

SAFETY DATA SHEET (SDS)



Jacquard Products
Manufactured by Rupert, Gibbon & Spider, Inc.
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Revision Date: 03/17/2021

This SDS Sheet covers the following Jacquard products:

Item Number:	Item Name:
JAC9916, JAC9917, JAC9918, JAC9919	Piñata Exciter Packs

These products contain the following components:

Item Number:	Item Name:	SDS Page Reference:
002, 003, 004, 005, 006, 007, 008, 009, 011, 013, 015, 016, 017, 019, 020, 021, 023, 025, 027, 029, 030, 031, 033, 036	PIÑATA ALCOHOL INKS - Standard Colors	PIÑATA Standard Colors Pages 1-12
032, 034, 035	PIÑATA ALCOHOL INKS - Metallic Colors	PIÑATA Metallic Colors Pages 1-10



SAFETY DATA SHEET

US

1. Identification

Product identifier	PIÑATA ALCOHOL INKS - Standard Colors
Other means of identification	
Product code	002, 003, 004, 005, 006, 007, 008, 009, 011, 013, 015, 016, 017, 019, 020, 021, 023, 025, 027, 029, 030, 031, 033, 036
Recommended use	Arts & crafts.
Recommended restrictions	All other uses.
Manufacturer/Importer/Supplier/Distributor information	
Manufacturer	Jacquard Products Rupert, Gibbon & Spider, Inc. 1147 Healdsburg Ave. Healdsburg, CA 95448 USA
Telephone number	1-800-442-0455 / 1-707-433-9577
Fax	1-707-433-4906
Website	www.jacquardproducts.com
E-mail	service@jacquardproducts.com
Emergency telephone number	ChemTel, Inc. - Contract #MIS9128344 N.America: 1-800-255-3924 International: 1-813-248-0585

2. Hazard(s) identification

Physical hazards	Flammable liquids	Category 2
Health hazards	Serious eye damage/eye irritation	Category 2
OSHA defined hazards	Not classified.	
Label elements		



Signal word	Danger
Hazard statement	Highly flammable liquid and vapor. Causes serious eye irritation.
Precautionary statement	
Prevention	Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Wear eye protection.
Response	If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. In case of fire: Use appropriate media to extinguish.
Storage	Store in a well-ventilated place. Keep cool.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazard(s) not otherwise classified (HNOC)	None known.
Supplemental information	None.

3. Composition/information on ingredients

Mixtures

Chemical name	CAS number	%
Ethanol	64-17-5	50 - 70
Propyl acetate	109-60-4	1 - 5
Propan-2-ol	67-63-0	1 - 5
Ethylene glycol monopropyl ether	2807-30-9	10 - 15
Titanium dioxide	13463-67-7	0 - 15
isopropyl acetate	108-21-4	0 - 6.2
Solvent blue 70	12237-24-0	0 - <5
Solvent orange 62	67352-37-8	0 - <5
Diacetone alcohol	123-42-2	0 - <3
Basic yellow 37	6358-36-7	0 - <2.5
Solvent red 119	12237-27-3	0 - <2.5
Solvent red 49	509-34-2	0 - <2.5

4. First-aid measures

Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact	Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical attention if irritation develops and persists.
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
Ingestion	Rinse mouth. Get medical attention if symptoms occur.
Most important symptoms/effects, acute and delayed	Headache. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Coughing.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
General information	Take off all contaminated clothing immediately. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

5. Fire-fighting measures

Suitable extinguishing media	Water fog. Alcohol resistant foam. Dry chemical powder. Carbon dioxide (CO ₂).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	Highly flammable liquid and vapor.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
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Methods and materials for containment and cleaning up

Use water spray to reduce vapors or divert vapor cloud drift. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Take precautionary measures against static discharge. Use only non-sparking tools.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.

Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. Avoid discharge into drains, water courses or onto the ground.

Environmental precautions**7. Handling and storage****Precautions for safe handling**

Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. When using do not smoke. Explosion-proof general and local exhaust ventilation. Take precautionary measures against static discharges. Use non-sparking tools and explosion-proof equipment. Avoid contact with eyes. Avoid prolonged exposure. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Keep away from heat, sparks and open flame. Store in a cool, dry place out of direct sunlight. Store in tightly closed container. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection**Occupational exposure limits****US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

Components	Type	Value	Form
Diacetone alcohol (CAS 123-42-2)	PEL	240 mg/m ³	
		50 ppm	
Ethanol (CAS 64-17-5)	PEL	1900 mg/m ³	
		1000 ppm	
isopropyl acetate (CAS 108-21-4)	PEL	950 mg/m ³	
		250 ppm	
Propan-2-ol (CAS 67-63-0)	PEL	980 mg/m ³	
		400 ppm	
Propyl acetate (CAS 109-60-4)	PEL	840 mg/m ³	
		200 ppm	
Titanium dioxide (CAS 13463-67-7)	PEL	15 mg/m ³	Total dust.

