

SDS Documents from Sakura of America - Important information

The Hazard Communication Standard (HCS) requires importers to provide Safety Data Sheets (SDSs) (formerly known as Material Safety Data Sheets or MSDSs) to communicate the hazards of hazardous chemical products. As of June 1, 2015, the HCS will require new SDSs to be in a uniform format, and include the section numbers, the headings, and associated information under the new headings.

SDSs that represent <u>non-hazardous chemicals are not covered by the HCS</u>. Paragraph 29 CFR 1910.1200(g)(8) of the standard requires that "the employer shall maintain in the workplace copies of the required SDSs for each hazardous chemical, and shall ensure that they are readily accessible during each work shift to employees when they are in their work area(s)." OSHA does not require nor encourage employers to maintain MSDSs for non-hazardous chemicals. Consequently, an employer is free to discard MSDSs for non-hazardous chemicals.

SDS are only required for materials that are <u>hazardous</u>. Often times, manufacturers are asked for MSDS's for products that do not meet this requirement - <u>manufacturers are under **no** obligation to produce SDS's for non-hazardous materials</u>. OSHA discourages the production of MSDS & SDS for non-hazardous materials.

An "article" means a manufactured item: (1) which is formed to a specific shape or design during manufacture (2) which has end use function(s) dependent in whole or in part upon its shape or design during end use; and (3) which does not release, or otherwise result in exposure to, a <u>hazardous chemical</u> under normal conditions of use. <u>Any product which meets the definition of an "article," would be exempt from the requirements of the Standard.</u>

The definition above has been amended to permit the release of "very small quantities, e.g., minute or trace amounts" of a <u>hazardous</u> chemical and still qualify as an article provided that a physical or health risk is not posed to the employees (59 F.R. 6146). In evaluating an article, one must consider the health risk which exposure to that article presents. (The term "risk" as opposed to "hazard" is used here, since the hazard is an inherent property of the chemical and exists no matter the quantity of exposure. To be exempted as an article, exposure must not pose a risk to employee health.)

Note that OSHA cannot make an across-the-board determination of a products' exclusion as an "article." The standard's definition by its very wording imposes the need to make case-by-case evaluations. Consequently, a blanket exemption for specific products cannot be given by OSHA.

The HCS exempts any <u>consumer product</u> or hazardous substance, as those terms are defined in the <u>Consumer Product Safety Act</u> (15 U.S.C. 2051 et seq.) and Federal Hazardous Substances Act (15 U.S.C. 1261 et seq.) respectively, where the employer can show that it is used in the workplace for the purpose intended by the chemical manufacturer or importer of the product, and the use results in a duration and frequency of exposure which is not greater than the range of exposures that could reasonably be experienced by consumers when used for the purpose intended.

According to the first OSHA interpretation listed below, "...clerical workers...**may not** be subject to the requirements of the HCS. Office workers who encounter hazardous chemicals only in isolated instances are not covered by the rule. The Occupational Safety and Health Administration (OSHA) considers most office products (such as pens, pencils, adhesive tape) to be exempt under the provisions of the rule, either as <u>articles</u> or as <u>consumer products</u>.

Page 2 of this memo lists the specific stock numbers which are covered under the attached SDS although not specifically noted on the SDS section 1.. Numbers listed on this 2nd page which are not noted on the SDS are due to packaging variations (i.e. blister cards, sets) but the individual contents of these packaging variations are within the SDS.

All products offered by Sakura of America are considered either a) articles b) office products and/or c) consumer products and are exempted from the requirements of the Standard(s) and do not require SDS (unless otherwise noted)

Nonetheless, some downstream clients may insist on an SDS even when one is not required. In such cases, OSHA has suggested providing a written statement such as "*This product is not considered to be or to contain hazardous chemicals based on evaluations made by our company under the OSHA Hazard Communication Standard, <u>29 CFR 1910.1200</u>." This gives the requesting party something that they can put in their files and saves the manufacture<u>r</u> from needless work.*

For more information refer to: https://www.osha.gov/html/faq-hazcom.html

Safety Data Sheet 2nd Page Cover Letter Product Listing

Stock #	Brief Description
50045	BC, MICRON 003 PEN 0.15MM - BLACK
50046	BC, MICRON 003 PEN 0.15MM - SEPIA
50045	BC, MICRON 003 PEN 0.15MM - BLACK
50046	BC, MICRON 003 PEN 0.15MM - SEPIA
50047	BC, MICRON 4 PC SET (003 / 005) - BLACK / SEPIA
Consists of:	
50048	BC, PIGMA ALL SEPIA 8 PC SET
Consists of:	
50033	BC, MICRON 6 PC SET (003) - BLACK
50032	BC, MICRON 6 PC SET (003) - SEPIA

SAFETY DATA SHEET

(Required under OSHA's Hazard Communication Standard 29 CFR 1910.1200)

(Required under OSHA's Haz (XSDK003)	zard Communicatior	n Standard 29 CFR 1910.1200) Page 1 of 2
Section 1. Identification		
Manufacturer's Name:		Telephone Number:
Sakura Color Products Corporation		+81 (0)6 - 6910 - 8824 (Japan)
Address:		FAX Number:
1-6-20, Morinomiya Chuo, Chuo-ku, Osaka,	540-8508 Japan	+81 (0)6 - 6910 - 8834 (Japan)
Product Name:		
PIGMA MICRON 003 PEN 0.15MM :	Black(XSDK003-49), Sepia(XSDK003-117)
Section 2. Hazard(S) identification		
This product is approved by ACMI (The Art &	Creative Material In	stitute, Inc.),
	and	carries the "AP" seal of non-toxic approval in USA
This product is not considered hazardous in n	ormal use as requir	ed under OSHA's
	Hazard	dous Communication Standard 29 CFR 1910.1200
Section 3. Composition / information on ingredie	ents	
Ethylene glycol (107-21-1), 2-Butoxyethanol	(111-76-2), Carbon	black(1333-86-4), Resin, Pigment, Additive
Section 4. First-Aid measures		
Inhalation : If he/she has subjective and	objective symptom	s, move him/her to a place fresh air,
		and consult a doctor.
•Skin Contact : Wash with soap and water.		
•Eye Contact : Wash the eyes immediately	with large amounts	of running water for over 15 minutes,
		and see a doctor for medical advice.
 Ingestion : If the victim stops breathing 	, wipe away any ren	naining material in the mouth and
	cl	ear the airway and administer artificial respiration.
Section 5. Fire-fighting measures		
Suitable extinguishing media :	In case of fire, use	water spray, foam or dry chemical powder.
 For safety reasons unsuitable extinguishing 	media : None	
Protective equipment	No special measure	es required
Section 6. Accidental release measure		
	No relevant informa	ation found.
5.1	No relevant informa	
•		it soaked into the ink reservoir by normal handling.
Section 7. Handling and storage		
·Handling : In the case of stuck to the s	kin, rinse with runnii	ng water and soap.
•Storage : Avoid high temperature, fire	, direct rays of the s	sun, and a powerful oxidizing agent.
Section 8. Exposure controls / personal protection	วท	
·General protective and hygienic measures:	Unnecessary in nor	mal use
Breathing equipment : Unneces	sary in normal use	
Protection of hands : Unnecess	sary in normal use	
•Eye protection : Unneces	sary in normal use	
·Skin protection : Unneces	sary in normal use	
.A.: Not Applicable N.D.: Not De	etermined	December 06, 2017

(XSDK003)

Section 9. Physical and chemical properties for Ink

 Boiling point / boiling range 	: about 100 °C
 Flash point 	: No data
Melting point	: No data
•Solubility:	
water solubility	: Soluble (except pigments)
fat solubility (solvent – c	il to be specified) : Insoluble
 Relative density 	: 1 < g/cm ³ (at 25°C)

Section 10. Stability and reactivity

 Conditions to avoided: High temperature, Direct sunlight, Fire
 Materials to avoided: Strong acid and base
 Hazardous decomposition products: No dangerous decomposition products known

Section 11. Toxicological information

This product is approved by ACMI (The Art & Creative Material Institute, Inc.),

and carries the "AP" seal of non-toxic approval in USA.

Section 12. Ecological information

No relevant information found.

Section 13. Ecological information

Incinerate under safe conditions or dispose of in accordance with local regulations.

Section 14. Transport information

·DOT : Not applicable

·IATA : Not applicable

·IMO : Not applicable

Section 15. Regulatory information

TSCA : The product listed on Safety Data Sheet is not listed on Toxic Substances Control Act Inventory. All ingredients used to manufacture this product are listed on TSCA Inventory.

Section 16. Other information, including date of preparation or last revision.

HMIS Code:

Health - 1 Flammability – 0 Reactivity - 0 Personal Protection - N.A.

Date of revision: December 6, 2017

This information herein is given good faith, but no warranty, expressed or implied is made. De

December 06, 2017

Sakura Color Products Corp. Quality Management Department	PIGMA MICRON 005 PEN 0.20MM
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XSDK005211109US-2

2021/11/9

Safety Data Sheet

Issue date: 2017/12/6 Revision date: 2021/11/9 Version: 2

SECTION 1: Identification of the substance	/mixtur	e and of the company/undertaking
Product Identifier		
Substance or Mixture name	:	PIGMA MICRON 005 PEN 0.20MM
		Item code: XSDK005-49, XSDK005-36, XSDK005-19, XSDK005-29
		XSDK005-12, XSDK005-24, XSDK005-05, XSDK005-21
		XSDK005-117, XSDK005-42, XSDK005-44
EC No.	:	
REACH No.	:	
CAS No.	:	
Relevant identified uses of the substance of	or mixtu	re and uses advised against
Sector of uses [SU]	:	Consumer uses: Private households (= general public = consumers)
Use of the substance/mixture	:	Ink and toners
Uses advised against	:	see section 16 for a general overview
Details of the Supplier of the Safety Data	Sheet	
Supplier	:	Sakura Color Products Corp. Quality Management Department
Address	:	7-18-47, Kano, Higashi-osaka, Osaka, Japan
P.O.Box	:	578-0901
Telephone	:	+81-(0)72-873-1295
Telefax	:	+81-(0)72-873-5505
E-Mail	:	
Emergency telephone number		
Emergency telephone number	:	+81-(0)72-873-1295
Remark	:	Only available during office hours.

SECTION 2: Hazards identification

Classification of the substance or mixture:

This product is approved by ACMI (The Art & Creative Material Institute, Inc.), and carries the "AP" seal of non-toxic approval in USA.

This product is not considered hazardous in normal use as required under OSHA's Hazardous Communication Standard 29 CFR 1910.1200.

SECTION 3: Composition / information on ingredients

: Mixtures

Substance	% (weight)	CAS No.	Trade Secret
Ethane-1,2-diol, vapour	7.2-16	107-21-1	
2-Butoxyethanol	0-1.0	111-76-2	
Carbon black	0-9.0	1333-86-4	
Water, Pigment, Resin, Additive			v

SECTION 4: First aid measures

Description of first aid measures

General information :

Seek medical advice immediately.

Following inhalation:

In case of inhalation of decomposition products, affected person should be moved into fresh air and kept still.

Following skin contact

Wash immediately with : Water and soap In the case of contact with hot melt, treat skin with : No data available Do not wash with : No data available

After eye contact:

In case of eye irritation consult an ophthalmologist. Rinse immediately carefully and thoroughly with eye-bath or water.

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After ingestion :

Rinse mouth thoroughly with water.

If swallowed immediately drink :

No data available

Self-protection of the first aider :

No data available

Most important symptoms and effects, both acute and delayed

Symptoms

Effects :

The following symptoms may occur :

No data available

No data available

Indication of any immediate medical attention and special treatment needed

Notes for the doctor :

No data available

Special treatment :

No data available

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media :

Water ABC-powder Carbon dioxide (CO2) Dry sand Water spray

Unsuitable extinguishing media:

Not applicable

Special hazards arising from the substance or mixture

Hazardous combustion products :

No data available

Advice for firefighters

Special protective equipment for firefighters: No data available

Additional information:

The product itself does not burn.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions :

No data available

Protective equipment :

No data available

Emergency procedures :

Provide adequate ventilation.

Enviromental precautions :

Do not allow to enter into surface water or drains.

Methods and materials for containment and cleaning up

For containment

Suitable material for taking up:

No data available

For cleaning up

Suitable material for diluting or neutralising : No data available

Reference to other sections :

Disposal: see section 13

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SECTION 7: Handling and storage Precautions for safe handling	
Protective measure	
Advice on safe handling	
Advice on sale handing Avoid :	Not applicable
Handle under (gas) :	
Handle under (liquid):	
	No data available
Measures to prevent fire Keep wet with :	Natampliashla
1	No data available
	No data available
· · ·	No data available
Measures to prevent aerosol and	
•	ind sampling should be used if possible:
During mining, incorning an	Not applicable
Use the following local ex	
ose the following local en	Not applicable
Environmental precaution :	100 approace
Environmental precaution :	Not applicable
Special requirements or handlin	
Special requirements of handling	Not applicable
Advice on general occupational hy	
Not applicable	
Conditions for safe storage, including a	any incompatibilities
Packaging materials	
Suitable container/equipment ma	aterial: No data available
Unsuitable container/equipment	
Hints on joint storage	
Hints on joint storage Storage class :	no classification

SECTION 8: Exposure controls/personal protection

Further information on storage conditions :

Control parameters

Occupational exposure limit values

Ingredient	CAS NO.	Country	TV	WA	ST	ΈL	Ce	iling
			ppm	mg/m3	ppm	mg/m3	ppm	mg/m3
Ethane-1,2-diol, vapour	107-21-1	US	25		50			
2-Butoxyethanol	111-76-2	US	5	24				
Carbon black	1333-86-4	US		0.1				

No data available

Biological limit values

Ingredient	CAS NO.	EC No	Country	Unit	Limit value	Parameter
2-Butoxyethanol	111-76-2	203-905-0	US	mg/g creatinine	200	Butoxyacetic acid (BAA)

Exposure controls

Appropriate engineering controls

Initial Remarks : See section 7. No additional measures necessary.

Substance/mixture related mesures to privent exposure during identified users :

No data available

Technical mesures to provent exposure :

No data available

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Eye/face protection	
Suitable eye protection :	No data available
Remark:	No data available
Skin protection	
Hand protection	
Suitable gloves type :	No data available
Suitable material :	No data available
Required properties :	No data available
Remark:	No data available
Body protection	
Suitable protective clothing :	No data available
Required properties :	No data available
Recommended material :	No data available
Respiratory protection	
Respiratory protection necessary a	at :
No data avail	able
According to experience this refer	s to the following tasks :
No data availa	able
Suitable respiratory protection appa	aratus :
No data availa	able
Remarks :	
No data availa	able
nvironmental exposure controls	
Technical measures to prevent ex	-
Use the following filter types for	0 0
No data avail	
No data availa	r abatement technique for cleaning waste gases able
Use the following chemical treatm	
No data availa	

SECTION 9: Physical and chemical properties

Physical state	liquid
Color	black/ blue/ red/ green/ brown/ purple/ orange
	rose/ sepia/ light cool gray/ cool gray
Odour	odourless
pH	No data available
Melting point/freezing point	No data available
Initial boiling point and boiling range	about 100°C
Flash point	No data available
Evaporation rate	No data available
Flammability	No data available
Upper/lower flammability or explosive limits	No data available
Vapour pressure	No data available
Vapour density	No data available
Density	No data available
Solubility(ies)	Soluble
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidising properties	No data available

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Reactivity :	No data available
Chemical stability :	The product is chemically stable under recommended conditions of storage, use and temperature.
Possibility of hazardius	reactions
In case of melting	:
	No data available
In case of vaporiza	ition :
	No data available
In case of freezing	:
	No data available
Condition to avoid	
In dry state :	
	No data available
In an isolated state	2:
	No data available
In fine dispersion/	spraving/misting :
•	No data available
In case of warming	D •
	No data available
In case of light inf	nence :
	No data available
In case of impact (or pressure influence :
in case of impact of	No data available
In case of air intal	
in case of an intar	No data available
In ages of syssedin	is the storage time :
In case of exceeding	No data available
In acce of evenedin	is the storage temperature :
In case of exceeding	No data available
Tu aanun atib la matania la	
Incompatible materials	
Materials to avoid	No data available
TT	
Hazardous decompositi	on products: No data available
Additional information	
	No data available

SECTION 10: Stability and reactivity

SECTION 11: Toxicological information

This product is approved by ACMI (The Art & Creative Material Institute, Inc.), and carries the "AP" seal of non-toxic approval in USA.

SECTION 12: Ecological information

Hazardous to the aquatic environment-Acute hazard: No data available Hazardous to the aquatic environment-Chronic hazard: No data available Hazardous to the ozone layer : No data available Additional ecotoxicological information:

No data available

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SECTION 13: Disposal considerations

Waste treatment methods

Product/packaging disposal

Properties of waste which render it hazardous :

No data available

Waste treatment option :

Appropriate disposal/Product

Dispose of waste according to applicable legislation.

