

**Name:** Green Label Silk Dyes

**SDS No:** All Colors **Date:** 07/15/21

### **1. Chemical, Product and Company Identification**

**Product Name:** Silk Colors Green Label

**Catalog Codes:** NA

**CAS#:** NA

**TSCA:** COMPLIANCE

**CI#:** NA

**Synonym:** REACTIVE DYESTUFF

**Chemical Name:** Vinyl Sulphones

**Chemical Formula:** 701, 703, 706, 710, 712, 714, 715, 717, 718, 721, 722, 723, 725, 730, 732, 735, 736, 745, 750, 759

#### **Contact Information:**

**Rupert Gibbon & Spider**

1147 Healdsburg Rd

Healdsburg, CA 95448

800-442-0455

**CHEMTREC (24HR Emergency Telephone), call:**

1-800-424-9300

**International CHEMTREC, call:** 1-703-527-3887

**For non-emergency assistance, call:** 800-442-0455

### **2. Composition and Information on Ingredients**

#### **Composition:**

<b>Name</b>	<b>CAS #</b>	<b>% by Weight</b>
REACTIVE DYESTUFF ACETIC ACID 1.5%	64-19-7	

#### **Toxicological Data on Ingredients:**

### **3. Hazards Identification**

**Routes of Entry:** INHALATION:YES, SKIN ABSORPTION:NO, INGESTION: NO

SKIN CONTACT: YES, EYE CONTACT:YES

**Potential Acute Health Effects:** When tested on guinea pigs, this product has shown a positive skin sensitization potential. This product has caused respiratory sensitization in some individual cases after repeated exposure.

**Signs and Symptoms of Exposure:** Skin sensitization may include one or more of the following: redness, swelling, itching, rash and hives. Respiratory sensitization can range from runny nose, cough, and irritated eyes to asthmatic symptoms. These effects can lead to shock and cardiovascular collapse and are potential lethal.

**Medical Conditions Aggravated:** Persons with any pre-existing skin or eye conditions may be more susceptible to the effects of this product.

**Carcinogenic:** IARC:NO, NTP: NO, OSHA: NO, ACGIH: NO

### **4. First Aid Measures**

**General Information:** Immediately remove all contaminated clothing

**Eye Contact:** Wash immediately with large amounts of water for 15 minutes, lifting the upper and lower lids until no evidence of product remain. Get medical attention immediately. Do not wear contact lenses while handling.

**Ingestion:** Dilute with water. Get medical attention. Never give fluids or induce vomiting if patient is unconscious or has convulsions.

**Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

**Skin Contact:** Remove all contaminated clothing immediately. Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.

### **Section 5: Fire and Explosion Data**

**Flammability of the Product:** NA

**Auto-Ignition Temperature:** NA

**Flash Points:** Not Applicable

**Flammable Limits:** NA

**Products of Combustion:** NA

**Fire Hazards in Presence of Various Substances:** NA

**Explosion Hazards in Presence of Various Substances:** NA

**Fire Fighting Media and Instructions:** CO<sub>2</sub>, Dry Chemical, Foam, Water

**Special Remarks on Fire & Explosion Hazards:** Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic & irritation fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area & any entry. Stay upwind, out of low areas, and ventilate closed spaces before entering.

### **Section 6: Accidental Release Measures**

**Large or Small Spill:** Do not empty into drains or waters. Do not touch or walk through the spilled material: stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent material or suitable vacuum and place into labeled sealable containers. For further disposal measures see section 13.

### **Section 7: Handling and Storage**

**Precautions:** In accord with good industrial practice. Handle with care and avoid personal contact.

**Storage:** In accord with good industrial practice. Handle with care and avoid personal contact.

### **Section 8: Exposure Controls/Personal Protection**

**General Protective Measures:** Avoid contact with eyes and skin. Immediately remove all contaminated clothing.

**Personal Protection:**

**Eye:** Employees should wear protective eye-goggles with side protection shield.

**Skin:** Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, gloves e.g. fo PVC or nitrile rubber, and booths are recommended. Additional protections such as impervious suits are recommended when the potential of dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work. Keep away from food and drink stuffs.