US. ACGIH Threshold Limit Values

Components	Type	Value
Diacetone alcohol (CAS 123-42-2)	TWA	50 ppm
Ethanol (CAS 64-17-5)	STEL	1000 ppm
isopropyl acetate (CAS 108-21-4)	STEL	150 ppm
	TWA	100 ppm
Propan-2-ol (CAS 67-63-0)	STEL	400 ppm
	TWA	200 ppm
Propyl acetate (CAS 109-60-4)	STEL	150 ppm
	TWA	100 ppm

US. ACGIH Threshold Limit Values

Components	Type	Value
Titanium dioxide (CAS 13463-67-7)	TWA	10 mg/m3

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
Diacetone alcohol (CAS 123-42-2)	TWA	240 mg/m3
		50 ppm
Ethanol (CAS 64-17-5)	TWA	1900 mg/m3
		1000 ppm
Propan-2-ol (CAS 67-63-0)	STEL	1225 mg/m3
		500 ppm
	TWA	980 mg/m3
		400 ppm
Propyl acetate (CAS 109-60-4)	STEL	1050 mg/m3
		250 ppm
	TWA	840 mg/m3
		200 ppm

Biological limit values**ACGIH Biological Exposure Indices**

Components	Value	Determinant	Specimen	Sampling Time
Propan-2-ol (CAS 67-63-0)	40 mg/l	Acetone	Urine	*

* - For sampling details, please see the source document.

Appropriate engineering controls

Explosion-proof general and local exhaust ventilation. Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station and safety shower.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin protection

Hand protection Wear appropriate chemical resistant gloves.

Skin protection

Other Wear suitable protective clothing.

Respiratory protection

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties**Appearance**

Physical state Liquid.

Form Liquid.

Color Various.

Odor Alcoholic.

pH Neutral

Melting point/freezing point Not determined.

Initial boiling point and boiling range	> 95 °F (> 35 °C)
Flash point	57.2 °F (14.0 °C)
Evaporation rate	No data available
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	3.3 (Ethanol)
Flammability limit - upper (%)	19 (Ethanol)
Vapor pressure	57.3 hPa (19.6°C) (Ethanol)
Vapor density	Not determined.
Relative density	Not determined.
Solubility(ies)	
Solubility (water)	Not miscible or difficult to mix.
Partition coefficient (n-octanol/water)	Not applicable, product is a mixture.
Auto-ignition temperature	685.4 °F (363 °C) (Ethanol)
Decomposition temperature	Not determined.
Other information	
Kinematic viscosity	Not determined.
Particle size	Not applicable, material is a liquid.

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Inhalation	Prolonged inhalation may be harmful.
Skin contact	Components of the product may be absorbed into the body through the skin.
Eye contact	Causes serious eye irritation.
Ingestion	May be harmful if swallowed. However, ingestion is not likely to be a primary route of occupational exposure.

Symptoms related to the physical, chemical and toxicological characteristics Headache. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Coughing.

Information on toxicological effects

Acute toxicity May be harmful if swallowed.

Components	Species	Test Results
Basic yellow 37 (CAS 6358-36-7)		
Acute		
Dermal		
LD50	Rat	> 2000 mg/kg bw/day
Oral		
LD50	Rat	50 - 300 mg/kg bw/day

Components	Species	Test Results
		300 mg/kg
Diacetone alcohol (CAS 123-42-2)		
<u>Acute</u>		
Dermal		
LD0	Rat	> 1875 mg/kg bw/day
Inhalation		
LC0	Rat	7600 mg/m ³
Oral		
LD50	Rat	3002 mg/kg
Ethanol (CAS 64-17-5)		
<u>Acute</u>		
Dermal		
LD50	Rat	> 2000 mg/kg
Inhalation		
<i>Vapor</i>		
LC50	Mouse	39 g/m ³ , 4 Hours
Oral		
LD50	Rat	7000 - 11000 mg/kg
Ethylene glycol monopropyl ether (CAS 2807-30-9)		
<u>Acute</u>		
Dermal		
LD50	Rabbit	1300 mg/kg
Inhalation		
<i>Vapor</i>		
LC50	Rat	> 2132 ppm, 6 hours
Oral		
LD50	Mouse	1774 mg/kg
	Rat	3089 mg/kg
isopropyl acetate (CAS 108-21-4)		
<u>Acute</u>		
Dermal		
LD50	Rabbit	> 17.4 mg/kg
Inhalation		
<i>Vapor</i>		
LC50	Rat	50600 mg/m ³ , 8 Hours
Oral		
LD50	Rat	6750 mg/kg
Propan-2-ol (CAS 67-63-0)		
<u>Acute</u>		
Dermal		
LD50	Rabbit	12870 mg/kg
Inhalation		
<i>Vapor</i>		
LC50	Rat	72.6 mg/l, 4 hours
Oral		
LD50	Rat	4710 mg/kg
Propyl acetate (CAS 109-60-4)		
<u>Acute</u>		
Dermal		
LD50	Rabbit	> 17800 mg/kg, 24 Hours