Appropriate disposal/Package

No data available

Remarks :

Consult the appropriate local waste disposal expert about waste disposal.

SECTION 14: Transport information

UN number	
Land transport(ADR/RID)	Not applicable
Inland waterway transport(ADN)	Not applicable
Sea transportation(IMDG)	Not applicable
Air transportationICAO-TI/IATA-DGR	Not applicable
UN proper shipping name	
Land transport(ADR/RID)	Not applicable
Inland waterway transport(ADN)	Not applicable
Sea transportation(IMDG)	Not applicable
Air transportationICAO-TI/IATA-DGR	Not applicable
Transport hazard class(es)	
Land transport(ADR/RID)	Not applicable
Inland waterway transport(ADN)	Not applicable
Sea transportation(IMDG)	Not applicable
Air transportationICAO-TI/IATA-DGR	Not applicable
Packing group	
Land transport(ADR/RID)	Not applicable
Inland waterway transport(ADN)	Not applicable
Sea transportation(IMDG)	Not applicable
Air transportationICAO-TI/IATA-DGR	Not applicable
Environmental hazards	
Land transport(ADR/RID)	No data available
Inland waterway transport(ADN)	No data available
Sea transportation(IMDG)	No data available
Air transportationICAO-TI/IATA-DGR Transport in bulk according to	No data available
Transport in bulk according to MARPOL 73/78 and the IRC Code •	Not applicable
Marine pollutant :	Not applicable

SECTION 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory : Not SNUR,ACTIVE;

National Toxicology Program (NTP) Report on Carcinogens-Substances listed : Not available

Agents classified by International Agency for Research on Cancer(IARC) monographs : CASNO:1333-86-4,Carbon black,2B ;

Occupational Safety and Health Act (OSHA) Standard related to carcinogens : Not available

Proposition65 Safe Drinking Water and Toxic Enforcement Act of 1986 :

CASNO:1333-86-4, Carbon black (airborne, unbound particles of respirable size), cancer ; CASNO:107-21-1, Ethylene glycol (ingested), developmental ;

Chemical Safety Assessment

No data available

SECTION 16: Other information

Date of preparation:

2021/11/9

Version number:

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Data sources:

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

Sakura Color Products Corp. Quality Management Department PIGMA MICRON 01 PEN 0.25MM

XSDK01211109US-2

2021/11/9

Safety Data Sheet

Issue date: 2017/12/6 Revision date: 2021/11/9 Version: 2

Product Identifier		
Substance or Mixture name	:	PIGMA MICRON 01 PEN 0.25MM
		Item code: XSDK01-49, XSDK01-36, XSDK01-19, XSDK01-29
		XSDK01-12, XSDK01-24, XSDK01-05, XSDK01-2
		XSDK01-117, XSDK01-42, XSDK01-44
EC No.	:	
REACH No.	:	
CAS No.	:	
Relevant identified uses of the substance	or mix	ture and uses advised against
Sector of uses [SU]	:	Consumer uses: Private households (= general public = consumer
Use of the substance/mixture	:	Ink and toners
Uses advised against	:	see section 16 for a general overview
Details of the Supplier of the Safety Data	Sheet	
Supplier	:	Sakura Color Products Corp. Quality Management Department
Address	:	7-18-47, Kano, Higashi-osaka, Osaka, Japan
P.O.Box	:	578-0901
Telephone	:	+81-(0)72-873-1295
Telefax	:	+81-(0)72-873-5505
E-Mail	:	
Emergency telephone number		
Emergency telephone number	:	+81-(0)72-873-1295
Remark	:	Only available during office hours.

SECTION 2: Hazards identification

Classification of the substance or mixture:

This product is approved by ACMI (The Art & Creative Material Institute, Inc.), and carries the "AP" seal of non-toxic approval in USA.

This product is not considered hazardous in normal use as required under OSHA's Hazardous Communication Standard 29 CFR 1910.1200.

SECTION 3: Composition / information on ingredients

: Mixtures

Substance	% (weight)	CAS No.	Trade Secret
Ethane-1,2-diol, vapour	7.2-16	107-21-1	
2-Butoxyethanol	0-1.0	111-76-2	
Carbon black	0-9.0	1333-86-4	
Water, Pigment, Resin, Additive			v

SECTION 4: First aid measures

Description of first aid measures

General information :

Seek medical advice immediately.

Following inhalation:

In case of inhalation of decomposition products, affected person should be moved into fresh air and kept still.

Following skin contact

Wash immediately with : Water and soap In the case of contact with hot melt, treat skin with : No data available Do not wash with : No data available

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In case of eye irritation consult an ophthalmologist. Rinse immediately carefully and thoroughly with eye-bath or water.

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After ingestion :

After eye contact:

Rinse mouth thoroughly with water.

If swallowed immediately drink :

No data available

Self-protection of the first aider :

No data available

Most important symptoms and effects, both acute and delayed

Symptoms

Effects :

The following symptoms may occur :

No data available

No data available

Indication of any immediate medical attention and special treatment needed

Notes for the doctor :

No data available

Special treatment :

No data available

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media :

Water ABC-powder Carbon dioxide (CO2) Dry sand Water spray

Unsuitable extinguishing media:

Not applicable

Special hazards arising from the substance or mixture

Hazardous combustion products :

No data available

Advice for firefighters

Special protective equipment for firefighters: No data available

Additional information:

The product itself does not burn.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions :

No data available

Protective equipment :

No data available

Emergency procedures :

Provide adequate ventilation.

Enviromental precautions :

Do not allow to enter into surface water or drains.

Methods and materials for containment and cleaning up

For containment

Suitable material for taking up:

No data available

For cleaning up

Suitable material for diluting or neutralising : No data available

Reference to other sections :

Disposal: see section 13

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SECTION 7: Handling and storage	
Precautions for safe handling	
Protective measure	
Advice on safe handling	
Avoid	: Not applicable
Handle under (gas)	: Not applicable
Handle under (liquid)): Not applicable
Remark	k: No data available
Measures to prevent fire	
Keep wet with	: Not applicable
Do not mix with	: No data available
Keep away from	: No data available
Remark	k: No data available
Measures to prevent aerosol ar	nd dust generation
During filling, metering	and sampling should be used if possible:
	Not applicable
Use the following local	exhaust ventilation type :
	Not applicable
Environmental precaution :	
	Not applicable
Special requirements or handli	ling rules :
	Not applicable
Advice on general occupational h	hygiene :
Not applica	ıble
Conditions for safe storage, including	any incompatibilities
Packaging materials	
Suitable container/equipment n	material: No data available
Unsuitable container/equipmen	nt material: Not applicable
Hints on joint storage	
Hints on joint storage Storage class :	no classification

SECTION 8: Exposure controls/personal protection

Further information on storage conditions :

Control parameters

Occupational exposure limit values

Ingredient	CAS NO.	Country	T	WA	ST	ΈL	Ce	iling
			ppm	mg/m3	ppm	mg/m3	ppm	mg/m3
Ethane-1,2-diol, vapour	107-21-1	US	25		50			
2-Butoxyethanol	111-76-2	US	5	24				
Carbon black	1333-86-4	US		0.1				

No data available

Biological limit values

Ingredient	CAS NO.	EC No	Country	Unit	Limit value	Parameter
2-Butoxyethanol	111-76-2	203-905-0	US	mg/g creatinine	200	Butoxyacetic acid (BAA)

Exposure controls

Appropriate engineering controls

Initial Remarks : See section 7. No additional measures necessary.

Substance/mixture related mesures to privent exposure during identified users :

No data available

Technical mesures to provent exposure :

No data available

Eye/face protection	
Suitable eye protection :	No data available
Remark:	No data available
Skin protection	
Hand protection	
Suitable gloves type :	No data available
Suitable material :	No data available
Required properties :	No data available
Remark:	No data available
Body protection	
Suitable protective clothing :	No data available
Required properties :	No data available
Recommended material :	No data available
Respiratory protection	
Respiratory protection necessary a	
No data avail	able
According to experience this refer	s to the following tasks :
No data avail	able
Suitable respiratory protection appa	
No data availa	able
Remarks :	
No data availa	able
Environmental exposure controls	
Technical measures to prevent ex	-
Use the following filter types for No data availa	6 6
	r abatement technique for cleaning waste gases :
No data availa	
Use the follwoing chemical treatm No data avail	

SECTION 9: Physical and chemical properties

Physical state	liquid
Color	black/ blue/ red/ green/ brown/ purple/ orange
	rose/ sepia/ light cool gray/ cool gray
Odour	odourless
pH	No data available
Melting point/freezing point	No data available
Initial boiling point and boiling range	about 100°C
Flash point	No data available
Evaporation rate	No data available
Flammability	No data available
Upper/lower flammability or explosive limits	No data available
Vapour pressure	No data available
Vapour density	No data available
Density	No data available
Solubility(ies)	Soluble
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidising properties	No data available

XSDK01211109US-2

Reactivity :	No data available
Chemical stability :	The product is chemically stable under recommended conditions of storage, use and temperature.
Possibility of hazardius	reactions
In case of melting	:
	No data available
In case of vaporiz	ation :
	No data available
In case of freezing	:
-	No data available
Condition to avoid	
In dry state :	
	No data available
In an isolated state	e :
	No data available
In fine dispersion/	/spraying/misting :
-	No data available
In case of warmin	g :
	No data available
In case of light inf	luence :
5	No data available
In case of impact (or pressure influence :
orpuer (No data available
In case of air intal	ke :
	No data available
In case of exceeding	ng the storage time :
	No data available
In case of exceeding	ng the storage temperature :
	No data available
Incompatible materials	
Materials to avoid	
	No data available
Hazardous decompositi	ion products:
real available accomposite	No data available
Additional information	
	No data available
	ino uata availabit

SECTION 10: Stability and reactivity

SECTION 11: Toxicological information

This product is approved by ACMI (The Art & Creative Material Institute, Inc.), and carries the "AP" seal of non-toxic approval in USA.

SECTION 12: Ecological information

Hazardous to the aquatic environment-Acute hazard: No data available Hazardous to the aquatic environment-Chronic hazard: No data available Hazardous to the ozone layer : No data available Additional ecotoxicological information:

No data available

XSDK01211109US-2

SECTION 13: Disposal considerations

Waste treatment methods

Product/packaging disposal

Properties of waste which render it hazardous :

No data available

Waste treatment option :

Appropriate disposal/Product

Dispose of waste according to applicable legislation.

Appropriate disposal/Package

No data available

Remarks :

Consult the appropriate local waste disposal expert about waste disposal.

SECTION 14: Transport information

UN number	
Land transport(ADR/RID)	Not applicable
Inland waterway transport(ADN)	Not applicable
Sea transportation(IMDG)	Not applicable
Air transportationICAO-TI/IATA-DGR	Not applicable
UN proper shipping name	
Land transport(ADR/RID)	Not applicable
Inland waterway transport(ADN)	Not applicable
Sea transportation(IMDG)	Not applicable
Air transportationICAO-TI/IATA-DGR	Not applicable
Transport hazard class(es)	
Land transport(ADR/RID)	Not applicable
Inland waterway transport(ADN)	Not applicable
Sea transportation(IMDG)	Not applicable
Air transportationICAO-TI/IATA-DGR	Not applicable
Packing group	
Land transport(ADR/RID)	Not applicable
Inland waterway transport(ADN)	Not applicable
Sea transportation(IMDG)	Not applicable
Air transportationICAO-TI/IATA-DGR	Not applicable
Environmental hazards	
Land transport(ADR/RID)	No data available
Inland waterway transport(ADN)	No data available
Sea transportation(IMDG)	No data available
Air transportationICAO-TI/IATA-DGR Transport in bulk according to MARPOL 73/78 and the IRC Code • Marine pollutant :	No data available Not applicable Not applicable

SECTION 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory : Not SNUR,ACTIVE;

National Toxicology Program (NTP) Report on Carcinogens-Substances listed : Not available

Agents classified by International Agency for Research on Cancer(IARC) monographs : CASNO:1333-86-4, Carbon black, 2B ;

Occupational Safety and Health Act (OSHA) Standard related to carcinogens : Not available

Proposition65 Safe Drinking Water and Toxic Enforcement Act of 1986 :

CASNO:1333-86-4, Carbon black (airborne, unbound particles of respirable size), cancer ; CASNO:107-21-1, Ethylene glycol (ingested), developmental ;

Chemical Safety Assessment

No data available

SECTION 16: Other information

Date of preparation:

2021/11/9

Version number:

XSDK01211109US-2

Data sources:

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.



SDS Documents from Sakura of America - Important information

The Hazard Communication Standard (HCS) requires importers to provide Safety Data Sheets (SDSs) (formerly known as Material Safety Data Sheets or MSDSs) to communicate the hazards of hazardous chemical products. As of June 1, 2015, the HCS will require new SDSs to be in a uniform format, and include the section numbers, the headings, and associated information under the new headings.

SDSs that represent <u>non-hazardous chemicals are not covered by the HCS</u>. Paragraph 29 CFR 1910.1200(g)(8) of the standard requires that "the employer shall maintain in the workplace copies of the required SDSs for each hazardous chemical, and shall ensure that they are readily accessible during each work shift to employees when they are in their work area(s)." OSHA does not require nor encourage employers to maintain MSDSs for non-hazardous chemicals. Consequently, an employer is free to discard MSDSs for non-hazardous chemicals.

SDS are only required for materials that are <u>hazardous</u>. Often times, manufacturers are asked for MSDS's for products that do not meet this requirement - <u>manufacturers are under **no** obligation to produce SDS's for non-hazardous materials</u>. OSHA discourages the production of MSDS & SDS for non-hazardous materials.

An "article" means a manufactured item: (1) which is formed to a specific shape or design during manufacture (2) which has end use function(s) dependent in whole or in part upon its shape or design during end use; and (3) which does not release, or otherwise result in exposure to, a <u>hazardous chemical</u> under normal conditions of use. <u>Any product which meets the definition of an "article," would be exempt from the requirements of the Standard.</u>

The definition above has been amended to permit the release of "very small quantities, e.g., minute or trace amounts" of a <u>hazardous</u> chemical and still qualify as an article provided that a physical or health risk is not posed to the employees (59 F.R. 6146). In evaluating an article, one must consider the health risk which exposure to that article presents. (The term "risk" as opposed to "hazard" is used here, since the hazard is an inherent property of the chemical and exists no matter the quantity of exposure. To be exempted as an article, exposure must not pose a risk to employee health.)

Note that OSHA cannot make an across-the-board determination of a products' exclusion as an "article." The standard's definition by its very wording imposes the need to make case-by-case evaluations. Consequently, a blanket exemption for specific products cannot be given by OSHA.

The HCS exempts any <u>consumer product</u> or hazardous substance, as those terms are defined in the <u>Consumer Product Safety Act</u> (15 U.S.C. 2051 et seq.) and Federal Hazardous Substances Act (15 U.S.C. 1261 et seq.) respectively, where the employer can show that it is used in the workplace for the purpose intended by the chemical manufacturer or importer of the product, and the use results in a duration and frequency of exposure which is not greater than the range of exposures that could reasonably be experienced by consumers when used for the purpose intended.

According to the first OSHA interpretation listed below, "...clerical workers...**may not** be subject to the requirements of the HCS. Office workers who encounter hazardous chemicals only in isolated instances are not covered by the rule. The Occupational Safety and Health Administration (OSHA) considers most office products (such as pens, pencils, adhesive tape) to be exempt under the provisions of the rule, either as <u>articles</u> or as <u>consumer products</u>.

Page 2 of this memo lists the specific stock numbers which are covered under the attached SDS although not specifically noted on the SDS section 1.. Numbers listed on this 2nd page which are not noted on the SDS are due to packaging variations (i.e. blister cards, sets) but the individual contents of these packaging variations are within the SDS.