**Respiratory:** Inhalation of dust and aerosols must be absolutely prevented by the use of a NIOSH approved dust respirator.

**Ventilation:** Use local ventilation.

**Other:** Wear overalls, apron or other protective clothing.

**Personal Protection in Case of a Large Spill:** Gloves, & other protective clothing.

**Exposure Limits:** NA

### **Section 9: Physical and Chemical Properties**

**Physical state and appearance:** Powder

**Odor:** None

**Taste:** NA

**Molecular Weight:** NA

**Color:** Ranges from Yellow to Dark Brown

**pH (1% soln/water):** Approx. 4.0 - 5.0

**Boiling Point:** NA

**Melting Point:** NA

**Critical Temperature:** >240 C

**Specific Gravity:** NA

**Vapor Pressure:** NA

**Vapor Density:** NA

**Volatility:** NA

**Odor Threshold:** NA

**Water/Oil Dist. Coeff.:** NA

**Ionicity (in Water):** NA

**Dispersion Properties:** NA

**Solubility:** +/- 70-100 g/L

### **Section 10: Stability and Reactivity Data**

**Stability:** stable

**Instability Temperature:** No thermal decomposition when stored and handled correctly.

**Conditions of Instability:** NA

**Incompatibility with various substances:** NA

**Corrosivity:** Corrosive

**Special Remarks on Reactivity:** None expected

**Special Remarks on Corrosivity:** NA

**Polymerization:** NA

### **Section 11: Toxicological Information**

**Routes of Entry:** Not available

**Toxicity to Animals:**

Animal Toxicity Oral – LD50 (Ingestion), >3000 mg/l (rats)

Fish, LC50, >100 mg/l (48 hour, Killifish)

Eye Effects – Non-irritant

Skin Effects – Non-irritant

Sensitization – May cause sensitization by skin contact (Guinea Pig).

**Chronic Effects on Humans:** Not available

**Other Toxic Effects on Humans:** Not available

**Special Remarks on Toxicity to Animals:** None

**Special Remarks on Chronic Effects on Humans:** None

**Special Remarks on other Toxic Effects on Humans:** None

### **Section 12: Ecological Information**

**Ecotoxicity:** NA

**BOD5 and COD:** NA

**Products of Biodegradation:** NA

**Toxicity of the Products of Biodegradation:** NA

**Special Remarks on the Products of Biodegradation:** NA

### **Section 13: Disposal Considerations**

**Waste Disposal:**

**Product:** If utilization or recycling of the product is not possible, it should be disposed of in accordance with existing federal, state and local environmental regulations, e.g. by incineration in a suitable plant.

**Uncleaned Packaging:** Soiled, empty containers are to be treated in the same way as the contents.

### **Section 14: Transport Information**

**DOT Classification:** Not regulated  
**Identification:** Non-hazardous Ink Material  
**Special Provisions for Transport:**  
**Fr. Class Package:** 55

### **Section 15: Other Regulatory Information**

#### **Federal and State Regulations:**

TSCA: The components of this product are listed on the TSCA Inventory  
SARA 313: This product is not subject SARA Title III Section 313 reporting requirements under 40 CFR 372.

SARA 312:

Immediate (acute) health hazard – Yes  
Delayed (chronic) health hazard – Yes  
Fire hazard – No  
Sudden Release of Pressure – No  
Reactivity – No

California Proposition 65: This product does not contain any components currently on the California List of Known Carcinogens and reproductive Toxins.