Components	Species	Test Results
Inhalation		
<i>Vapor</i>		
LC50	Rat	32 mg/l, 4 Hours
Oral		
LD50	Rat	8700 mg/kg
Solvent orange 62 (CAS 67352-37-8)		
Acute		
Oral		
LD50	Rat	> 5000 mg/kg bw/day, 14 day
Solvent red 119 (CAS 12237-27-3)		
Acute		
Oral		
<i>Solid</i>		
LD50		2000 mg/kg bw/day
Solvent red 49 (CAS 509-34-2)		
Acute		
Dermal		
LD50	Rabbit	4095 mg/kg bw/day
Oral		
LD50	Rat	1185 mg/kg bw/day
Titanium dioxide (CAS 13463-67-7)		
Acute		
Oral		
LD50	Rat	> 5000 mg/kg
Skin corrosion/irritation	Prolonged skin contact may cause temporary irritation.	
Serious eye damage/eye irritation	Causes serious eye irritation.	
Respiratory or skin sensitization		
Respiratory sensitization	Not a respiratory sensitizer.	
Skin sensitization	This product is not expected to cause skin sensitization.	
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.	
Carcinogenicity	Not classifiable as to carcinogenicity to humans.	
IARC Monographs. Overall Evaluation of Carcinogenicity		
Propan-2-ol (CAS 67-63-0)	3 Not classifiable as to carcinogenicity to humans.	
Titanium dioxide (CAS 13463-67-7)	2B Possibly carcinogenic to humans.	
NTP Report on Carcinogens		
Not listed.		
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)		
Not listed.		
Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.	
Specific target organ toxicity - single exposure	Not classified.	
Specific target organ toxicity - repeated exposure	Not classified.	
Aspiration hazard	Not an aspiration hazard.	
Chronic effects	Prolonged inhalation may be harmful.	
Further information	Ethanol is metabolized to acetaldehyde and acetic acid which in large quantities result in metabolic acidosis and CNS depression.	

12. Ecological information

Ecotoxicity

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Components		Species	Test Results
Basic yellow 37 (CAS 6358-36-7)			
Aquatic			
<i>Acute</i>			
Crustacea	EC50	Water flea (Daphnia magna)	0.016 mg/l, 48 h
Fish	LC50	Zebra danio (Danio rerio)	0.625 mg/l, 96 h
Diacetone alcohol (CAS 123-42-2)			
Aquatic			
<i>Acute</i>			
Crustacea	EC50	Daphnia magna	> 1000 mg/l, 48 hours
Fish	LC50	Oryzias latipes	> 100 mg/l, 96 hours
Ethanol (CAS 64-17-5)			
Aquatic			
<i>Acute</i>			
Crustacea	LC50	Ceriodaphnia dubia	5012 mg/l, 48 hours
		Daphnia magna	454 mg/l, 11 days
Fish	LC50	Pimephales promelas	13480 mg/l, 96 hours
<i>Chronic</i>			
Crustacea	NOEC	Ceriodaphnia dubia	9.6 mg/l, 10 days
Ethylene glycol monopropyl ether (CAS 2807-30-9)			
<i>Chronic</i>			
	NOEC	Selenastrum capricornutum (Pseudokirchnerella subcapitata)	125 mg/l, 7 days
Aquatic			
<i>Acute</i>			
Fish	LC50	Pimephales promelas	4926 mg/l, 96 hours
Propan-2-ol (CAS 67-63-0)			
Aquatic			
<i>Acute</i>			
Crustacea	LC50	Daphnia magna	> 10000 mg/l, 24 hours
Fish	LC50	Pimephales promelas	9640 mg/l, 96 hours
<i>Chronic</i>			
Crustacea	EC50	Daphnia magna	> 100 mg/l, 21 days
	NOEC	Daphnia magna	141 mg/l, 16 days
			30 mg/l, 21 days
Propyl acetate (CAS 109-60-4)			
Aquatic			
<i>Acute</i>			
Algae	EC50	Pseudokirchnerella subcapitata	672 mg/l, 72 hours
Crustacea	EC50	Daphnia magna	91.5 mg/l, 48 hours
Fish	LC50	Pimephales promelas	60 mg/l, 96 hours
Solvent orange 62 (CAS 67352-37-8)			
Aquatic			
<i>Acute</i>			
Crustacea	EC50	Daphnia magna	24.1 mg/l, 48 h