All products offered by Sakura of America are considered either a) articles b) office products and/or c) consumer products and are exempted from the requirements of the Standard(s) and do not require SDS (unless otherwise noted)

Nonetheless, some downstream clients may insist on an SDS even when one is not required. In such cases, OSHA has suggested providing a written statement such as "*This product is not considered to be or to contain hazardous chemicals based on evaluations made by our company under the OSHA Hazard Communication Standard, <u>29 CFR 1910.1200</u>." This gives the requesting party something that they can put in their files and saves the manufacture<u>r</u> from needless work.*

For more information refer to: https://www.osha.gov/html/faq-hazcom.html

Safety Data Sheet 2nd Page Cover Letter Product Listing

Stock #	Brief Description
XSDK02-49	MICRON 02 PEN 0.30MM - BLACK
XSDK02-36	MICRON 02 PEN 0.30MM - BLUE
XSDK02-19	MICRON 02 PEN 0.30MM - RED
XSDK02-29	MICRON 02 PEN 0.30MM - GREEN
30281	BC, MICRON 02 PEN 0.30MM - BLACK
50064	BC, MICRON 3 PK - BLACK
	1 each: 005, 02, 08
30062	BC, MICRON 6 PC SET - BLACK
Consists of:	
30067	BC, PIGMA ALL BLACK 8 PC SET
Consists of:	1 each 005, 01, 02, 03, 05, 08, 1MM, BRUSH
50076	SET, PIGMA ALL BLACK CUBE COLLECTION 16 PC
Consists of:	
	Micron: 3 each 05; 2 each 01, 08; 1 each 005, 02, 03
50036	BC, MICRON 6 PC SET (02) - BLACK

SAFETY DATA SHEET

(Required under OSHA's Hazard Communication Standard 29 CFR 1910.1200)

one Number: +81 (0)6 - 6910 - 8824 (Japan) umber: +81 (0)6 - 6910 - 8834 (Japan) 6), Red(XSDK02-19), Green(XSDK02-29) Inc.), the "AP" seal of non-toxic approval in US/ er OSHA's ommunication Standard 29 CFR 1910.1200 333-86-4), Resin, Pigment, Additive a him/her to a place fresh air, and consult a doctor. ing water for over 15 minutes, and see a doctor for medical advice. material in the mouth and airway and administer artificial respiration
+81 (0)6 - 6910 - 8824 (Japan) umber: +81 (0)6 - 6910 - 8834 (Japan) 6), Red(XSDK02-19), Green(XSDK02-29) Inc.), the "AP" seal of non-toxic approval in US/ er OSHA's communication Standard 29 CFR 1910.1200 333-86-4), Resin, Pigment, Additive e him/her to a place fresh air, and consult a doctor. ing water for over 15 minutes, and see a doctor for medical advice. material in the mouth and
+81 (0)6 - 6910 - 8834 (Japan) 6), Red(XSDK02-19), Green(XSDK02-29) Inc.), the "AP" seal of non-toxic approval in US/ er OSHA's communication Standard 29 CFR 1910.120 333-86-4), Resin, Pigment, Additive a him/her to a place fresh air, and consult a doctor. ing water for over 15 minutes, and see a doctor for medical advice. material in the mouth and
6), Red(XSDK02-19), Green(XSDK02-29) Inc.), the "AP" seal of non-toxic approval in US/ er OSHA's communication Standard 29 CFR 1910.1200 333-86-4), Resin, Pigment, Additive e him/her to a place fresh air, and consult a doctor. ing water for over 15 minutes, and see a doctor for medical advice. material in the mouth and
Inc.), the "AP" seal of non-toxic approval in US/ er OSHA's ommunication Standard 29 CFR 1910.120 333-86-4), Resin, Pigment, Additive e him/her to a place fresh air, and consult a doctor. ing water for over 15 minutes, and see a doctor for medical advice. material in the mouth and
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the "AP" seal of non-toxic approval in US/ er OSHA's ommunication Standard 29 CFR 1910.1200 333-86-4), Resin, Pigment, Additive e him/her to a place fresh air, and consult a doctor. ing water for over 15 minutes, and see a doctor for medical advice. material in the mouth and
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and see a doctor for medical advice. material in the mouth and
and see a doctor for medical advice. material in the mouth and
pray, foam or dry chemical powder.
red
ind.
ind.
ed into the ink reservoir by normal handling
r and soap.
a powerful oxidizing agent.
9
d

Section 9. Physical and chemical properties for Ink

 Boiling point / boiling range 	: about 100 °C
 Flash point 	: No data
 Melting point 	: No data
•Solubility:	
water solubility	: Soluble (except pigments)
fat solubility (solvent – o	bil to be specified) : Insoluble
 Relative density 	: 1 < g/cm ³ (at 25°C)

Section 10. Stability and reactivity

 Conditions to avoided: High temperature, Direct sunlight, Fire
 Materials to avoided: Strong acid and base
 Hazardous decomposition products: No dangerous decomposition products known

Section 11. Toxicological information

This product is approved by ACMI (The Art & Creative Material Institute, Inc.),

and carries the "AP" seal of non-toxic approval in USA.

Section 12. Ecological information

No relevant information found.

Section 13. Ecological information

Incinerate under safe conditions or dispose of in accordance with local regulations.

Section 14. Transport information

·DOT : Not applicable

·IATA : Not applicable

·IMO : Not applicable

Section 15. Regulatory information

TSCA : The product listed on Safety Data Sheet is not listed on Toxic Substances Control Act Inventory. All ingredients used to manufacture this product are listed on TSCA Inventory.

Section 16. Other information, including date of preparation or last revision.

HMIS Code:

Health - 1 Flammability – 0 Reactivity - 0 Personal Protection - N.A.

Date of revision: December 6, 2017

This information herein is given good faith, but no warranty, expressed or implied is made. De



SDS Documents from Sakura of America - Important information

The Hazard Communication Standard (HCS) requires importers to provide Safety Data Sheets (SDSs) (formerly known as Material Safety Data Sheets or MSDSs) to communicate the hazards of hazardous chemical products. As of June 1, 2015, the HCS will require new SDSs to be in a uniform format, and include the section numbers, the headings, and associated information under the new headings.

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An "article" means a manufactured item: (1) which is formed to a specific shape or design during manufacture (2) which has end use function(s) dependent in whole or in part upon its shape or design during end use; and (3) which does not release, or otherwise result in exposure to, a <u>hazardous chemical</u> under normal conditions of use. <u>Any product which meets the definition of an "article," would be exempt from the requirements of the Standard.</u>

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All products offered by Sakura of America are considered either a) articles b) office products and/or c) consumer products and are exempted from the requirements of the Standard(s) and do not require SDS (unless otherwise noted)

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For more information refer to: https://www.osha.gov/html/faq-hazcom.html

Safety Data Sheet 2nd Page Cover Letter Product Listing

Stock #	Brief Description
XSDK03-117	MICRON 03 PEN 0.35MM - SEPIA
XSDK03-49	MICRON 03 PEN 0.35MM - BLACK
XSDK03-36	MICRON 03 PEN 0.35MM - BLUE
XSDK03-19	MICRON 03 PEN 0.35MM - RED
XSDK03-29	MICRON 03 PEN 0.35MM - GREEN
30381	BC, MICRON 03 PEN 0.35MM - BLACK
30061	BC, MICRON 3 PK - BLACK
Consists of:	1 each 01, 03, 05
30062	BC, MICRON 6 PC SET - BLACK
Consists of:	1 each 005, 01, 02, 03, 05, 08
50049	BC, MICRON 6 PC SET (03) - ASST
Consists of:	2 each: Black; 1 each: Blue, Red, Green, Sepia
30067	BC, PIGMA ALL BLACK 8 PC SET
Consists of:	1 each 005, 01, 02, 03, 05, 08, 1MM, BRUSH
50048	BC, PIGMA ALL SEPIA 8 PC SET
Consists of:	1 each: 003, 005, 01, 03, 05, 1MM, BRUSH, PN
50076	SET, PIGMA ALL BLACK CUBE COLLECTION 16 PC
Consists of:	Brush: 2 each; Graphic: 2 each 1MM; 1 each 2MM, 3MM
	Micron: 3 each 05; 2 each 01, 08; 1 each 005, 02, 03
50021	BC, MICRON 3 PC SET (03) - BLACK
50037	BC, MICRON 6 PC SET (03) - BLACK
-	
L	

SAFETY DATA SHEET

(Required under OSHA's Hazard Communication Standard 29 CFR 1910.1200)

Telephone Number:
+81 (0)6 - 6910 - 8824 (Japan)
FAX Number:
+81 (0)6 - 6910 - 8834 (Japan)
SDK03-36), Red(XSDK03-19), Green(XSDK03-29)
nstitute, Inc.),
d carries the "AP" seal of non-toxic approval in USA
ired under OSHA's
ardous Communication Standard 29 CFR 1910.1200
n black(1333-86-4), Resin, Pigment, Additive
ms, move him/her to a place fresh air,
and consult a doctor.
s of running water for over 15 minutes,
and see a doctor for medical advice.
emaining material in the mouth and
clear the airway and administer artificial respiration.
e water spray, foam or dry chemical powder.
res required
nation found.
nation found.
t it soaked into the ink reservoir by normal handling
ning water and soap.
sun, and a powerful oxidizing agent.
ormal use
1

Section 9. Physical and chemical properties for Ink

 Boiling point / boiling range 	: about 100 °C
 Flash point 	: No data
 Melting point 	: No data
·Solubility:	
water solubility	: Soluble (except pigments)
fat solubility (solvent – o	oil to be specified) : Insoluble
 Relative density 	: 1 < g/cm ³ (at 25°C)

Section 10. Stability and reactivity

 Conditions to avoided: High temperature, Direct sunlight, Fire
 Materials to avoided: Strong acid and base
 Hazardous decomposition products: No dangerous decomposition products known

Section 11. Toxicological information

This product is approved by ACMI (The Art & Creative Material Institute, Inc.),

and carries the "AP" seal of non-toxic approval in USA.

Section 12. Ecological information

No relevant information found.

Section 13. Ecological information

Incinerate under safe conditions or dispose of in accordance with local regulations.

Section 14. Transport information

·DOT : Not applicable

·IATA : Not applicable

·IMO : Not applicable

Section 15. Regulatory information

TSCA : The product listed on Safety Data Sheet is not listed on Toxic Substances Control Act Inventory. All ingredients used to manufacture this product are listed on TSCA Inventory.

Section 16. Other information, including date of preparation or last revision.

HMIS Code:

Health - 1 Flammability – 0 Reactivity - 0 Personal Protection - N.A.

Date of revision: December 6, 2017

This information herein is given good faith, but no warranty, expressed or implied is made. De

Color Products Corp. Quality Management Department	PIGMA MI	CRON 05 PEN 0.45MM	XSDK05211109US-2	2021/11/
				te: 2017/12/6
		Safety Data Sheet	Revision da	
			Versio	on: 2
TION 1: Identification of the substand	ce/mixtur	e and of the company/under	taking	
Product Identifier			5	
Substance or Mixture name	:	PIGMA MICRON 05 PEN 0.4	5MM	
		Item code: XSDK05-49, XSDI	K05-36, XSDK05-19, XSDK05-2	29, XSDK05-12
			K05-05, XSDK05-03, XSDK05-	
			DK05-22, XSDK05-230, XSDK0	
		XSDK05-42, XSD	K05-44	
EC No.	:			
REACH No.	:			
CAS No.	:			
Relevant identified uses of the substance	e or mixtur	e and uses advised against		
Sector of uses [SU]	:	Consumer uses: Private house	holds (= general public = consume	ers)
Use of the substance/mixture	:	Ink and toners		
Uses advised against	:	see section 16 for a general ov	erview	
Details of the Supplier of the Safety Dat	ta Sheet			
Supplier	:	Sakura Color Products Corp. Q	uality Management Department	
Address	:	7-18-47, Kano, Higashi-osaka,	Osaka, Japan	
P.O.Box	:	578-0901		
Telephone	:	+81-(0)72-873-1295		
Telefax	:	+81-(0)72-873-5505		
E-Mail	:			
Emergency telephone number				
Emergency telephone number	:	+81-(0)72-873-1295		
Remark	:	Only available during office he	ours.	

SECTION 2: Hazards identification

Classification of the substance or mixture:

This product is approved by ACMI (The Art & Creative Material Institute, Inc.), and carries the "AP" seal of non-toxic approval in USA.

This product is not considered hazardous in normal use as required under OSHA's Hazardous Communication Standard 29 CFR 1910.1200.

SECTION 3: Composition / information on ingredients

: Mixtures

Substance	% (weight)	CAS No.	Trade Secret
Ethane-1,2-diol, vapour	7.2-17	107-21-1	
2-Butoxyethanol	0-1.0	111-76-2	
Carbon black	0-9.0	1333-86-4	
Water, Pigment, Resin, Additive			V

SECTION 4: First aid measures

Description of first aid measures

General information :

Seek medical advice immediately.

Following inhalation:

In case of inhalation of decomposition products, affected person should be moved into fresh air and kept still.

Following skin contact

Wash immediately with : Water and soap In the case of contact with hot melt, treat skin with : No data available Do not wash with : No data available

2021/11/9

After eye contact:

In case of eye irritation consult an ophthalmologist. Rinse immediately carefully and thoroughly with eye-bath or water.

XSDK05211109US-2

After ingestion :

Rinse mouth thoroughly with water.

If swallowed immediately drink :

No data available

Self-protection of the first aider :

No data available

Most important symptoms and effects, both acute and delayed

Symptoms

Effects :

The following symptoms may occur :

No data available

No data available

Indication of any immediate medical attention and special treatment needed

Notes for the doctor :

No data available

Special treatment :

No data available

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media :

Water ABC-powder Carbon dioxide (CO2) Dry sand Water spray

Unsuitable extinguishing media:

Not applicable

Special hazards arising from the substance or mixture

Hazardous combustion products :

No data available

Advice for firefighters

Special protective equipment for firefighters: No data available

Additional information:

The product itself does not burn.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions :

No data available

Protective equipment :

No data available

Emergency procedures :

Provide adequate ventilation.

Enviromental precautions :

Do not allow to enter into surface water or drains.

Methods and materials for containment and cleaning up

For containment

Suitable material for taking up:

No data available

For cleaning up

Suitable material for diluting or neutralising : No data available

Reference to other sections :

Disposal: see section 13

XSDK05211109US-2

SECTION 7: Handling and storage			
Precautions for safe handling Protective measure			
Advice on safe handling	Not applical	ala	
	Not applical		
Handle under (gas) :	Not applical		
Handle under (liquid):	Not applical		
	No data ava	ilable	
Measures to prevent fire			
Keep wet with :			
Do not mix with :			
Keep away from :			
	No data ava		
Measures to prevent aerosol and	-		
During filling, metering ar		-	
	Not applical		
Use the following local en			
	Not applical	ble	
Environmental precaution :			
	Not applical	ble	
Special requirements or handling	-		
	Not applical	ble	
Advice on general occupational hy	giene :		
Not applicable	e		
Conditions for safe storage, including a	ny incompat	ibilities	
Packaging materials			
Suitable container/equipment ma	terial:	No data available	
Unsuitable container/equipment		Not applicable	
Hints on joint storage			
Storage class :	no classifica	tion	
Materials to avoid :			
	11		

SECTION 8: Exposure controls/personal protection

Further information on storage conditions :

Control parameters

Occupational exposure limit values

Ingredient	CAS NO.	Country	T	WA	ST	ΈL	Ce	iling
			ppm	mg/m3	ppm	mg/m3	ppm	mg/m3
Ethane-1,2-diol, vapour	107-21-1	US	25		50			
2-Butoxyethanol	111-76-2	US	5	24				
Carbon black	1333-86-4	US		0.1				

No data available

Biological limit values

Ingredient	CAS NO.	EC No	Country	Unit	Limit value	Parameter
2-Butoxyethanol	111-76-2	203-905-0	US	mg/g creatinine	200	Butoxyacetic acid (BAA)

Exposure controls

Appropriate engineering controls

Initial Remarks : See section 7. No additional measures necessary.

Substance/mixture related mesures to privent exposure during identified users :

No data available

Technical mesures to provent exposure :

No data available

Personal protection equipment	
Eye/face protection	
Suitable eye protection :	No data available
Remark:	No data available
Skin protection	
Hand protection	
Suitable gloves type :	No data available
Suitable material :	No data available
Required properties :	No data available
Remark:	No data available
Body protection	
Suitable protective clothing :	No data available
Required properties :	No data available
Recommended material :	No data available
Respiratory protection	
Respiratory protection necessary a	t :
No data availa	able
According to experience this refer	s to the following tasks :
No data availa	able
Suitable respiratory protection appa	aratus :
No data availa	able
Remarks :	
No data availa	able
Environmental exposure controls	
Technical measures to prevent ex	posure
Use the following filter types for	6 6
No data availa	
Use the following recovery and/or No data availa	r abatement technique for cleaning waste gases : able
Use the follwoing chemical treatn	
No data availa	

SECTION 9: Physical and chemical properties

Physical state	liquid
Color	black/ blue/ red/ green/ brown/ purple/ orange/ yellow/ rose sepia/ royal blue/ burgundy/ hunter green/ blue black
	fresh green/ light cool gray/ cool gray
Odour	odourless
рН	No data available
Melting point/freezing point	No data available
Initial boiling point and boiling range	about 100°C
Flash point	No data available
Evaporation rate	No data available
Flammability	No data available
Upper/lower flammability or explosive limits	No data available
Vapour pressure	No data available
Vapour density	No data available
Density	No data available
Solubility(ies)	Soluble
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidising properties	No data available

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Reactivity :	No data available
Chemical stability :	The product is chemically stable under recommended conditions of storage, use and temperature.
Possibility of hazardius	s reactions
In case of melting	:
	No data available
In case of vaporiz	ation :
	No data available
In case of freezing	;:
	No data available
Condition to avoid	
In dry state :	
	No data available
In an isolated stat	e :
	No data available
In fine dispersion	/spraying/misting :
	No data available
In case of warmin	g :
	No data available
In case of light inf	luence :
	No data available
In case of impact	or pressure influence :
-	No data available
In case of air inta	ke :
	No data available
In case of exceeding	ng the storage time :
	No data available
In case of exceeding	ng the storage temperature :
	No data available
Incompatible materials	3
Materials to avoid	
	No data available
Hazardous decomposit	ion products:
*	No data available
Additional information	I
	No data available

SECTION 10: Stability and reactivity

SECTION 11: Toxicological information

This product is approved by ACMI (The Art & Creative Material Institute, Inc.), and carries the "AP" seal of non-toxic approval in USA.