**Other Regulations:** Label in accordance with the EEC directives:

Hazard Symbols: Xn Harmful  
R 42/43: May cause sensitization by inhalation and skin contact  
S22: Do not breath dust  
S24: Avoid contact with skin  
S37: Wear suitable gloves

This product is not subject to the German Ordinance that bans certain azo dyes or the 19<sup>th</sup> Amendment of the Council Directive 76/769/EEC

**Other Classifications:**

**WHMIS (Canada):**

**DSCL (EEC):**

**HMIS (U.S.A.):**

**Health Hazard: Yes (Acute)**

**Fire Hazard: NA**

**Reactivity: NA**

**Personal Protection: Gloves**

**National Fire Protection Association (U.S.A.): NA**

**Health: NA**

**Flammability: NA**

**Reactivity: NA**

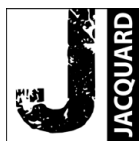
**Specific hazard: NA**

**Protective Equipment: NA**

### **Section 16: Other Information**

The information contained in this SDS is based on data from sources considered to be reliable but Rupert, Gibbon & Spider Inc. does not guarantee the accuracy or completeness thereof. Rupert, Gibbon & Spider Inc. urges each customer or recipient of this SDS to study it carefully to become aware of and understand the hazards associated with this product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology or fire and understand the data in this SDS.

# SAFETY DATA SHEET (SDS)



Jacquard Products  
Manufactured by Rupert, Gibbon & Spider, Inc.  
P.O. Box 425 | Healdsburg, CA 95448  
800.442.0455 | Fax: 707.433.4906  
www.jacquardproducts.com

Silk Salt- Pg 1

Revision Date: 03/05/2018

## SECTION 1 - CHEMICAL, PRODUCT & COMPANY INFORMATION

Product Name:	<b>SILK SALT</b>	
Product Number/Code:	<b>JAC0700, JAC1700, JAC2700, JAC9610</b>	
Recommended Use:	Patterning fabric	
Synonym(s):	Salt, Sea Salt	
Restrictions on use:	None known	
Manufacturer:	Rupert, Gibbon & Spider, Inc. 1147 Healdsburg Ave. Healdsburg, CA 95448 1-800-442-0455 / 707-433-9577	
Emergency Number:	<b>ChemTel, Inc. - Contract #MIS9128344</b>	
	North America: <b>1-800-255-3924</b>	International: <b>1-813-248-0585</b>

## SECTION 2 - HAZARD(S) IDENTIFICATION

**This product is not considered to be or contain hazardous chemicals based on evaluations made by our company under the OSHA Hazard Communication Standard, reference 29 CFR 1910.1200.**

### Toxicological Data on Ingredients:

Hazard Classification	Not hazardous
Physical Hazards:	Not classified
Health Hazards:	Not classified
Environmental Hazards:	Not classified

### Label Elements

Pictogram:	None
Signal Words:	None
<b>Hazard Statements-EU:</b>	The mixture does not meet the criteria for classification.
<b>Precautionary Statements-EU:</b>	
Prevention:	Observe good industrial hygiene practices.
Response:	P264 Wash hands thoroughly after handling.
Storage:	P420 Store away from incompatible materials.
Disposal:	P501 Dispose of waste and residues in accordance with local authority requirements.
Hazard(s) not otherwise classified:	None known

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## SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Chemical identity	Content in percent (%)*	CAS #
Sodium Chloride	100%	7647-14-5
<i>GRAS Substance (Generally Recognized As Safe)</i>		

## SECTION 4 - FIRST AID MEASURES

Description of first aid measures:	
In the event of skin contact:	Wash off with soap and water. Get medical attention if irritation develops and persists.
In the event of eye contact:	Rinse with water. Get medical attention if irritation develops and persists.
In the event of swallowing:	Give one or two glasses of water if patient is alert and able to swallow. Get medical attention if symptoms occur.
In the event of exposure by inhalation:	If dust from the material is inhaled, remove the affected person immediately to fresh air. Call a physician if symptoms develop or persist.
Most important symptoms and effects, acute and delayed:	Direct contact with eyes may cause temporary irritation.
Indication of any immediate medical attention and special treatment needed:	Treat symptomatically.
General information:	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

## SECTION 5 - FIREFIGHTING MEASURES

Extinguishing media:	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO <sub>2</sub> ).
Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this will spread the fire.
Special hazards arising from the substance or mixture::	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:	Use water spray to cool unopened containers.
Specific methods:	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards:	This product is not flammable or combustible.