Components	Species	Test Results
Solvent red 119 (CAS 12237-27-3)		
Aquatic		
<i>Acute</i>		
Algae	EC50	Algae 0.27 mg/l, 72 hours
Crustacea	EC50	Americamysis bahia; Daphnia magna; Paratanytarsus parthenoge 0.12 mg/l, 48 hours
Solvent red 49 (CAS 509-34-2)		
Aquatic		
<i>Acute</i>		
Algae	EC50	Desmodesmus subspicatus 13.4 mg/l, 72 hours
Crustacea	EC50	Daphnia 3.4 mg/l, 48 hours
Fish	LC50	Zebra danio (Danio rerio) 50 mg/l, 96 hours
Titanium dioxide (CAS 13463-67-7)		
Aquatic		
<i>Acute</i>		
Crustacea	EC50	Daphnia magna > 100 mg/l, 48 Hours
Fish	LL50	Oryzias latipes > 100 mg/l, 96 Hours

Persistence and degradability Expected to be readily biodegradable.

Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow)

Diacetone alcohol (CAS 123-42-2)	-0.098
Ethanol (CAS 64-17-5)	-0.31
Propan-2-ol (CAS 67-63-0)	0.05
Propyl acetate (CAS 109-60-4)	1.24
isopropyl acetate (CAS 108-21-4)	1.02

Mobility in soil No data available.

Other adverse effects The product contains volatile organic compounds which have a photochemical ozone creation potential.

13. Disposal considerations

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Incinerate the material under controlled conditions in an approved incinerator. Do not incinerate sealed containers. If discarded, this product is considered a RCRA ignitable waste, D001. Dispose of contents/container in accordance with local/regional/national/international regulations.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	D001: Waste Flammable material with a flash point <140 F The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	Dispose in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

DOT

UN number	UN1170
UN proper shipping name	Ethanol solution
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Label(s)	3
Packing group	II
Environmental hazards	
Marine pollutant	No

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.
Special provisions 24, IB2, T4, TP1
Packaging exceptions 4b, 150
Packaging non bulk 202
Packaging bulk 242

IATA

UN number UN1170
UN proper shipping name Ethanol solution
Transport hazard class(es)
 Class 3
 Subsidiary risk -
Packing group II
Environmental hazards No
ERG Code 3L
Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

IMDG

UN number UN1170
UN proper shipping name ETHANOL SOLUTION
Transport hazard class(es)
 Class 3
 Subsidiary risk -
Packing group II
Environmental hazards
 Marine pollutant No
EmS F-E, S-D
Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not established.

15. Regulatory information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Ethylene glycol monopropyl ether (CAS 2807-30-9)	Listed.
isopropyl acetate (CAS 108-21-4)	Listed.
Propan-2-ol (CAS 67-63-0)	Listed.
Propyl acetate (CAS 109-60-4)	Listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

Toxic Substances Control Act (TSCA) One or more components of the mixture are not on the TSCA 8(b) inventory or are designated "inactive".

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical Yes

Classified hazard categories Flammable (gases, aerosols, liquids, or solids)
 Serious eye damage or eye irritation

SARA 313 (TRI reporting)

Chemical name	CAS number	% by wt.
Ethylene glycol monopropyl ether	2807-30-9	10 - 15
Propan-2-ol	67-63-0	1 - 5

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Ethylene glycol monopropyl ether (CAS 2807-30-9)

Solvent orange 62 (CAS 67352-37-8)

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA) Contains component(s) regulated under the Safe Drinking Water Act.