SECTION 12: Ecological information

Hazardous to the aquatic environment-Acute hazard: No data available Hazardous to the aquatic environment-Chronic hazard: No data available Hazardous to the ozone layer : No data available Additional ecotoxicological information:

No data available

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SECTION 13: Disposal considerations

Waste treatment methods

Product/packaging disposal

Properties of waste which render it hazardous :

No data available

Waste treatment option :

Appropriate disposal/Product

Dispose of waste according to applicable legislation.

Appropriate disposal/Package

No data available

Remarks :

Consult the appropriate local waste disposal expert about waste disposal.

SECTION 14: Transport information

UN number	
Land transport(ADR/RID)	Not applicable
Inland waterway transport(ADN)	Not applicable
Sea transportation(IMDG)	Not applicable
Air transportationICAO-TI/IATA-DGR	Not applicable
UN proper shipping name	
Land transport(ADR/RID)	Not applicable
Inland waterway transport(ADN)	Not applicable
Sea transportation(IMDG)	Not applicable
Air transportationICAO-TI/IATA-DGR	Not applicable
Transport hazard class(es)	
Land transport(ADR/RID)	Not applicable
Inland waterway transport(ADN)	Not applicable
Sea transportation(IMDG)	Not applicable
Air transportationICAO-TI/IATA-DGR	Not applicable
Packing group	
Land transport(ADR/RID)	Not applicable
Inland waterway transport(ADN)	Not applicable
Sea transportation(IMDG)	Not applicable
Air transportationICAO-TI/IATA-DGR	Not applicable
Environmental hazards	
Land transport(ADR/RID)	No data available
Inland waterway transport(ADN)	No data available
Sea transportation(IMDG)	No data available
Air transportationICAO-TI/IATA-DGR I ransport in bulk according to	No data available
Transport in Dulk according to MARPOL 73/78 and the IRC Code (Not applicable
Marine pollutant :	Not applicable

SECTION 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory : Not SNUR, ACTIVE;

National Toxicology Program (NTP) Report on Carcinogens-Substances listed : Not available

Agents classified by International Agency for Research on Cancer(IARC) monographs : CASNO:1333-86-4,Carbon black,2B ;

Occupational Safety and Health Act (OSHA) Standard related to carcinogens : Not available

Proposition65 Safe Drinking Water and Toxic Enforcement Act of 1986 :

CASNO:1333-86-4, Carbon black (airborne, unbound particles of respirable size), cancer ; CASNO:107-21-1, Ethylene glycol (ingested), developmental ;

Chemical Safety Assessment

No data available

SECTION 16: Other information

Date of preparation:

2021/11/9

Version number:

XSDK05211109US-2

Data sources:

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.



SDS Documents from Sakura of America - Important information

The Hazard Communication Standard (HCS) requires importers to provide Safety Data Sheets (SDSs) (formerly known as Material Safety Data Sheets or MSDSs) to communicate the hazards of hazardous chemical products. As of June 1, 2015, the HCS will require new SDSs to be in a uniform format, and include the section numbers, the headings, and associated information under the new headings.

SDSs that represent <u>non-hazardous chemicals are not covered by the HCS</u>. Paragraph 29 CFR 1910.1200(g)(8) of the standard requires that "the employer shall maintain in the workplace copies of the required SDSs for each hazardous chemical, and shall ensure that they are readily accessible during each work shift to employees when they are in their work area(s)." OSHA does not require nor encourage employers to maintain MSDSs for non-hazardous chemicals. Consequently, an employer is free to discard MSDSs for non-hazardous chemicals.

SDS are only required for materials that are <u>hazardous</u>. Often times, manufacturers are asked for MSDS's for products that do not meet this requirement - <u>manufacturers are under **no** obligation to produce SDS's for non-hazardous materials</u>. OSHA discourages the production of MSDS & SDS for non-hazardous materials.

An "article" means a manufactured item: (1) which is formed to a specific shape or design during manufacture (2) which has end use function(s) dependent in whole or in part upon its shape or design during end use; and (3) which does not release, or otherwise result in exposure to, a <u>hazardous chemical</u> under normal conditions of use. <u>Any product which meets the definition of an "article," would be exempt from the requirements of the Standard.</u>

The definition above has been amended to permit the release of "very small quantities, e.g., minute or trace amounts" of a <u>hazardous</u> chemical and still qualify as an article provided that a physical or health risk is not posed to the employees (59 F.R. 6146). In evaluating an article, one must consider the health risk which exposure to that article presents. (The term "risk" as opposed to "hazard" is used here, since the hazard is an inherent property of the chemical and exists no matter the quantity of exposure. To be exempted as an article, exposure must not pose a risk to employee health.)

Note that OSHA cannot make an across-the-board determination of a products' exclusion as an "article." The standard's definition by its very wording imposes the need to make case-by-case evaluations. Consequently, a blanket exemption for specific products cannot be given by OSHA.

The HCS exempts any <u>consumer product</u> or hazardous substance, as those terms are defined in the <u>Consumer Product Safety Act</u> (15 U.S.C. 2051 et seq.) and Federal Hazardous Substances Act (15 U.S.C. 1261 et seq.) respectively, where the employer can show that it is used in the workplace for the purpose intended by the chemical manufacturer or importer of the product, and the use results in a duration and frequency of exposure which is not greater than the range of exposures that could reasonably be experienced by consumers when used for the purpose intended.

According to the first OSHA interpretation listed below, "...clerical workers...**may not** be subject to the requirements of the HCS. Office workers who encounter hazardous chemicals only in isolated instances are not covered by the rule. The Occupational Safety and Health Administration (OSHA) considers most office products (such as pens, pencils, adhesive tape) to be exempt under the provisions of the rule, either as <u>articles</u> or as <u>consumer products</u>.

Page 2 of this memo lists the specific stock numbers which are covered under the attached SDS although not specifically noted on the SDS section 1.. Numbers listed on this 2nd page which are not noted on the SDS are due to packaging variations (i.e. blister cards, sets) but the individual contents of these packaging variations are within the SDS.

All products offered by Sakura of America are considered either a) articles b) office products and/or c) consumer products and are exempted from the requirements of the Standard(s) and do not require SDS (unless otherwise noted)

Nonetheless, some downstream clients may insist on an SDS even when one is not required. In such cases, OSHA has suggested providing a written statement such as "*This product is not considered to be or to contain hazardous chemicals based on evaluations made by our company under the OSHA Hazard Communication Standard, <u>29 CFR 1910.1200</u>." This gives the requesting party something that they can put in their files and saves the manufacture<u>r</u> from needless work.*

For more information refer to: https://www.osha.gov/html/faq-hazcom.html

Safety Data Sheet 2nd Page Cover Letter Product Listing

Stock #	Brief Description
XSDK08-49	MICRON 08 PEN 0.50MM - BLACK
XSDK08-36	MICRON 08 PEN 0.50MM - BLUE
XSDK08-19	MICRON 08 PEN 0.50MM - RED
XSDK08-29	MICRON 08 PEN 0.50MM - GREEN
30881	BC, MICRON 08 PEN 0.50MM - BLACK
50064	BC, MICRON 3 PK - BLACK
	1 each: 005, 02, 08
30062	BC, MICRON 6 PC SET - BLACK
30067	1 each 005, 01, 02, 03, 05, 08
	BC, PIGMA ALL BLACK 8 PC SET 1 each 005, 01, 02, 03, 05, 08, 1MM, BRUSH
50076	SET, PIGMA ALL BLACK CUBE COLLECTION 16 PC
Consists of:	
00131313 01.	Micron: 3 each 05; 2 each 01, 08; 1 each 005, 02, 03
50023	BC, MICRON 3 PC SET (08) - BLACK
50039	BC, MICRON 6 PC SET (08) - BLACK
	I

SAFETY DATA SHEET

(Required under OSHA's Hazard Communication Standard 29 CFR 1910.1200)

Section 1. Identification	
Manufacturer's Name:	Telephone Number:
Sakura Color Products Corporation	n +81 (0)6 - 6910 - 8824 (Japan)
Address:	FAX Number:
1-6-20, Morinomiya Chuo, Chuo-ku, Osa	aka, 540-8508 Japan +81 (0)6 - 6910 - 8834 (Japan)
Product Name:	
PIGMA MICRON 08 PEN 0.50MM: Black((XSDK08-49), Blue(XSDK08-36), Red(XSDK08-19), Green(XSDK08-29)
Section 2. Hazard(S) identification	
This product is approved by ACMI (The A	rt & Creative Material Institute, Inc.),
	and carries the "AP" seal of non-toxic approval in USA
This product is not considered hazardous	in normal use as required under OSHA's
	Hazardous Communication Standard 29 CFR 1910.1200
Section 3. Composition / information on ingr	redients
Ethylene glycol (107-21-1), 2-Butoxyetha	anol (111-76-2), Carbon black(1333-86-4), Resin, Pigment, Additive
Section 4. First-Aid measures	
Inhalation : If he/she has subjective	and objective symptoms, move him/her to a place fresh air,
	and consult a doctor.
 Skin Contact : Wash with soap and wa 	ter.
•Eye Contact : Wash the eyes immedia	ately with large amounts of running water for over 15 minutes,
	and see a doctor for medical advice.
 Ingestion : If the victim stops breat 	hing, wipe away any remaining material in the mouth and
	clear the airway and administer artificial respiration.
Section 5. Fire-fighting measures	
·Suitable extinguishing media	: In case of fire, use water spray, foam or dry chemical powder.
 For safety reasons unsuitable extinguis 	hing media : None
 For safety reasons unsuitable extinguish Protective equipment 	hing media :None :No special measures required
	-
	: No special measures required
Protective equipment Section 6. Accidental release measure Person-related safety precautions	: No special measures required : No relevant information found.
Protective equipment Section 6. Accidental release measure Person-related safety precautions Measures for environmental protection	: No special measures required : No relevant information found. : No relevant information found.
Protective equipment Section 6. Accidental release measure Person-related safety precautions Measures for environmental protection	: No special measures required : No relevant information found. : No relevant information found.
Protective equipment Section 6. Accidental release measure Person-related safety precautions Measures for environmental protection Measures for cleaning/collecting : The i Section 7. Handling and storage	: No special measures required : No relevant information found.
Protective equipment Section 6. Accidental release measure Person-related safety precautions Measures for environmental protection Measures for cleaning/collecting : The i Section 7. Handling and storage	: No special measures required : No relevant information found. : No relevant information found.
Protective equipment Section 6. Accidental release measure ·Person-related safety precautions ·Measures for environmental protection ·Measures for cleaning/collecting : The i Section 7. Handling and storage ·Handling : In the case of stuck to the section	: No special measures required : No relevant information found. : No relevant information found. nk is not spilled so that it soaked into the ink reservoir by normal handling
Protective equipment Section 6. Accidental release measure Person-related safety precautions Measures for environmental protection Measures for cleaning/collecting : The i Section 7. Handling and storage Handling : In the case of stuck to th Storage : Avoid high temperature, Section 8. Exposure controls / personal protection	: No special measures required : No relevant information found. : No relevant information found. nk is not spilled so that it soaked into the ink reservoir by normal handling he skin, rinse with running water and soap. fire, direct rays of the sun, and a powerful oxidizing agent. tection
Protective equipment Section 6. Accidental release measure ·Person-related safety precautions ·Measures for environmental protection ·Measures for cleaning/collecting : The i Section 7. Handling and storage ·Handling : In the case of stuck to th ·Storage : Avoid high temperature, Section 8. Exposure controls / personal prot ·General protective and hygienic measure	: No special measures required : No relevant information found. : No relevant information found. nk is not spilled so that it soaked into the ink reservoir by normal handling he skin, rinse with running water and soap. fire, direct rays of the sun, and a powerful oxidizing agent. tection res : Unnecessary in normal use
Protective equipment Section 6. Accidental release measure Person-related safety precautions Measures for environmental protection Measures for cleaning/collecting : The i Section 7. Handling and storage Handling : In the case of stuck to th Storage : Avoid high temperature, Section 8. Exposure controls / personal protective and hygienic measure Breathing equipment : Unne	No special measures required No relevant information found. No relevant information found. No relevant information found. No relevant information found. No relevant information found. Ink is not spilled so that it soaked into the ink reservoir by normal handling he skin, rinse with running water and soap. fire, direct rays of the sun, and a powerful oxidizing agent. tection res: Unnecessary in normal use seessary in normal use
Protective equipment Section 6. Accidental release measure Person-related safety precautions Measures for environmental protection Measures for cleaning/collecting : The i Section 7. Handling and storage Handling : In the case of stuck to th Storage : Avoid high temperature, Section 8. Exposure controls / personal prote General protective and hygienic measure Breathing equipment : Unne Protection of hands : Unne	No special measures required No relevant information found. No relevant information found.
Protective equipment Section 6. Accidental release measure Person-related safety precautions Measures for environmental protection Measures for cleaning/collecting : The i Section 7. Handling and storage Handling : In the case of stuck to th Storage : Avoid high temperature, Section 8. Exposure controls / personal protective and hygienic measure Breathing equipment : Unne Protection of hands : Unne Eye protection : Unne	No special measures required No relevant information found. No relevant information found. Ink is not spilled so that it soaked into the ink reservoir by normal handling he skin, rinse with running water and soap. fire, direct rays of the sun, and a powerful oxidizing agent. tection res: Unnecessary in normal use seessary in normal use

Section 9. Physical and chemical properties for Ink

 Boiling point / boiling range 	: about 100 °C
 Flash point 	: No data
 Melting point 	: No data
•Solubility:	
water solubility	: Soluble (except pigments)
fat solubility (solvent –	oil to be specified) : Insoluble
 Relative density 	: 1 < g/cm ³ (at 25°C)

Section 10. Stability and reactivity

 Conditions to avoided: High temperature, Direct sunlight, Fire
 Materials to avoided: Strong acid and base
 Hazardous decomposition products: No dangerous decomposition products known

Section 11. Toxicological information

This product is approved by ACMI (The Art & Creative Material Institute, Inc.),

and carries the "AP" seal of non-toxic approval in USA.

Section 12. Ecological information

No relevant information found.

Section 13. Ecological information

Incinerate under safe conditions or dispose of in accordance with local regulations.

Section 14. Transport information

·DOT : Not applicable

·IATA : Not applicable

·IMO : Not applicable

Section 15. Regulatory information

TSCA : The product listed on Safety Data Sheet is not listed on Toxic Substances Control Act Inventory. All ingredients used to manufacture this product are listed on TSCA Inventory.

Section 16. Other information, including date of preparation or last revision.

HMIS Code:

Health - 1 Flammability – 0 Reactivity - 0 Personal Protection - N.A.

Date of revision: December 6, 2017

This information herein is given good faith, but no warranty, expressed or implied is made. De

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2021/11/9

Safety Data Sheet

Issue date: 2020/11/30 Revision date: 2021/11/9 Version: 2

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product Identifier

Substance or Mixture name	:	PIGMA MICRON 10
		Item code : XSDK10-49, XSDK10-42, XSDK10-44
EC No.	:	
REACH No.	:	
CAS No.	:	
Relevant identified uses of the substance	or mix	ture and uses advised against
Sector of uses [SU]	:	Consumer uses: Private households (= general public = consumers)
Use of the substance/mixture	:	Ink and toners
Uses advised against	:	see section 16 for a general overview
Details of the Supplier of the Safety Data	a Sheet	
Supplier	:	Sakura Color Products Corp. Quality Management Department
Address	:	7-18-47, Kano, Higashi-osaka, Osaka, Japan
P.O.Box	:	578-0901
Telephone	:	+81-(0)72-873-1295
Telefax	:	+81-(0)72-873-5505
E-Mail	:	
Emergency telephone number		
Emergency telephone number	:	+81-(0)72-873-1295
Remark	:	Only available during office hours.

SECTION 2: Hazards identification

Classification of the substance or mixture:

This product is approved by ACMI (The Art & Creative Material Institute, Inc.), and carries the "AP" seal of non-toxic approval in USA.

This product is not considered hazardous in normal use as required under OSHA's Hazardous Communication Standard 29 CFR 1910.1200.

SECTION 3: Composition / information on ingredients

: Mixtures

Substance	% (weight)	CAS No.	Trade Secret
Ethane-1,2-diol, vapour	7.2-16	107-21-1	
Carbon black	0.1-9.0	1333-86-4	
Water, Pigment, Resin, Additive			v

SECTION 4: First aid measures

Description of first aid measures

General information :

Seek medical advice immediately.

Following inhalation:

In case of inhalation of decomposition products, affected person should be moved into fresh air and kept still.

Following skin contact

Wash immediately with : Water and soap

In the case of contact with hot melt, treat skin with :

No data available

Do not wash with : No data available

After eye contact:

In case of eye irritation consult an ophthalmologist. Rinse immediately carefully and thoroughly with eye-bath or water.

Rinse mouth thoroughly with water.

If swallowed immediately drink :

No data available

Self-protection of the first aider :

No data available

Most important symptoms and effects, both acute and delayed

Symptoms

Effects :

After ingestion :

The following symptoms may occur :

No data available

No data available

Indication of any immediate medical attention and special treatment needed

Notes for the doctor :

No data available

Special treatment :

No data available

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media :

Water ABC-powder Carbon dioxide (CO2) Dry sand Water spray

Unsuitable extinguishing media:

Not applicable

Special hazards arising from the substance or mixture

Hazardous combustion products : No data available

.....

Advice for firefighters

Special protective equipment for firefighters: No data available

Additional information:

The product itself does not burn.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions :

No data available

Protective equipment :

No data available

Emergency procedures :

Provide adequate ventilation.

Enviromental precautions :

Do not allow to enter into surface water or drains.

Methods and materials for containment and cleaning up

For containment

Suitable material for taking up:

No data available

For cleaning up

Suitable material for diluting or neutralising :

No data available

Reference to other sections :

Disposal: see section 13

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SECTION 7: Handling and storage Precautions for safe handling	
Protective measure	
Advice on safe handling	
Avoid :	Not applicable
Handle under (gas) :	Not applicable
Handle under (liquid):	Not applicable
Remark:	No data available
Measures to prevent fire	
Keep wet with :	Not applicable
Do not mix with :	No data available
Keep away from :	No data available
Remark:	No data available
Measures to prevent aerosol ar	nd dust generation
During filling, metering a	nd sampling should be used if possible: Not applicable
Use the following local e	exhaust ventilation type :
	Not applicable
Environmental precaution :	
	Not applicable
Special requirements or handling	ng rules : Not applicable
Advice on general occupational h	11
Not applicab	•••
······•	
Conditions for safe storage, including	any incompatibilities
Packaging materials	
Suitable container/equipment m	aterial: No data available
Unsuitable container/equipmen	t material: Not applicable
Hints on joint storage	
Storage class :	no classification
Materials to avoid :	Not applicable

Further information on storage conditions : No data available

SECTION 8: Exposure controls/personal protection

Control parameters

Occupational exposure limit values

Ingredient	CAS NO.	Country	TV	WA	ST	EL	Cei	ling
			ppm	mg/m3	ppm	mg/m3	ppm	mg/m3
Ethane-1,2-diol, vapour	107-21-1	US	25		50			
Carbon black	1333-86-4	US		0.1				

Biological limit values

Ingredient	CAS NO.	EC No	Country	Unit	Limit value	Parameter
	No	data availa	ble			

Exposure controls

Appropriate engineering controls

Initial Remarks : See section 7. No additional measures necessary.

Substance/mixture related mesures to privent exposure during identified users :

No data available

Technical mesures to provent exposure : No data available

Eye/face protection	
Suitable eye protection :	No data available
Remark:	No data available
Skin protection	
Hand protection	
Suitable gloves type :	No data available
Suitable material :	No data available
Required properties :	No data available
Remark:	No data available
Body protection	
Suitable protective clothing :	No data available
Required properties :	No data available
Recommended material :	No data available
Respiratory protection	
Respiratory protection necessary	at :
No data availa	able
According to experience this refer	rs to the following tasks :
No data availa	able
Suitable respiratory protection app	paratus :
No data availa	able
Remarks :	
No data avail	able
Environmental exposure controls	
Technical measures to prevent e	-
Use the following filter types for	
No data avail	
	or abatement technique for cleaning waste gases
No data avail	
Use the follwoing chemical treat No data avail	

SECTION 9: Physical and chemical properties

Physical state	liquid
Color	black/ light cool gray/ cool gray
Odour	odourless
pH	No data available
Melting point/freezing point	No data available
Initial boiling point and boiling range	about 100°C
Flash point	No data available
Evaporation rate	No data available
Flammability	No data available
Upper/lower flammability or explosive limit	s No data available
Vapour pressure	No data available
Vapour density	No data available
Density	No data available
Solubility(ies)	Soluble
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidising properties	No data available

Reactivity :	No data available
Chemical stability :	The product is chemically stable under recommended conditions of storage, use and temperature.
Possibility of hazardius	s reactions
In case of melting	:
	No data available
In case of vaporiz	ation :
	No data available
In case of freezing	g:
	No data available
Condition to avoid	
In dry state :	
	No data available
In an isolated stat	te :
	No data available
In fine dispersion	/spraying/misting :
	No data available
In case of warmin	g :
	No data available
In case of light in	fluence :
	No data available
In case of impact	or pressure influence :
	No data available
In case of air inta	ke :
	No data available
In case of exceedi	ng the storage time :
	No data available
In case of exceedi	ng the storage temperature :
	No data available
Incompatible materials	8
Materials to avoid	
	No data available
Hazardous decomposit	ion products:
-	No data available
Additional information	1
	No data available

SECTION 10: Stability and reactivity

SECTION 11: Toxicological information

This product is approved by ACMI (The Art & Creative Material Institute, Inc.), and carries the "AP" seal of non-toxic approval in USA.

SECTION 12: Ecological information

Hazardous to the aquatic environment-Acute hazard: No data available Hazardous to the aquatic environment-Chronic hazard: No data available Hazardous to the ozone layer : No data available Additional ecotoxicological information:

No data available

2021/11/9

SECTION 13: Disposal considerations

Waste treatment methods
Product/packaging disposal
Properties of waste which render it hazardous :
No data available
Waste treatment option :
Appropriate disposal/Product
Dispose of waste according to applicable legislation.
Appropriate disposal/Package
No data available
Remarks :

Consult the appropriate local waste disposal expert about waste disposal.

SECTION 14: Transport information

UN number	
Land transport(ADR/RID)	Not applicable
Inland waterway transport(ADN)	Not applicable
Sea transportation(IMDG)	Not applicable
Air transportationICAO-TI/IATA-DGR	Not applicable
UN proper shipping name	
Land transport(ADR/RID)	Not applicable
Inland waterway transport(ADN)	Not applicable
Sea transportation(IMDG)	Not applicable
Air transportationICAO-TI/IATA-DGR	Not applicable
Transport hazard class(es)	
Land transport(ADR/RID)	Not applicable
Inland waterway transport(ADN)	Not applicable
Sea transportation(IMDG)	Not applicable
Air transportationICAO-TI/IATA-DGR	Not applicable
Packing group	
Land transport(ADR/RID)	Not applicable
Inland waterway transport(ADN)	Not applicable
Sea transportation(IMDG)	Not applicable
Air transportationICAO-TI/IATA-DGR	Not applicable
Environmental hazards	
Land transport(ADR/RID)	No data available
Inland waterway transport(ADN)	No data available
Sea transportation(IMDG)	No data available
Air transportationICAO-TI/IATA-DGR	No data available
Fransport in bluk according to MARPOL 73/78 and the IRC Code (Not applicable
Marine pollutant :	Not applicable

SECTION 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory : Not SNUR, ACTIVE;

National Toxicology Program (NTP) Report on Carcinogens-Substances listed : Not available

Agents classified by International Agency for Research on Cancer(IARC) monographs : CASNO:1333-86-4, Carbon black, 2B ;

Occupational Safety and Health Act (OSHA) Standard related to carcinogens : Not available

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Proposition65 Safe Drinking Water and Toxic Enforcement Act of 1986 :

CASNO:1333-86-4, Carbon black (airborne, unbound particles of respirable size), cancer ; CASNO:107-21-1, Ethylene glycol (ingested), developmental ;

Chemical Safety Assessment

No data available

SECTION 16: Other information

Date of preparation:

2021/11/9

Version number:

XSDK10211109US-2

Data sources:

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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2021/11/9

Safety Data Sheet

Issue date: 2020/11/30 Revision date: 2021/11/9 Version: 2

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product Identifier

Substance or Mixture name	:	PIGMA MICRON 12
		Item code : XSDK12-49, XSDK12-42, XSDK12-44
EC No.	:	
REACH No.	:	
CAS No.	:	
Relevant identified uses of the substanc	e or mix	ature and uses advised against
Sector of uses [SU]	:	Consumer uses: Private households (= general public = consumers)
Use of the substance/mixture	:	Ink and toners
Uses advised against	:	see section 16 for a general overview
Details of the Supplier of the Safety Dat	ta Sheet	
Supplier	:	Sakura Color Products Corp. Quality Management Department
Address	:	7-18-47, Kano, Higashi-osaka, Osaka, Japan
P.O.Box	:	578-0901
Telephone	:	+81-(0)72-873-1295
Telefax	:	+81-(0)72-873-5505
E-Mail	:	
Emergency telephone number		
Emergency telephone number	:	+81-(0)72-873-1295
Remark	:	Only available during office hours.

SECTION 2: Hazards identification

Classification of the substance or mixture:

This product is approved by ACMI (The Art & Creative Material Institute, Inc.), and carries the "AP" seal of non-toxic approval in USA.

This product is not considered hazardous in normal use as required under OSHA's Hazardous Communication Standard 29 CFR 1910.1200.

SECTION 3: Composition / information on ingredients

: Mixtures

Substance	% (weight)	CAS No.	Trade Secret
Ethane-1,2-diol, vapour	7.2-16	107-21-1	
Carbon black	0.1-9.0	1333-86-4	
Water, Pigment, Resin, Additive			v

SECTION 4: First aid measures

Description of first aid measures

General information :

Seek medical advice immediately.

Following inhalation:

In case of inhalation of decomposition products, affected person should be moved into fresh air and kept still.

Following skin contact

Wash immediately with : Water and soap

In the case of contact with hot melt, treat skin with :

No data available

Do not wash with : No data available

After eye contact:

In case of eye irritation consult an ophthalmologist. Rinse immediately carefully and thoroughly with eye-bath or water.

Rinse mouth thoroughly with water.

If swallowed immediately drink :

No data available

Self-protection of the first aider :

No data available

Most important symptoms and effects, both acute and delayed

Symptoms

Effects :

After ingestion :

The following symptoms may occur :

No data available

No data available

Indication of any immediate medical attention and special treatment needed

Notes for the doctor :

No data available

Special treatment :

No data available

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media :

Water ABC-powder Carbon dioxide (CO2) Dry sand Water spray

Unsuitable extinguishing media:

Not applicable

Special hazards arising from the substance or mixture

Hazardous combustion products : No data available

a a .

Advice for firefighters

Special protective equipment for firefighters: No data available

Additional information:

The product itself does not burn.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions :

No data available

Protective equipment :

No data available

Emergency procedures :

Provide adequate ventilation.

Enviromental precautions :

Do not allow to enter into surface water or drains.

Methods and materials for containment and cleaning up

For containment

Suitable material for taking up:

No data available

For cleaning up

Suitable material for diluting or neutralising :

No data available

Reference to other sections :

Disposal: see section 13

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SECTION 7: Handling and storage Precautions for safe handling		
Protective measure		
Advice on safe handling		
Avoid :	Not applica	ble
Handle under (gas) :		
Handle under (liquid):		
Remark:		
Measures to prevent fire	110 data ava	
Keep wet with :	Not applica	ble
Do not mix with :		
Keep away from :		
	No data ava	
Measures to prevent aerosol an	d dust gener	ration
During filling, metering a	nd sampling Not applica	should be used if possible: ble
Use the following local e		
	Not applica	v 1
Environmental precaution :	11	
F	Not applica	ble
Special requirements or handlir		
°F•••••••	Not applica	ble
Advice on general occupational h	ygiene :	
Not applicabl	••	
Conditions for safe storage, including	any incomp	atibilities
Packaging materials	any meompa	tubilities
0 0	atorial	No data available
		Not applicable
Hints on joint storage	i material:	Tot applicable
Storage class :	no classifica	ation
Materials to avoid :	Not applica	
wateriais to avoid :	Trot applica	

Further information on storage conditions : No data available

SECTION 8: Exposure controls/personal protection

Control parameters

Occupational exposure limit values

Ingredient	CAS NO.	Country	T	WA	ST	EL	Cei	ling
			ppm	mg/m3	ppm	mg/m3	ppm	mg/m3
Ethane-1,2-diol, vapour	107-21-1	US	25		50			
Carbon black	1333-86-4	US		0.1				

Biological limit values

Ingredient	CAS NO.	EC No	Country	Unit	Limit value	Parameter	
No data available							

Exposure controls

Appropriate engineering controls

Initial Remarks : See section 7. No additional measures necessary.

Substance/mixture related mesures to privent exposure during identified users :

No data available

Technical mesures to provent exposure : No data available

Eye/face protection	NT 1 / 111
Suitable eye protection :	No data available
Remark:	No data available
Skin protection	
Hand protection	
Suitable gloves type :	No data available
Suitable material :	No data available
Required properties :	No data available
Remark:	No data available
Body protection	
Suitable protective clothing :	No data available
Required properties :	No data available
Recommended material :	No data available
Respiratory protection	
Respiratory protection necessary	at :
No data avail	able
According to experience this refe	rs to the following tasks :
No data avail	able
Suitable respiratory protection ap	paratus :
No data avail	able
Remarks :	
No data avail	able
Environmental exposure controls	
Technical measures to prevent e	exposure
Use the following filter types for	cleaning waste gases :
No data avail	able
u	or abatement technique for cleaning waste gase
No data avail	
Use the follwoing chemical treat No data avail	

SECTION 9: Physical and chemical properties

Physical state	liquid
Color	black/ light cool gray/ cool gray
Odour	odourless
pH	No data available
Melting point/freezing point	No data available
Initial boiling point and boiling range	about 100°C
Flash point	No data available
Evaporation rate	No data available
Flammability	No data available
Upper/lower flammability or explosive limits	s No data available
Vapour pressure	No data available
Vapour density	No data available
Density	No data available
Solubility(ies)	Soluble
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidising properties	No data available

Reactivity :	No data available
Chemical stability :	The product is chemically stable under recommended conditions of storage, use and temperature.
Possibility of hazardius	s reactions
In case of melting	:
	No data available
In case of vaporiz	ation :
	No data available
In case of freezing	2:
c.	No data available
Condition to avoid	
In dry state :	
-	No data available
In an isolated stat	te :
	No data available
In fine dispersion	/spraying/misting :
F	No data available
In case of warmin	
In case of warmin	No data available
In case of light in	
In case of light lin	No data available
In acco of impost	or pressure influence :
In case of impact	No data available
In case of air inta	
In case of air inta	No data available
In case of exceeding	ing the storage time :
	No data available
In case of exceeding	ing the storage temperature :
	No data available
Incompatible materials	
Materials to avoid	
	No data available
Hazardous decomposit	
	No data available
Additional information	
	No data available

SECTION 10: Stability and reactivity

SECTION 11: Toxicological information

This product is approved by ACMI (The Art & Creative Material Institute, Inc.), and carries the "AP" seal of non-toxic approval in USA.

SECTION 12: Ecological information

Hazardous to the aquatic environment-Acute hazard: No data available Hazardous to the aquatic environment-Chronic hazard: No data available Hazardous to the ozone layer : No data available Additional ecotoxicological information:

No data available

2021/11/9

SECTION 13: Disposal considerations

Waste treatment methods	
Product/packaging disposal	
Properties of waste which render	it hazardous :
No data availa	ble
Waste treatment option :	
Appropriate disposal/Product	
Dispose of wa	ste according to applicable legislation.
Appropriate disposal/Package	
No data availa	ble
Remarks :	

Consult the appropriate local waste disposal expert about waste disposal.