FEMA Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace

Ethanol (CAS 64-17-5) Low priority

isopropyl acetate (CAS 108-21-4) Low priority

Propan-2-ol (CAS 67-63-0) Low priority

Propyl acetate (CAS 109-60-4) Low priority

US state regulations

US. Massachusetts RTK - Substance List

Diacetone alcohol (CAS 123-42-2)

Ethanol (CAS 64-17-5)

isopropyl acetate (CAS 108-21-4)

Propan-2-ol (CAS 67-63-0)

Propyl acetate (CAS 109-60-4)

Titanium dioxide (CAS 13463-67-7)

US. New Jersey Worker and Community Right-to-Know Act

Diacetone alcohol (CAS 123-42-2)

Ethanol (CAS 64-17-5)

Ethylene glycol monopropyl ether (CAS 2807-30-9)

isopropyl acetate (CAS 108-21-4)

Propan-2-ol (CAS 67-63-0)

Propyl acetate (CAS 109-60-4)

Solvent orange 62 (CAS 67352-37-8)

Titanium dioxide (CAS 13463-67-7)

US. Pennsylvania Worker and Community Right-to-Know Law

Diacetone alcohol (CAS 123-42-2)

Ethanol (CAS 64-17-5)

Ethylene glycol monopropyl ether (CAS 2807-30-9)

isopropyl acetate (CAS 108-21-4)

Propan-2-ol (CAS 67-63-0)

Propyl acetate (CAS 109-60-4)

Solvent orange 62 (CAS 67352-37-8)

Titanium dioxide (CAS 13463-67-7)

US. Rhode Island RTK

Diacetone alcohol (CAS 123-42-2)

Ethanol (CAS 64-17-5)

isopropyl acetate (CAS 108-21-4)

Propan-2-ol (CAS 67-63-0)

Propyl acetate (CAS 109-60-4)

Titanium dioxide (CAS 13463-67-7)

California Proposition 65

Reference to titanium dioxide is based on unbound respirable particles and is not generally applicable to product as supplied.

California Proposition 65 - CRT: Listed date/Carcinogenic substance

Titanium dioxide (CAS 13463-67-7)

Listed: September 2, 2011

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

Ethylene glycol monopropyl ether (CAS 2807-30-9)

Propan-2-ol (CAS 67-63-0)

Solvent red 49 (CAS 509-34-2)

Titanium dioxide (CAS 13463-67-7)

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Industrial Chemicals (AICIS)	No

Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

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

Issue date	22-February-2021
Revision date	-
Version #	01
HMIS® ratings	Health: 2 Flammability: 3 Physical hazard: 0
List of abbreviations	DOT: Department of Transportation. EC50: Effective Concentration, 50%. IATA: International Air Transport Association. IBC Code: International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk. IMDG: International Maritime Dangerous Goods. LC50: Lethal Concentration, 50%. LD50: Lethal Dose, 50%. MARPOL: International Convention for the Prevention of Pollution from Ships. NOEC: No observed effect concentration. PEL: Permissible Exposure Limit. STEL: Short-Term Exposure Limit. TWA: Time Weighted Average Value.
References	IARC Monographs. Overall Evaluation of Carcinogenicity National Toxicology Program (NTP) Report on Carcinogens ACGIH Documentation of the Threshold Limit Values and Biological Exposure Indices HSDB® - Hazardous Substances Data Bank
Disclaimer	Rupert, Gibbon & Spider, Inc. cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.



SAFETY DATA SHEET

US

1. Identification

Product identifier **PIÑATA ALCOHOL INKS - Metallic Colors**

Other means of identification
Product code 032, 034, 035

Recommended use Arts & crafts.

Recommended restrictions All other uses.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer Jacquard Products | Rupert, Gibbon & Spider, Inc.
1147 Healdsburg Ave.
Healdsburg, CA 95448
USA

Telephone number 1-800-442-0455 / 1-707-433-9577

Fax 1-707-433-4906

Website www.jacquardproducts.com

E-mail service@jacquardproducts.com

Emergency telephone number ChemTel, Inc. - Contract #MIS9128344

 N.America: 1-800-255-3924
 International: 1-813-248-0585

2. Hazard(s) identification

Physical hazards Flammable liquids Category 2

Health hazards Serious eye damage/eye irritation Category 2

Environmental hazards Hazardous to the aquatic environment, acute hazard Category 1

 Hazardous to the aquatic environment, long-term hazard Category 1

OSHA defined hazards Not classified.

Label elements



Signal word Danger

Hazard statement Highly flammable liquid and vapor. Causes serious eye irritation. Very toxic to aquatic life with long lasting effects.

Precautionary statement

Prevention Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wash thoroughly after handling. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. Wear eye protection.

Response If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. In case of fire: Use appropriate media to extinguish. Collect spillage.

Storage Store in a well-ventilated place. Keep cool.

Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC) None known.

Supplemental information None.