SECTION 14: Transport information

UN number	
Land transport(ADR/RID)	Not applicable
Inland waterway transport(ADN)	Not applicable
Sea transportation(IMDG)	Not applicable
Air transportationICAO-TI/IATA-DGR	Not applicable
UN proper shipping name	
Land transport(ADR/RID)	Not applicable
Inland waterway transport(ADN)	Not applicable
Sea transportation(IMDG)	Not applicable
Air transportationICAO-TI/IATA-DGR	Not applicable
Transport hazard class(es)	
Land transport(ADR/RID)	Not applicable
Inland waterway transport(ADN)	Not applicable
Sea transportation(IMDG)	Not applicable
Air transportationICAO-TI/IATA-DGR	Not applicable
Packing group	
Land transport(ADR/RID)	Not applicable
Inland waterway transport(ADN)	Not applicable
Sea transportation(IMDG)	Not applicable
Air transportationICAO-TI/IATA-DGR	Not applicable
Environmental hazards	
Land transport(ADR/RID)	No data available
Inland waterway transport(ADN)	No data available
Sea transportation(IMDG)	No data available
Air transportationICAO-TI/IATA-DGR	No data available
I FANSPORT IN DUIK ACCORDING TO MARDOL 73/78 and the IRC Code •	Not applicable
Marine pollutant :	Not applicable

SECTION 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory : Not SNUR, ACTIVE;

National Toxicology Program (NTP) Report on Carcinogens-Substances listed : Not available

Agents classified by International Agency for Research on Cancer(IARC) monographs : CASNO:1333-86-4, Carbon black, 2B ;

Occupational Safety and Health Act (OSHA) Standard related to carcinogens : Not available

XSDK12211109US-2

Proposition65 Safe Drinking Water and Toxic Enforcement Act of 1986 :

CASNO:1333-86-4, Carbon black (airborne, unbound particles of respirable size), cancer ; CASNO:107-21-1, Ethylene glycol (ingested), developmental ;

Chemical Safety Assessment

No data available

SECTION 16: Other information

Date of preparation:

2021/11/9

Version number:

XSDK12211109US-2

Data sources:

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.



SDS Documents from Sakura of America - Important information

The Hazard Communication Standard (HCS) requires importers to provide Safety Data Sheets (SDSs) (formerly known as Material Safety Data Sheets or MSDSs) to communicate the hazards of hazardous chemical products. As of June 1, 2015, the HCS will require new SDSs to be in a uniform format, and include the section numbers, the headings, and associated information under the new headings.

SDSs that represent <u>non-hazardous chemicals are not covered by the HCS</u>. Paragraph 29 CFR 1910.1200(g)(8) of the standard requires that "the employer shall maintain in the workplace copies of the required SDSs for each hazardous chemical, and shall ensure that they are readily accessible during each work shift to employees when they are in their work area(s)." OSHA does not require nor encourage employers to maintain MSDSs for non-hazardous chemicals. Consequently, an employer is free to discard MSDSs for non-hazardous chemicals.

SDS are only required for materials that are <u>hazardous</u>. Often times, manufacturers are asked for MSDS's for products that do not meet this requirement - <u>manufacturers are under **no** obligation to produce SDS's for non-hazardous materials</u>. OSHA discourages the production of MSDS & SDS for non-hazardous materials.

An "article" means a manufactured item: (1) which is formed to a specific shape or design during manufacture (2) which has end use function(s) dependent in whole or in part upon its shape or design during end use; and (3) which does not release, or otherwise result in exposure to, a <u>hazardous chemical</u> under normal conditions of use. <u>Any product which meets the definition of an "article," would be exempt from the requirements of the Standard.</u>

The definition above has been amended to permit the release of "very small quantities, e.g., minute or trace amounts" of a <u>hazardous</u> chemical and still qualify as an article provided that a physical or health risk is not posed to the employees (59 F.R. 6146). In evaluating an article, one must consider the health risk which exposure to that article presents. (The term "risk" as opposed to "hazard" is used here, since the hazard is an inherent property of the chemical and exists no matter the quantity of exposure. To be exempted as an article, exposure must not pose a risk to employee health.)

Note that OSHA cannot make an across-the-board determination of a products' exclusion as an "article." The standard's definition by its very wording imposes the need to make case-by-case evaluations. Consequently, a blanket exemption for specific products cannot be given by OSHA.

The HCS exempts any <u>consumer product</u> or hazardous substance, as those terms are defined in the <u>Consumer Product Safety Act</u> (15 U.S.C. 2051 et seq.) and Federal Hazardous Substances Act (15 U.S.C. 1261 et seq.) respectively, where the employer can show that it is used in the workplace for the purpose intended by the chemical manufacturer or importer of the product, and the use results in a duration and frequency of exposure which is not greater than the range of exposures that could reasonably be experienced by consumers when used for the purpose intended.

According to the first OSHA interpretation listed below, "...clerical workers...**may not** be subject to the requirements of the HCS. Office workers who encounter hazardous chemicals only in isolated instances are not covered by the rule. The Occupational Safety and Health Administration (OSHA) considers most office products (such as pens, pencils, adhesive tape) to be exempt under the provisions of the rule, either as <u>articles</u> or as <u>consumer products</u>.

Page 2 of this memo lists the specific stock numbers which are covered under the attached SDS although not specifically noted on the SDS section 1.. Numbers listed on this 2nd page which are not noted on the SDS are due to packaging variations (i.e. blister cards, sets) but the individual contents of these packaging variations are within the SDS.

All products offered by Sakura of America are considered either a) articles b) office products and/or c) consumer products and are exempted from the requirements of the Standard(s) and do not require SDS (unless otherwise noted)

Nonetheless, some downstream clients may insist on an SDS even when one is not required. In such cases, OSHA has suggested providing a written statement such as "*This product is not considered to be or to contain hazardous chemicals based on evaluations made by our company under the OSHA Hazard Communication Standard, <u>29 CFR 1910.1200</u>." This gives the requesting party something that they can put in their files and saves the manufacture<u>r</u> from needless work.*

For more information refer to: https://www.osha.gov/html/faq-hazcom.html

Safety Data Sheet 2nd Page Cover Letter Product Listing

Stock #	Brief Description
XSDK-PN-49	PIGMA MICRON PN - PLASTIC NIB - PEN - BLACK
XSDK-PN-36	PIGMA MICRON PN - PLASTIC NIB - PEN - BLUE
XSDK-PN-19	PIGMA MICRON PN - PLASTIC NIB - PEN - RED
XSDK-PN-24	PIGMA MICRON PN - PLASTIC NIB - PEN - PURPLE
XSDK-PN-21	PIGMA MICRON PN - PLASTIC NIB - PEN - ROSE
XSDK-PN-117	PIGMA MICRON PN - PLASTIC NIB - PEN - SEPIA
XSDK-PN-22	PIGMA MICRON PN - PLASTIC NIB - PEN - BURGUNDY
XSDK-PN-243	PIGMA MICRON PN - PLASTIC NIB - PEN - BLUE/BLACK
50222	BC, PIGMA MICRON PN - PLASTIC NIB - PEN, 3 PK - BLACK
50223	BC, PIGMA MICRON PN - PLASTIC NIB - PEN, 3 PC SET
Consists of:	1 each: Black, Red, Blue
50221	BC, PIGMA MICRON PN - PLASTIC NIB - PEN, 6 PC SET
Consists of:	1 each: Black, Red, Purple, Rose, Sepia, Blue/Black
50220	BC, PIGMA MICRON PN - PLASTIC NIB - PEN, 8 PC SET
Consists of:	1 each: Black, Blue, Red, Purple, Rose, Sepia, Burgundy, Blue/Black
50048	BC, PIGMA ALL SEPIA 8 PC SET
Consists of:	1 each: 003, 005, 01, 03, 05, 1MM, BRUSH, PN

SAFETY DATA SHEET

(Required under OSHA's Hazard Communication Standard 29 CFR 1910.1200)

(XSDK-PN)	Page 1 of 2
Section 1. Identification	
Manufacturer's Name:	Telephone Number:
Sakura Color Products Corporation	+81 (0)6 - 6910 - 8824 (Japan)
Address:	FAX Number:
1-6-20, Morinomiya Chuo, Chuo-ku, Osaka, 540-8508 Japan	+81 (0)6 - 6910 - 8834 (Japan)
Product Name:	
PIGMA MICRON PN : Black(XSDK-PN-49), Blue(XSDK-PN-36)	
	, Sepia(XSDK-PN-117), Blue Black(XSDK-PN-243)
Section 2. Hazard(S) identification	
This product is approved by ACMI (The Art & Creative Material I	nstitute, Inc.),
an	d carries the "AP" seal of non-toxic approval in USA.
This product is not considered hazardous in normal use as requ	ired under OSHA's
Haza	rdous Communication Standard 29 CFR 1910.1200.
Section 3. Composition / information on ingredients	
Ethylene glycol (107-21-1), 2-Butoxyethanol (111-76-2), Carbo	n black(1333-86-4), Resin, Pigment, Additive
Section 4. First-Aid measures	
 Inhalation : If he/she has subjective and objective sympton 	ms, move him/her to a place fresh air,
	and consult a doctor.
•Skin Contact : Wash with soap and water.	
Eye Contact : Wash the eyes immediately with large amount	s of running water for over 15 minutes,
	and see a doctor for medical advice.
 Ingestion : If the victim stops breathing, wipe away any re 	emaining material in the mouth and
	clear the airway and administer artificial respiration.
Section 5. Fire-fighting measures	
•Suitable extinguishing media : In case of fire, use	e water spray, foam or dry chemical powder.
 For safety reasons unsuitable extinguishing media : None 	
•Protective equipment : No special measu	res required
Section 6. Accidental release measure	
Person-related safety precautions : No relevant inform	nation found.
Measures for environmental protection : No relevant inform	nation found.
·Measures for cleaning/collecting : The ink is not spilled so that	t it soaked into the ink reservoir by normal handling.
Section 7. Handling and storage	
·Handling : In the case of stuck to the skin, rinse with runn	ning water and soap.
•Storage : Avoid high temperature, fire, direct rays of the	sun, and a powerful oxidizing agent.
Section 8. Exposure controls / personal protection	
•General protective and hygienic measures: Unnecessary in no	ormal use
·Breathing equipment : Unnecessary in normal use	
Protection of hands : Unnecessary in normal use	
·Eye protection : Unnecessary in normal use	
•Skin protection : Unnecessary in normal use	
N.A.: Not Applicable N.D.: Not Determined	December 06, 2017

(XSDK-PN)

Section 9. Physical and chemical pro-	operties for Ink
 Boiling point / boiling range 	: about 100 °C
·Flash point	: No data
 Melting point 	: No data
·Solubility:	
water solubility	: Soluble (except pigments)
fat solubility (solvent – oil	to be specified) : Insoluble
·Relative density	: 1 < g/cm ³ (at 25°C)

Section 10. Stability and reactivity

Conditions to avoided:

High temperature, Direct sunlight, Fire •Materials to avoided: Strong acid and base •Hazardous decomposition products:

No dangerous decomposition products known

Section 11. Toxicological information

This product is approved by ACMI (The Art & Creative Material Institute, Inc.),

and carries the "AP" seal of non-toxic approval in USA.

Section 12. Ecological information

No relevant information found.

Section 13. Ecological information

Incinerate under safe conditions or dispose of in accordance with local regulations.

Section 14. Transport information

·DOT : Not applicable

·IATA : Not applicable

·IMO : Not applicable

Section 15. Regulatory information

TSCA : The product listed on Safety Data Sheet is not listed on Toxic Substances Control Act Inventory. All ingredients used to manufacture this product are listed on TSCA Inventory.

Section 16. Other information, including date of preparation or last revision.

HMIS Code:

Health - 1 Flammability – 0 Reactivity - 0 Personal Protection - N.A. Date of revision: December 6, 2017

This information herein is given good faith, but no warranty, expressed or implied is made. December 06, 2017

XSDK-BR211109US-2

2021/11/9

Safety Data Sheet

Issue date: 2017/12/6 Revision date: 2021/11/9

Version: 2

SECTION 1: Identification of the substance/mixture and of the company/undertaking **Product Identifier** PIGMA BRUSH Substance or Mixture name . Item code: XSDK-BR-49, XSDK-BR-36, XSDK-BR-19, XSDK-BR-29 XSDK-BR-12, XSDK-BR-24, XSDK-BR-05, XSDK-BR-21 XSDK-BR-117, XSDK-BR-42, XSDK-BR-44 EC No. : REACH No. ÷ CAS No. : Relevant identified uses of the substance or mixture and uses advised against Consumer uses: Private households (- general public - consumers) . ICTI C. - **f**

Sector of uses [SU]	:	Consumer uses: Private households (= general public = consumers)
Use of the substance/mixture	:	Ink and toners
Uses advised against	:	see section 16 for a general overview
Details of the Supplier of the Safety Data	Sheet	
Supplier	:	Sakura Color Products Corp. Quality Management Department
Address	:	7-18-47, Kano, Higashi-osaka, Osaka, Japan
P.O.Box	:	578-0901
Telephone	:	+81-(0)72-873-1295
Telefax	:	+81-(0)72-873-5505
E-Mail	:	
Emergency telephone number		
Emergency telephone number	:	+81-(0)72-873-1295
Remark	:	Only available during office hours.

SECTION 2: Hazards identification

Classification of the substance or mixture:

This product is approved by ACMI (The Art & Creative Material Institute, Inc.), and carries the "AP" seal of non-toxic approval in USA.

This product is not considered hazardous in normal use as required under OSHA's Hazardous Communication Standard 29 CFR 1910.1200.

SECTION 3: Composition / information on ingredients

: Mixtures

Substance	% (weight)	CAS No.	Trade Secret
Ethane-1,2-diol, vapour	7.2-16	107-21-1	
2-Butoxyethanol	0-1.0	111-76-2	
Carbon black	0-9.0	1333-86-4	
Water, Pigment, Resin, Additive			v

SECTION 4: First aid measures

Description of first aid measures

General information :

Seek medical advice immediately.

Following inhalation:

In case of inhalation of decomposition products, affected person should be moved into fresh air and kept still.

Following skin contact

Wash immediately with : Water and soap In the case of contact with hot melt, treat skin with : No data available Do not wash with : No data available

XSDK-BR211109US-2

In case of eye irritation consult an ophthalmologist. Rinse immediately carefully and thoroughly with eye-bath or water.

After ingestion :

Rinse mouth thoroughly with water.

If swallowed immediately drink :

No data available

Self-protection of the first aider :

No data available

Most important symptoms and effects, both acute and delayed

Symptoms

Effects :

The following symptoms may occur :

No data available

No data available

Indication of any immediate medical attention and special treatment needed

Notes for the doctor :

No data available

Special treatment :

No data available

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media :

Water ABC-powder Carbon dioxide (CO2) Dry sand Water spray

Unsuitable extinguishing media:

Not applicable

Special hazards arising from the substance or mixture

Hazardous combustion products :

No data available

Advice for firefighters

Special protective equipment for firefighters: No data available

Additional information:

The product itself does not burn.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions :

No data available

Protective equipment :

No data available

Emergency procedures :

Provide adequate ventilation.

Enviromental precautions :

Do not allow to enter into surface water or drains.

Methods and materials for containment and cleaning up

For containment

Suitable material for taking up:

No data available

For cleaning up

Suitable material for diluting or neutralising : No data available

Reference to other sections :

Disposal: see section 13

SECTION 7: Handling and storage		
Precautions for safe handling Protective measure		
Advice on safe handling	Not applica	bla
Handle under (gas) :	Not applica	
Handle under (liquid):	Not applica	
	No data ava	ailable
Measures to prevent fire	XX	
Keep wet with :		
Do not mix with :		
Keep away from :		
	No data ava	
Measures to prevent aerosol and		
During mining, metering an	Not applica	should be used if possible:
Use the following local ex	Not applica	2 1
Environmental more services a	Not applica	
Environmental precaution :	Not applica	ble
Caracial according to the adding		
Special requirements or handlin	g rules : Not applica	ble
A drive on several commetional be		
Advice on general occupational hy Not applicabl	•	
Not applicable	C	
Conditions for safe storage, including a	ny incompai	libilities
Packaging materials		NT 17 111
Suitable container/equipment ma		No data available
Unsuitable container/equipment	material:	Not applicable
Hints on joint storage		
Storage class :	no classifica	
Materials to avoid :	Not applica	ble

SECTION 8: Exposure controls/personal protection

Further information on storage conditions :

Control parameters

Occupational exposure limit values

Ingredient	CAS NO.	Country	TV	WA	ST	ΈL	Ce	iling
			ppm	mg/m3	ppm	mg/m3	ppm	mg/m3
Ethane-1,2-diol, vapour	107-21-1	US	25		50			
2-Butoxyethanol	111-76-2	US	5	24				
Carbon black	1333-86-4	US		0.1				

No data available

Biological limit values

Ingredient	CAS NO.	EC No	Country	Unit	Limit value	Parameter
2-Butoxyethanol	111-76-2	203-905-0	US	mg/g creatinine	200	Butoxyacetic acid (BAA)

Exposure controls

Appropriate engineering controls

See section 7. No additional measures necessary. Initial Remarks :

Substance/mixture related mesures to privent exposure during identified users :

No data available

Technical mesures to provent exposure :

No data available

Personal protection equipment	
Eye/face protection	No data available
Suitable eye protection :	
Remark:	No data available
Skin protection	
Hand protection	
Suitable gloves type :	No data available
Suitable material :	No data available
Required properties :	No data available
Remark:	No data available
Body protection	
Suitable protective clothing :	No data available
Required properties :	No data available
Recommended material :	No data available
Respiratory protection	
Respiratory protection necessary a	t :
No data availa	able
According to experience this refers	s to the following tasks :
No data availa	ıble
Suitable respiratory protection appa	uratus :
No data availa	ble
Remarks :	
No data availa	ble
Environmental exposure controls	
Technical measures to prevent ex	posure
Use the following filter types for a	cleaning waste gases :
No data availa	ıble
Use the following recovery and/or No data availa	abatement technique for cleaning waste gases : ble
Use the follwoing chemical treatm No data availa	

SECTION 9: Physical and chemical properties

Physical state	liquid
Color	black/ blue/ red/ green/ brown/ purple/ orange
	rose/ sepia/ light cool gray/ cool gray
Odour	odourless
pH	No data available
Melting point/freezing point	No data available
Initial boiling point and boiling range	about 100°C
Flash point	No data available
Evaporation rate	No data available
Flammability	No data available
Upper/lower flammability or explosive limits	No data available
Vapour pressure	No data available
Vapour density	No data available
Density	No data available
Solubility(ies)	Soluble
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidising properties	No data available

Reactivity :	No data available
Chemical stability :	The product is chemically stable under recommended conditions of storage, use and temperature.
Possibility of hazardius	reactions
In case of melting	:
	No data available
In case of vaporiz	ation :
	No data available
In case of freezing	:
	No data available
Condition to avoid	
In dry state :	
	No data available
In an isolated stat	e:
	No data available
In fine dispersion/	/spraying/misting :
	No data available
In case of warmin	g :
	No data available
In case of light inf	luence :
-	No data available
In case of impact	or pressure influence :
-	No data available
In case of air intal	ke :
	No data available
In case of exceeding	ng the storage time :
	No data available
In case of exceeding	ng the storage temperature :
	No data available
Incompatible materials	
Materials to avoid	
	No data available
Hazardous decomposit	ion products:
-	No data available
Additional information	
	No data available

SECTION 10: Stability and reactivity

SECTION 11: Toxicological information

This product is approved by ACMI (The Art & Creative Material Institute, Inc.), and carries the "AP" seal of non-toxic approval in USA.

SECTION 12: Ecological information

Hazardous to the aquatic environment-Acute hazard: No data available Hazardous to the aquatic environment-Chronic hazard: No data available Hazardous to the ozone layer : No data available Additional ecotoxicological information:

No data available

SECTION 13: Disposal considerations

Waste treatment methods

Product/packaging disposal

Properties of waste which render it hazardous :

No data available

Waste treatment option :

Appropriate disposal/Product

Dispose of waste according to applicable legislation.

Appropriate disposal/Package

No data available

Remarks :

Consult the appropriate local waste disposal expert about waste disposal.

SECTION 14: Transport information

UN number	
Land transport(ADR/RID)	Not applicable
Inland waterway transport(ADN)	Not applicable
Sea transportation(IMDG)	Not applicable
Air transportationICAO-TI/IATA-DGR	Not applicable
UN proper shipping name	
Land transport(ADR/RID)	Not applicable
Inland waterway transport(ADN)	Not applicable
Sea transportation(IMDG)	Not applicable
Air transportationICAO-TI/IATA-DGR	Not applicable
Transport hazard class(es)	
Land transport(ADR/RID)	Not applicable
Inland waterway transport(ADN)	Not applicable
Sea transportation(IMDG)	Not applicable
Air transportationICAO-TI/IATA-DGR	Not applicable
Packing group	
Land transport(ADR/RID)	Not applicable
Inland waterway transport(ADN)	Not applicable
Sea transportation(IMDG)	Not applicable
Air transportationICAO-TI/IATA-DGR	Not applicable
Environmental hazards	
Land transport(ADR/RID)	No data available
Inland waterway transport(ADN)	No data available
Sea transportation(IMDG)	No data available
Air transportationICAO-TI/IATA-DGR Transport in bulk according to	No data available
Transport in bulk according to MARPOI 73/78 and the IRC Code (Not applicable
Marine pollutant :	Not applicable

SECTION 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory : Not SNUR,ACTIVE;

National Toxicology Program (NTP) Report on Carcinogens-Substances listed : Not available

Agents classified by International Agency for Research on Cancer(IARC) monographs : CASNO:1333-86-4,Carbon black,2B ;

Occupational Safety and Health Act (OSHA) Standard related to carcinogens : Not available

Proposition65 Safe Drinking Water and Toxic Enforcement Act of 1986 :

CASNO:1333-86-4, Carbon black (airborne, unbound particles of respirable size), cancer ; CASNO:107-21-1, Ethylene glycol (ingested), developmental ;

Chemical Safety Assessment

No data available

SECTION 16: Other information

Date of preparation:

2021/11/9

Version number:

XSDK-BR211109US-2

Data sources:

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.



SDS Documents from Sakura of America - Important information

The Hazard Communication Standard (HCS) requires importers to provide Safety Data Sheets (SDSs) (formerly known as Material Safety Data Sheets or MSDSs) to communicate the hazards of hazardous chemical products. As of June 1, 2015, the HCS will require new SDSs to be in a uniform format, and include the section numbers, the headings, and associated information under the new headings.

SDSs that represent <u>non-hazardous chemicals are not covered by the HCS</u>. Paragraph 29 CFR 1910.1200(g)(8) of the standard requires that "the employer shall maintain in the workplace copies of the required SDSs for each hazardous chemical, and shall ensure that they are readily accessible during each work shift to employees when they are in their work area(s)." OSHA does not require nor encourage employers to maintain MSDSs for non-hazardous chemicals. Consequently, an employer is free to discard MSDSs for non-hazardous chemicals.

SDS are only required for materials that are <u>hazardous</u>. Often times, manufacturers are asked for MSDS's for products that do not meet this requirement - <u>manufacturers are under **no** obligation to produce SDS's for non-hazardous materials</u>. OSHA discourages the production of MSDS & SDS for non-hazardous materials.

An "article" means a manufactured item: (1) which is formed to a specific shape or design during manufacture (2) which has end use function(s) dependent in whole or in part upon its shape or design during end use; and (3) which does not release, or otherwise result in exposure to, a <u>hazardous chemical</u> under normal conditions of use. <u>Any product which meets the definition of an "article," would be exempt from the requirements of the Standard.</u>

The definition above has been amended to permit the release of "very small quantities, e.g., minute or trace amounts" of a <u>hazardous</u> chemical and still qualify as an article provided that a physical or health risk is not posed to the employees (59 F.R. 6146). In evaluating an article, one must consider the health risk which exposure to that article presents. (The term "risk" as opposed to "hazard" is used here, since the hazard is an inherent property of the chemical and exists no matter the quantity of exposure. To be exempted as an article, exposure must not pose a risk to employee health.)

Note that OSHA cannot make an across-the-board determination of a products' exclusion as an "article." The standard's definition by its very wording imposes the need to make case-by-case evaluations. Consequently, a blanket exemption for specific products cannot be given by OSHA.

The HCS exempts any <u>consumer product</u> or hazardous substance, as those terms are defined in the <u>Consumer Product Safety Act</u> (15 U.S.C. 2051 et seq.) and Federal Hazardous Substances Act (15 U.S.C. 1261 et seq.) respectively, where the employer can show that it is used in the workplace for the purpose intended by the chemical manufacturer or importer of the product, and the use results in a duration and frequency of exposure which is not greater than the range of exposures that could reasonably be experienced by consumers when used for the purpose intended.

According to the first OSHA interpretation listed below, "...clerical workers...**may not** be subject to the requirements of the HCS. Office workers who encounter hazardous chemicals only in isolated instances are not covered by the rule. The Occupational Safety and Health Administration (OSHA) considers most office products (such as pens, pencils, adhesive tape) to be exempt under the provisions of the rule, either as <u>articles</u> or as <u>consumer products</u>.

Page 2 of this memo lists the specific stock numbers which are covered under the attached SDS although not specifically noted on the SDS section 1.. Numbers listed on this 2nd page which are not noted on the SDS are due to packaging variations (i.e. blister cards, sets) but the individual contents of these packaging variations are within the SDS.

All products offered by Sakura of America are considered either a) articles b) office products and/or c) consumer products and are exempted from the requirements of the Standard(s) and do not require SDS (unless otherwise noted)

Nonetheless, some downstream clients may insist on an SDS even when one is not required. In such cases, OSHA has suggested providing a written statement such as "*This product is not considered to be or to contain hazardous chemicals based on evaluations made by our company under the OSHA Hazard Communication Standard, <u>29 CFR 1910.1200</u>." This gives the requesting party something that they can put in their files and saves the manufacture<u>r</u> from needless work.*

For more information refer to: https://www.osha.gov/html/faq-hazcom.html

SAFETY DATA SHEET 2nd Page Cover Letter Product listing

Γ	stock #	description
F	XSDK1-49	GRAPHIC 1 PEN 1MM - BLACK
F	XSDK1-36	GRAPHIC 1 PEN 1MM - BLUE
Ē	XSDK1-19	GRAPHIC 1 PEN 1MM - RED
	XSDK1-117	GRAPHIC 1 PEN 1MM - SEPIA
	16.251-65	
	38181	BC, GRAPHIC 1 PEN 1MM - BLACK
	38881	BC, GRAPHIC 3 PK - BLACK
		1 each 1MM, 2MM, 3MM
	50044	BC, GRAPHIC 1 PEN 1MM - SEPIA
L	50040	BC, DRAWING 4 PC SET - SEPIA
	Consists of:	1 each Brush; Micron 01; Micron 05; Graphic 1MM
L	30067	BC, PIGMA ALL BLACK 8 PC SET
	Consists of:	1 each 005, 01, 02, 03, 05, 08, 1MM, BRUSH
	50076	SET, PIGMA ALL BLACK CUBE COLLECTION 16 PC
	Consists of:	Brush: 2 each; Graphic: 2 each 1MM; 1 each 2MM, 3MM
	1.00	Micron: 3 each 05; 2 each 01, 08; 1 each 005, 02, 03
	50053	BC, GRAPHIC 1 PEN 1MM 3 PK - BLACK
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SAFETY DATA SHEET

(Required under OSHA's Hazard Communication Standard 29 CFR 1910.1200)

Section 1. Identification	
Manufacturer's Name:	Telephone Number:
Sakura Color Products Corporation	+81 (0)6 - 6910 - 8824 (Japan)
Address:	FAX Number:
1-6-20, Morinomiya Chuo, Chuo-ku, Osaka, 540-8508 Japan	+81 (0)6 - 6910 - 8834 (Japan)
Product Name:	
PIGMA GRAPHIC 1 PEN 1MM: Black(XSDK1-49), Blue(XSDK1	-36), Red(XSDK1-19), Sepia(XSDK1-117)
Section 2. Hazard(S) identification	
This product is approved by ACMI (The Art & Creative Material I	
an	d carries the "AP" seal of non-toxic approval in USA
This product is not considered hazardous in normal use as requ	ired under OSHA's
Haza	rdous Communication Standard 29 CFR 1910.120
Section 3. Composition / information on ingredients	
Ethylene glycol (107-21-1), 2-Butoxyethanol (111-76-2), Carbo	n black(1333-86-4), Resin, Pigment, Additive
Section 4. First-Aid measures	
Inhalation : If he/she has subjective and objective sympton	ms, move him/her to a place fresh air,
	and consult a doctor.
 Skin Contact : Wash with soap and water. 	
Eye Contact : Wash the eyes immediately with large amount	s of running water for over 15 minutes.
,	and see a doctor for medical advice.
Ingestion : If the victim stops breathing, wipe away any re	
	clear the airway and administer artificial respiration.
Section 5. Fire-fighting measures	······································
	e water spray, foam or dry chemical powder.
·For safety reasons unsuitable extinguishing media : None	e water spray, toan of dry chemical powder.
	rea required
Protective equipment : No special measu	res required
Section 6. Accidental release measure	
Person-related safety precautions : No relevant inform	nation found.
·Measures for environmental protection : No relevant inform	nation found.
 Measures for cleaning/collecting : The ink is not spilled so that 	t it soaked into the ink reservoir by normal handling
Section 7. Handling and storage	
·Handling : In the case of stuck to the skin, rinse with runr	
•Storage : Avoid high temperature, fire, direct rays of the	sun, and a powerful oxidizing agent.
Section 8. Exposure controls / personal protection	
General protective and hygienic measures: Unnecessary in no	
·Breathing equipment : Unnecessary in normal use	
Protection of hands : Unnecessary in normal use	
Protection of hands : Unnecessary in normal use Eye protection : Unnecessary in normal use Skin protection : Unnecessary in normal use	

Section 9. Physical and chemical properties for Ink

 Boiling point / boiling range 	: about 100 °C
 Flash point 	: No data
 Melting point 	: No data
•Solubility:	
water solubility	: Soluble (except pigments)
fat solubility (solvent –	oil to be specified) : Insoluble
 Relative density 	: 1 < g/cm ³ (at 25°C)

Section 10. Stability and reactivity

 Conditions to avoided: High temperature, Direct sunlight, Fire
 Materials to avoided: Strong acid and base
 Hazardous decomposition products: No dangerous decomposition products known

Section 11. Toxicological information

This product is approved by ACMI (The Art & Creative Material Institute, Inc.),

and carries the "AP" seal of non-toxic approval in USA.

Section 12. Ecological information

No relevant information found.

Section 13. Ecological information

Incinerate under safe conditions or dispose of in accordance with local regulations.

Section 14. Transport information

·DOT : Not applicable

·IATA : Not applicable

·IMO : Not applicable

Section 15. Regulatory information

TSCA : The product listed on Safety Data Sheet is not listed on Toxic Substances Control Act Inventory. All ingredients used to manufacture this product are listed on TSCA Inventory.

Section 16. Other information, including date of preparation or last revision.

HMIS Code:

Health - 1 Flammability – 0 Reactivity - 0 Personal Protection - N.A.

Date of revision: December 6, 2017

This information herein is given good faith, but no warranty, expressed or implied is made. December 06, 2017



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Note that OSHA cannot make an across-the-board determination of a products' exclusion as an "article." The standard's definition by its very wording imposes the need to make case-by-case evaluations. Consequently, a blanket exemption for specific products cannot be given by OSHA.

The HCS exempts any <u>consumer product</u> or hazardous substance, as those terms are defined in the <u>Consumer Product Safety Act</u> (15 U.S.C. 2051 et seq.) and Federal Hazardous Substances Act (15 U.S.C. 1261 et seq.) respectively, where the employer can show that it is used in the workplace for the purpose intended by the chemical manufacturer or importer of the product, and the use results in a duration and frequency of exposure which is not greater than the range of exposures that could reasonably be experienced by consumers when used for the purpose intended.

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Page 2 of this memo lists the specific stock numbers which are covered under the attached SDS although not specifically noted on the SDS section 1.. Numbers listed on this 2nd page which are not noted on the SDS are due to packaging variations (i.e. blister cards, sets) but the individual contents of these packaging variations are within the SDS.