3. Composition/information on ingredients

Mixtures

Chemical name	CAS number	%
Ethanol	64-17-5	45 - 65
Copper powder	7440-50-8	5 - 15
Propan-2-ol	67-63-0	2.5 - 5
Propyl acetate	109-60-4	2.5 - 5
Zinc powder	7440-66-6	1 - 5

4. First-aid measures

Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact	Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical attention if irritation develops and persists.
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
Ingestion	Rinse mouth. Get medical attention if symptoms occur.
Most important symptoms/effects, acute and delayed	Headache. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Coughing.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
General information	Take off all contaminated clothing immediately. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

5. Fire-fighting measures

Suitable extinguishing media	Water fog. Alcohol resistant foam. Dry chemical powder. Carbon dioxide (CO ₂).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	Highly flammable liquid and vapor.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
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Methods and materials for containment and cleaning up

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Take precautionary measures against static discharge. Use only non-sparking tools. The product is immiscible with water and will spread on the water surface. This material is classified as a water pollutant under the Clean Water Act and should be prevented from contaminating soil or from entering sewage and drainage systems which lead to waterways.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.

Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

Environmental precautions

Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage**Precautions for safe handling**

Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. When using do not smoke. Explosion-proof general and local exhaust ventilation. Take precautionary measures against static discharges. Use non-sparking tools and explosion-proof equipment. Avoid contact with eyes. Avoid prolonged exposure. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Keep away from heat, sparks and open flame. Store in a cool, dry place out of direct sunlight. Store in tightly closed container. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection**Occupational exposure limits****US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

Components	Type	Value	Form
Copper powder (CAS 7440-50-8)	PEL	1 mg/m ³	Dust and mist.
		0.1 mg/m ³	Fume.
Ethanol (CAS 64-17-5)	PEL	1900 mg/m ³	
		1000 ppm	
Propan-2-ol (CAS 67-63-0)	PEL	980 mg/m ³	
		400 ppm	
Propyl acetate (CAS 109-60-4)	PEL	840 mg/m ³	
		200 ppm	

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Copper powder (CAS 7440-50-8)	TWA	1 mg/m ³	Dust and mist.
		0.2 mg/m ³	Fume.
Ethanol (CAS 64-17-5)	STEL	1000 ppm	
		400 ppm	
Propan-2-ol (CAS 67-63-0)	TWA	200 ppm	
		150 ppm	
Propyl acetate (CAS 109-60-4)	TWA	150 ppm	
		100 ppm	

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value	Form
Copper powder (CAS 7440-50-8)	TWA	1 mg/m3	Dust and mist.
		0.1 mg/m3	Fume.
Ethanol (CAS 64-17-5)	TWA	1900 mg/m3	
		1000 ppm	
Propan-2-ol (CAS 67-63-0)	STEL	1225 mg/m3	
		500 ppm	
	TWA	980 mg/m3	
		400 ppm	
Propyl acetate (CAS 109-60-4)	STEL	1050 mg/m3	
		250 ppm	
	TWA	840 mg/m3	
		200 ppm	

Biological limit values

ACGIH Biological Exposure Indices

Components	Value	Determinant	Specimen	Sampling Time
Propan-2-ol (CAS 67-63-0)	40 mg/l	Acetone	Urine	*

* - For sampling details, please see the source document.

Appropriate engineering controls

Explosion-proof general and local exhaust ventilation. Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station and safety shower.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin protection

Hand protection Wear appropriate chemical resistant gloves.

Skin protection

Other Wear suitable protective clothing.

Respiratory protection

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Appearance

Physical state Liquid.

Form Liquid.

Color Various.

Odor Alcoholic.

pH Neutral

Melting point/freezing point Not determined.

Initial boiling point and boiling range > 95 °F (> 35 °C)

Flash point 57.2 °F (14.0 °C)

Evaporation rate No data available

Flammability (solid, gas) Not applicable.

Upper/lower flammability or explosive limits

Flammability limit - lower (%)	3.3 (Ethanol)
Flammability limit - upper (%)	19 (Ethanol)

Vapor pressure 57.3 hPa (19.6°C) (Ethanol)

Vapor density Not determined.

Relative density Not determined.

Solubility(ies)

Solubility (water) Not miscible or difficult to mix.

Partition coefficient (n-octanol/water) Not applicable, product is a mixture.

Auto-ignition temperature 685.4 °F (363 °C) (Ethanol)

Decomposition temperature Not determined.

Other information

Kinematic viscosity Not determined.

Particle size Not applicable, material is a liquid.

10. Stability and reactivity

Reactivity The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability Material is stable under normal conditions.

Possibility of hazardous reactions No dangerous reaction known under conditions of normal use.

Conditions to avoid Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.

Incompatible materials Strong oxidizing agents.

Hazardous decomposition products No hazardous decomposition products are known.

11. Toxicological information**Information on likely routes of exposure**

Inhalation Prolonged inhalation may be harmful.

Skin contact Components of the product may be absorbed into the body through the skin.

Eye contact Causes serious eye irritation.

Ingestion May be harmful if swallowed. However, ingestion is not likely to be a primary route of occupational exposure.

Symptoms related to the physical, chemical and toxicological characteristics Headache. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Coughing.

Information on toxicological effects

Acute toxicity May be harmful if swallowed.

Components	Species	Test Results
Ethanol (CAS 64-17-5)		
Acute		
Dermal		
LD50	Rat	> 2000 mg/kg
Inhalation		
<i>Vapor</i>		
LC50	Mouse	39 g/m ³ , 4 Hours
Oral		
LD50	Rat	7000 - 11000 mg/kg

Components	Species	Test Results
Propan-2-ol (CAS 67-63-0)		
Acute		
Dermal		
LD50	Rabbit	12870 mg/kg
Inhalation		
<i>Vapor</i>		
LC50	Rat	72.6 mg/l, 4 hours
Oral		
LD50	Rat	4710 mg/kg
Propyl acetate (CAS 109-60-4)		
Acute		
Dermal		
LD50	Rabbit	> 17800 mg/kg, 24 Hours
Inhalation		
<i>Vapor</i>		
LC50	Rat	32 mg/l, 4 Hours
Oral		
LD50	Rat	8700 mg/kg
Skin corrosion/irritation	Prolonged skin contact may cause temporary irritation.	
Serious eye damage/eye irritation	Causes serious eye irritation.	
Respiratory or skin sensitization		
Respiratory sensitization	Not a respiratory sensitizer.	
Skin sensitization	This product is not expected to cause skin sensitization.	
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.	
Carcinogenicity	Not classifiable as to carcinogenicity to humans.	
IARC Monographs. Overall Evaluation of Carcinogenicity		
Propan-2-ol (CAS 67-63-0)	3 Not classifiable as to carcinogenicity to humans.	
NTP Report on Carcinogens		
Not listed.		
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)		
Not listed.		
Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.	
Specific target organ toxicity - single exposure	Not classified.	
Specific target organ toxicity - repeated exposure	Not classified.	
Aspiration hazard	Not an aspiration hazard.	
Chronic effects	Prolonged inhalation may be harmful.	
Further information	Ethanol is metabolized to acetaldehyde and acetic acid which in large quantities result in metabolic acidosis and CNS depression.	

12. Ecological information

Ecotoxicity Very toxic to aquatic life with long lasting effects.

Components	Species	Test Results
Copper powder (CAS 7440-50-8)		
Aquatic		
<i>Chronic</i>		
Other	NOEC	Juga plicifera
		6 µg/l

Components	Species		Test Results
Ethanol (CAS 64-17-5)			
Aquatic			
<i>Acute</i>			
Crustacea	LC50	Ceriodaphnia dubia	5012 mg/l, 48 hours
		Daphnia magna	454 mg/l, 11 days
Fish	LC50	Pimephales promelas	13480 mg/l, 96 hours
<i>Chronic</i>			
Crustacea	NOEC	Ceriodaphnia dubia	9.6 mg/l, 10 days
Propan-2-ol (CAS 67-63-0)			
Aquatic			
<i>Acute</i>			
Crustacea	LC50	Daphnia magna	> 10000 mg/l, 24 hours
Fish	LC50	Pimephales promelas	9640 mg/l, 96 hours
<i>Chronic</i>			
Crustacea	EC50	Daphnia magna	> 100 mg/l, 21 days
	NOEC	Daphnia magna	141 mg/l, 16 days
			30 mg/l, 21 days
Propyl acetate (CAS 109-60-4)			
Aquatic			
<i>Acute</i>			
Algae	EC50	Pseudokirchnerella subcapitata	672 mg/l, 72 hours
Crustacea	EC50	Daphnia magna	91.5 mg/l, 48 hours
Fish	LC50	Pimephales promelas	60 mg/l, 96 hours
Zinc powder (CAS 7440-66-6)			
Aquatic			
<i>Acute</i>			
Fish	LC50	Banded killifish (Fundulus diaphanus)	0.84 mg/l, 96 hours

Persistence and degradability Expected to be readily biodegradable. Not applicable to inorganic substances.

Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow)

Ethanol (CAS 64-17-5)	-0.31
Propan-2-ol (CAS 67-63-0)	0.05
Propyl acetate (CAS 109-60-4)	1.24

Mobility in soil No data available.