All products offered by Sakura of America are considered either a) articles b) office products and/or c) consumer products and are exempted from the requirements of the Standard(s) and do not require SDS (unless otherwise noted)

Nonetheless, some downstream clients may insist on an SDS even when one is not required. In such cases, OSHA has suggested providing a written statement such as "*This product is not considered to be or to contain hazardous chemicals based on evaluations made by our company under the OSHA Hazard Communication Standard, <u>29 CFR 1910.1200</u>." This gives the requesting party something that they can put in their files and saves the manufacture<u>r</u> from needless work.*

For more information refer to: https://www.osha.gov/html/faq-hazcom.html

SAFETY DATA SHEET 2nd Page Cover Letter Product listing

Γ	stock #	description
Γ	XSDK2-49	GRAPHIC 2 PEN 2MM - BLACK
Γ	the second se	
	38281	BC, GRAPHIC 2 PEN 2MM - BLACK
Γ	38881	BC, GRAPHIC 3 PK - BLACK
	Consists of:	1 each 1MM, 2MM, 3MM
	50076	SET, PIGMA ALL BLACK CUBE COLLECTION 16 PC
	Consists of:	Brush: 2 each; Graphic: 2 each 1MM; 1 each 2MM, 3MM
	25.2	Micron: 3 each 05; 2 each 01, 08; 1 each 005, 02, 03
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SAFETY DATA SHEET

(Required under OSHA's Hazard Communication Standard 29 CFR 1910.1200)

XSDK2) Section 1. Identification		Page 1 of 2
Manufacturer's Name:		Telephone Number:
Sakura Color Produc	ts Corporation	+81 (0)6 - 6910 - 8824 (Japan)
Address:		FAX Number:
	Chuo-ku, Osaka, 540-8508 Japan	+81 (0)6 - 6910 - 8834 (Japan)
Product Name:		
PIGMA GRAPHIC 2 PEN 2	MM : Black(XSDK2-49)	
Section 2. Hazard(S) identifica	ation	
This product is approved by	ACMI (The Art & Creative Material I	
		d carries the "AP" seal of non-toxic approval in USA
This product is not consider	ed hazardous in normal use as requ	
	Haza	rdous Communication Standard 29 CFR 1910.1200
Section 3. Composition / inform	mation on ingredients	
Ethylene glycol (107-21-1)	, Carbon black(1333-86-4), Resin, P	igment, Additive
Section 4. First-Aid measures		
Inhalation : If he/she h	has subjective and objective symptor	ns, move him/her to a place fresh air,
		and consult a doctor.
 Skin Contact : Wash with 	soap and water.	
•Eye Contact : Wash the	eyes immediately with large amount	s of running water for over 15 minutes,
		and see a doctor for medical advice.
Ingestion : If the victir	m stops breathing, wipe away any re	maining material in the mouth and
	C	clear the airway and administer artificial respiration.
Section 5. Fire-fighting measu		
Section 5. Fire-fighting measu ·Suitable extinguishing me	res	e water spray, foam or dry chemical powder.
·Suitable extinguishing me	res	water spray, foam or dry chemical powder.
	res dia : In case of fire, use	
Suitable extinguishing me For safety reasons unsuita	res dia : In case of fire, use able extinguishing media : None	
Suitable extinguishing me For safety reasons unsuita	res dia : In case of fire, use able extinguishing media : None : No special measu	
Suitable extinguishing me For safety reasons unsuita Protective equipment	res dia : In case of fire, use able extinguishing media : None : No special measu measure	res required
Suitable extinguishing me For safety reasons unsuita Protective equipment Section 6. Accidental release	res dia : In case of fire, use able extinguishing media : None : No special measu measure cautions : No relevant inform	res required
Suitable extinguishing me For safety reasons unsuita Protective equipment Section 6. Accidental release Person-related safety prec Measures for environment	res dia : In case of fire, use able extinguishing media : None : No special measu measure cautions : No relevant inform tal protection : No relevant inform	res required nation found. nation found.
Suitable extinguishing me For safety reasons unsuita Protective equipment Section 6. Accidental release Person-related safety prec Measures for environment Measures for cleaning/col Section 7. Handling and storage	res dia : In case of fire, use able extinguishing media : None : No special measu measure cautions : No relevant inform tal protection : No relevant inform lecting : The ink is not spilled so tha ge	res required nation found. nation found. t it soaked into the ink reservoir by normal handling
Suitable extinguishing me For safety reasons unsuita Protective equipment Section 6. Accidental release r Person-related safety prec Measures for environment Measures for cleaning/col Section 7. Handling and storag Handling : In the case	res dia : In case of fire, use able extinguishing media : None : No special measu measure cautions : No relevant inform tal protection : No relevant inform lecting : The ink is not spilled so tha ge e of stuck to the skin, rinse with runr	res required nation found. t it soaked into the ink reservoir by normal handling ning water and soap.
Suitable extinguishing me For safety reasons unsuita Protective equipment Section 6. Accidental release r Person-related safety prec Measures for environment Measures for cleaning/col Section 7. Handling and storag Handling : In the case	res dia : In case of fire, use able extinguishing media : None : No special measu measure cautions : No relevant inform tal protection : No relevant inform lecting : The ink is not spilled so tha ge e of stuck to the skin, rinse with runr	res required nation found. nation found. t it soaked into the ink reservoir by normal handling
Suitable extinguishing me For safety reasons unsuita Protective equipment Section 6. Accidental release Person-related safety prec Measures for environment Measures for cleaning/col Section 7. Handling and storag Handling : In the case Storage : Avoid high Section 8. Exposure controls /	res dia : In case of fire, use able extinguishing media : None : No special measu measure cautions : No relevant inform tal protection : No relevant inform lecting : The ink is not spilled so tha ge e of stuck to the skin, rinse with runn n temperature, fire, direct rays of the f personal protection	res required nation found. t it soaked into the ink reservoir by normal handling ning water and soap. sun, and a powerful oxidizing agent.
Suitable extinguishing me For safety reasons unsuita Protective equipment Section 6. Accidental release i Person-related safety pred Measures for environment Measures for cleaning/col Section 7. Handling and storag Handling : In the case Storage : Avoid high Section 8. Exposure controls / General protective and hy	res dia : In case of fire, use able extinguishing media : None : No special measu measure cautions : No relevant inform tal protection : No relevant inform lecting : The ink is not spilled so tha ge e of stuck to the skin, rinse with runn a temperature, fire, direct rays of the personal protection gienic measures : Unnecessary in no	res required nation found. t it soaked into the ink reservoir by normal handling ning water and soap. sun, and a powerful oxidizing agent.
Suitable extinguishing me For safety reasons unsuita Protective equipment Section 6. Accidental release Person-related safety prec Measures for environment Measures for cleaning/col Section 7. Handling and storag Handling : In the case Storage : Avoid high Section 8. Exposure controls / General protective and hy Breathing equipment	res dia : In case of fire, use able extinguishing media : None : No special measu measure cautions : No relevant inform tal protection : No relevant inform lecting : The ink is not spilled so tha ge e of stuck to the skin, rinse with runr a temperature, fire, direct rays of the personal protection gienic measures : Unnecessary in no : Unnecessary in normal use	res required nation found. t it soaked into the ink reservoir by normal handling ning water and soap. sun, and a powerful oxidizing agent.
Suitable extinguishing me For safety reasons unsuita Protective equipment Section 6. Accidental release i Person-related safety prec Measures for environment Measures for cleaning/col Section 7. Handling and storag Handling : In the case Storage : Avoid high Section 8. Exposure controls / General protective and hy Breathing equipment Protection of hands	res dia : In case of fire, use able extinguishing media : None : No special measu measure cautions : No relevant inform tal protection : No relevant inform lecting : The ink is not spilled so tha ge e of stuck to the skin, rinse with runr h temperature, fire, direct rays of the ' personal protection gienic measures : Unnecessary in normal use : Unnecessary in normal use	res required nation found. nation found. t it soaked into the ink reservoir by normal handling ning water and soap. sun, and a powerful oxidizing agent.
Suitable extinguishing me For safety reasons unsuita Protective equipment Section 6. Accidental release Person-related safety prec Measures for environment Measures for cleaning/col Section 7. Handling and storag Handling : In the case Storage : Avoid high Section 8. Exposure controls / General protective and hy Breathing equipment	res dia : In case of fire, use able extinguishing media : None : No special measu measure cautions : No relevant inform tal protection : No relevant inform lecting : The ink is not spilled so tha ge e of stuck to the skin, rinse with runr a temperature, fire, direct rays of the personal protection gienic measures : Unnecessary in no : Unnecessary in normal use	res required hation found. t it soaked into the ink reservoir by normal handling hing water and soap. sun, and a powerful oxidizing agent.

Section 9. Physical and chemical properties for Ink

 Boiling point / boiling range 	: about 100 °C
 Flash point 	: No data
Melting point	: No data
•Solubility:	
water solubility	: Soluble (except pigments)
fat solubility (solvent – o	il to be specified) : Insoluble
 Relative density 	: 1 < g/cm ³ (at 25°C)

Section 10. Stability and reactivity

 Conditions to avoided: High temperature, Direct sunlight, Fire
 Materials to avoided: Strong acid and base
 Hazardous decomposition products: No dangerous decomposition products known

Section 11. Toxicological information

This product is approved by ACMI (The Art & Creative Material Institute, Inc.),

and carries the "AP" seal of non-toxic approval in USA.

Section 12. Ecological information

No relevant information found.

Section 13. Ecological information

Incinerate under safe conditions or dispose of in accordance with local regulations.

Section 14. Transport information

·DOT : Not applicable

·IATA : Not applicable

·IMO : Not applicable

Section 15. Regulatory information

TSCA : The product listed on Safety Data Sheet is not listed on Toxic Substances Control Act Inventory. All ingredients used to manufacture this product are listed on TSCA Inventory.

Section 16. Other information, including date of preparation or last revision.

HMIS Code:

Health - 1 Flammability – 0 Reactivity - 0 Personal Protection - N.A.

Date of revision: December 6, 2017

This information herein is given good faith, but no warranty, expressed or implied is made. De



SDS Documents from Sakura of America - Important information

The Hazard Communication Standard (HCS) requires importers to provide Safety Data Sheets (SDSs) (formerly known as Material Safety Data Sheets or MSDSs) to communicate the hazards of hazardous chemical products. As of June 1, 2015, the HCS will require new SDSs to be in a uniform format, and include the section numbers, the headings, and associated information under the new headings.

SDSs that represent <u>non-hazardous chemicals are not covered by the HCS</u>. Paragraph 29 CFR 1910.1200(g)(8) of the standard requires that "the employer shall maintain in the workplace copies of the required SDSs for each hazardous chemical, and shall ensure that they are readily accessible during each work shift to employees when they are in their work area(s)." OSHA does not require nor encourage employers to maintain MSDSs for non-hazardous chemicals. Consequently, an employer is free to discard MSDSs for non-hazardous chemicals.

SDS are only required for materials that are <u>hazardous</u>. Often times, manufacturers are asked for MSDS's for products that do not meet this requirement - <u>manufacturers are under **no** obligation to produce SDS's for non-hazardous materials</u>. OSHA discourages the production of MSDS & SDS for non-hazardous materials.

An "article" means a manufactured item: (1) which is formed to a specific shape or design during manufacture (2) which has end use function(s) dependent in whole or in part upon its shape or design during end use; and (3) which does not release, or otherwise result in exposure to, a <u>hazardous chemical</u> under normal conditions of use. <u>Any product which meets the definition of an "article," would be exempt from the requirements of the Standard.</u>

The definition above has been amended to permit the release of "very small quantities, e.g., minute or trace amounts" of a <u>hazardous</u> chemical and still qualify as an article provided that a physical or health risk is not posed to the employees (59 F.R. 6146). In evaluating an article, one must consider the health risk which exposure to that article presents. (The term "risk" as opposed to "hazard" is used here, since the hazard is an inherent property of the chemical and exists no matter the quantity of exposure. To be exempted as an article, exposure must not pose a risk to employee health.)

Note that OSHA cannot make an across-the-board determination of a products' exclusion as an "article." The standard's definition by its very wording imposes the need to make case-by-case evaluations. Consequently, a blanket exemption for specific products cannot be given by OSHA.

The HCS exempts any <u>consumer product</u> or hazardous substance, as those terms are defined in the <u>Consumer Product Safety Act</u> (15 U.S.C. 2051 et seq.) and Federal Hazardous Substances Act (15 U.S.C. 1261 et seq.) respectively, where the employer can show that it is used in the workplace for the purpose intended by the chemical manufacturer or importer of the product, and the use results in a duration and frequency of exposure which is not greater than the range of exposures that could reasonably be experienced by consumers when used for the purpose intended.

According to the first OSHA interpretation listed below, "...clerical workers...**may not** be subject to the requirements of the HCS. Office workers who encounter hazardous chemicals only in isolated instances are not covered by the rule. The Occupational Safety and Health Administration (OSHA) considers most office products (such as pens, pencils, adhesive tape) to be exempt under the provisions of the rule, either as <u>articles</u> or as <u>consumer products</u>.

Page 2 of this memo lists the specific stock numbers which are covered under the attached SDS although not specifically noted on the SDS section 1.. Numbers listed on this 2nd page which are not noted on the SDS are due to packaging variations (i.e. blister cards, sets) but the individual contents of these packaging variations are within the SDS.

All products offered by Sakura of America are considered either a) articles b) office products and/or c) consumer products and are exempted from the requirements of the Standard(s) and do not require SDS (unless otherwise noted)

Nonetheless, some downstream clients may insist on an SDS even when one is not required. In such cases, OSHA has suggested providing a written statement such as "*This product is not considered to be or to contain hazardous chemicals based on evaluations made by our company under the OSHA Hazard Communication Standard, <u>29 CFR 1910.1200</u>." This gives the requesting party something that they can put in their files and saves the manufacture<u>r</u> from needless work.*

For more information refer to: https://www.osha.gov/html/faq-hazcom.html

SAFETY DATA SHEET 2nd Page Cover Letter Product listing

	stock #	description
Γ	XSDK3-49	GRAPHIC 3 PEN 3MM - BLACK
Γ	the second s	Here's a concernence of the second
	38381	BC, GRAPHIC 3 PEN 3MM - BLACK
	38881	BC, GRAPHIC 3 PK - BLACK
	Consists of:	1 each 1MM, 2MM, 3MM
	50076	SET, PIGMA ALL BLACK CUBE COLLECTION 16 PC
	Consists of:	Brush: 2 each; Graphic: 2 each 1MM; 1 each 2MM, 3MM
Į.	25.7	Micron: 3 each 05; 2 each 01, 08; 1 each 005, 02, 03
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SAFETY DATA SHEET

(Required under OSHA's Hazard Communication Standard 29 CFR 1910.1200)

Section 1. Identification	
Manufacturer's Name:	Telephone Number:
Sakura Color Products Corporation	+81 (0)6 - 6910 - 8824 (Japan)
Address:	FAX Number:
1-6-20, Morinomiya Chuo, Chuo-ku, Osaka, 540-8508 Japan	+81 (0)6 - 6910 - 8834 (Japan)
Product Name:	
PIGMA GRAPHIC 3 PEN 3MM: Black(XSDK3-49)	
Section 2. Hazard(S) identification	
This product is approved by ACMI (The Art & Creative Material I	nstitute, Inc.),
and	d carries the "AP" seal of non-toxic approval in USA
This product is not considered hazardous in normal use as requ	ired under OSHA's
Haza	rdous Communication Standard 29 CFR 1910.1200
Section 3. Composition / information on ingredients	
Ethylene glycol (107-21-1), Carbon black(1333-86-4), Resin, P	igment, Additive
Section 4. First-Aid measures	
 Inhalation : If he/she has subjective and objective symptor 	ns, move him/her to a place fresh air,
	and consult a doctor.
 Skin Contact : Wash with soap and water. 	
•Eye Contact : Wash the eyes immediately with large amount	s of running water for over 15 minutes,
	and see a doctor for medical advice.
Ingestion : If the victim stops breathing, wipe away any re	maining material in the mouth and
C	clear the airway and administer artificial respiration.
Section 5. Fire-fighting measures	
•Suitable extinguishing media : In case of fire, use	e water spray, foam or dry chemical powder.
 For safety reasons unsuitable extinguishing media : None 	
Protective equipment : No special measu	res required
Section 6. Accidental release measure	
•Person-related safety precautions : No relevant inform	
•Measures for environmental protection : No relevant inform	
 Measures for cleaning/collecting : The ink is not spilled so that 	t it soaked into the ink reservoir by normal handling
Section 7. Handling and storage	
·Handling : In the case of stuck to the skin, rinse with runn	o
•Storage : Avoid high temperature, fire, direct rays of the	sun, and a powerful oxidizing agent.
Section 8. Exposure controls / personal protection	
	ormal use
·General protective and hygienic measures: Unnecessary in no	
Breathing equipment : Unnecessary in normal use	
•Breathing equipment : Unnecessary in normal use •Protection of hands : Unnecessary in normal use	
Breathing equipment : Unnecessary in normal use	

Section 9. Physical and chemical properties for Ink

 Boiling point / boiling range 	: about 100 °C
 Flash point 	: No data
Melting point	: No data
•Solubility:	
water solubility	: Soluble (except pigments)
fat solubility (solvent – o	il to be specified) : Insoluble
 Relative density 	: 1 < g/cm ³ (at 25°C)

Section 10. Stability and reactivity

 Conditions to avoided: High temperature, Direct sunlight, Fire
 Materials to avoided: Strong acid and base
 Hazardous decomposition products: No dangerous decomposition products known

Section 11. Toxicological information

This product is approved by ACMI (The Art & Creative Material Institute, Inc.),

and carries the "AP" seal of non-toxic approval in USA.

Section 12. Ecological information

No relevant information found.

Section 13. Ecological information

Incinerate under safe conditions or dispose of in accordance with local regulations.

Section 14. Transport information

·DOT : Not applicable

·IATA : Not applicable

·IMO : Not applicable

Section 15. Regulatory information

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Section 16. Other information, including date of preparation or last revision.

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December 06, 2017