Other adverse effects The product contains volatile organic compounds which have a photochemical ozone creation potential.

13. Disposal considerations

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Incinerate the material under controlled conditions in an approved incinerator. Do not incinerate sealed containers. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. If discarded, this product is considered a RCRA ignitable waste, D001. Dispose of contents/container in accordance with local/regional/national/international regulations.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	D001: Waste Flammable material with a flash point <140 F The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	Dispose in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

DOT

UN number	UN1170
UN proper shipping name	Ethanol solution
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Label(s)	3
Packing group	II
Environmental hazards	
Marine pollutant	Yes
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Special provisions	24, IB2, T4, TP1
Packaging exceptions	4b, 150
Packaging non bulk	202
Packaging bulk	242

IATA

UN number	UN1170
UN proper shipping name	Ethanol solution
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Packing group	II
Environmental hazards	Yes
ERG Code	3L
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

IMDG

UN number	UN1170
UN proper shipping name	ETHANOL SOLUTION
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Packing group	II
Environmental hazards	
Marine pollutant	Yes
EmS	F-E, S-D
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not established.

General information IMDG Regulated Marine Pollutant. DOT Regulated Marine Pollutant.

15. Regulatory information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Zinc powder (CAS 7440-66-6) 1.0 % Annual Export Notification required.

CERCLA Hazardous Substance List (40 CFR 302.4)

Copper powder (CAS 7440-50-8)	Listed.
Propan-2-ol (CAS 67-63-0)	Listed.
Propyl acetate (CAS 109-60-4)	Listed.
Zinc powder (CAS 7440-66-6)	Listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

Toxic Substances Control Act (TSCA)

One or more components of the mixture are not on the TSCA 8(b) inventory or are designated "inactive".

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical

Yes

Classified hazard categories Flammable (gases, aerosols, liquids, or solids)
Serious eye damage or eye irritation

SARA 313 (TRI reporting)

Chemical name	CAS number	% by wt.
Copper powder	7440-50-8	5 - 15
Propan-2-ol	67-63-0	2.5 - 5
Zinc powder	7440-66-6	1 - 5

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA)

Contains component(s) regulated under the Safe Drinking Water Act.

FEMA Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace

Ethanol (CAS 64-17-5)	Low priority
Propan-2-ol (CAS 67-63-0)	Low priority
Propyl acetate (CAS 109-60-4)	Low priority

US state regulations

US. Massachusetts RTK - Substance List

Copper powder (CAS 7440-50-8)
Ethanol (CAS 64-17-5)
Propan-2-ol (CAS 67-63-0)
Propyl acetate (CAS 109-60-4)
Zinc powder (CAS 7440-66-6)

US. New Jersey Worker and Community Right-to-Know Act

Copper powder (CAS 7440-50-8)
Ethanol (CAS 64-17-5)
Propan-2-ol (CAS 67-63-0)
Propyl acetate (CAS 109-60-4)
Zinc powder (CAS 7440-66-6)

US. Pennsylvania Worker and Community Right-to-Know Law

Copper powder (CAS 7440-50-8)
Ethanol (CAS 64-17-5)
Propan-2-ol (CAS 67-63-0)
Propyl acetate (CAS 109-60-4)
Zinc powder (CAS 7440-66-6)

US. Rhode Island RTK

Copper powder (CAS 7440-50-8)
Ethanol (CAS 64-17-5)
Propan-2-ol (CAS 67-63-0)
Propyl acetate (CAS 109-60-4)
Zinc powder (CAS 7440-66-6)

California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to www.P65Warnings.ca.gov.

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

Copper powder (CAS 7440-50-8)
Propan-2-ol (CAS 67-63-0)
Zinc powder (CAS 7440-66-6)

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Industrial Chemicals (AICIS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

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

Issue date	22-February-2021
Revision date	-
Version #	01
HMIS® ratings	Health: 2 Flammability: 3 Physical hazard: 0
List of abbreviations	DOT: Department of Transportation. EC50: Effective Concentration, 50%. IATA: International Air Transport Association. IBC Code: International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk. IMDG: International Maritime Dangerous Goods. LC50: Lethal Concentration, 50%. LD50: Lethal Dose, 50%. MARPOL: International Convention for the Prevention of Pollution from Ships. NOEC: No observed effect concentration. PEL: Permissible Exposure Limit. STEL: Short-Term Exposure Limit. TWA: Time Weighted Average Value.
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Disclaimer	Rupert, Gibbon & Spider, Inc. cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.