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:	Keep unnecessary personnel away. Avoid inhalation of dust from the spilled material. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. For personal protection, see section 8 of the SDS.
Methods and material for containment and clean up:	If sweeping of a contaminated area is necessary use a dust suppressant agent which does not react with the product. Collect dust using a vacuum cleaner equipped with HEPA filter. Minimize dust generation and accumulation. Avoid release to the environment. Following product recovery, flush area with water. For waste disposal, see section 13 of the SDS.
Environmental procedures:	Avoid discharge into drains, water courses or onto the ground.

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## SECTION 7 - HANDLING AND STORAGE

Precautions for safe handling:	Provide appropriate exhaust ventilation at places where dust is formed. Minimize dust generation and accumulation. Avoid breathing dust. Avoid contact with eyes. Avoid contact with water and moisture. Keep away from strong acids. Practice good housekeeping.
Conditions for safe storage including any incompatibilities:	Store in original tightly closed container. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS). Becomes hygroscopic at 70-75% relative humidity. Avoid humid or wet conditions as product will cake and become hard.

## SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Control parameters:</b>	
Occupational exposure limits:	No exposure limits noted for ingredient(s).
Biological limit values:	No biological exposure limits noted for the ingredient(s).
Appropriate engineering controls:	Ventilation should be sufficient to effectively remove and prevent buildup of any dusts or fumes that may be generated during handling or thermal processing.
<b>Individual protection measures, such as personal protective equipment:</b>	
Eye/face protection:	Un-vented, tight fitting goggles should be worn in dusty areas.
Hand protection:	Wear appropriate chemical resistant gloves.
Other protective equipment:	Wear suitable protective clothing.
Respiratory protection:	Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. 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.

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## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

<b>General information:</b>	
Appearance and physical state:	Solid crystalline
Color:	White to opaque
Type of Odor:	Halogen odor when heated
Odor threshold:	Not available
<b>Important health, safety and environmental information:</b>	
Initial Boiling Point and Boiling Range:	2669 °F / 1465 °C (760 mmHg)
Melting Point/Freezing Point:	1473.8 °F / 801 °C
Flammability Classification:	Not available
Flash Point:	Not available
Auto-ignition Temperature:	Not available
Decomposition Temperature:	Not available
Flammability Limits (lower/upper):	Not available
Evaporation rate:	Not available
Vapor Pressure:	2.4 mm Hg 1376.6 °F / 747 °C
Vapor Density (Air=1):	Not available
Octanol/Water Partition Coefficient (log Pow):	Not available
Specific Gravity:	Not available
Bulk Density:	35 - 83 lb/ft <sup>3</sup>
Water Solubility:	26.4%
pH:	4 – 9
Viscosity:	Not available
Explosive Properties:	Not available
Oxidizing Properties:	Not available
Molecular Formula:	NaCl
Molecular Weight:	58.44
Relative Density:	2.16 (H <sub>2</sub> O = 1)

## SECTION 10 - STABILITY AND REACTIVITY

Reactivity:	The product is stable and non-reactive under normal conditions of use, storage and transport.
Stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	No dangerous reaction known under conditions of normal use.
Conditions to avoid:	Contact with incompatible materials. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air).
Incompatible materials:	Avoid contact with strong acids. Becomes corrosive to metals when wet.
Hazardous decomposition products:	May evolve chlorine gas when in contact with strong acids.



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## SECTION II - TOXICOLOGICAL INFORMATION

<b>Information on toxicological effects:</b>	
Acute toxicity (list all possible routes of exposure)	
Acute Oral Toxicity:	LD50 (Mouse) 4,000 mg/kg LD50 (Rat) 3,000 mg/kg
Other:	LD50 (Mouse) 2,602 mg/kg
Skin Corrosion/Irritation:	Prolonged skin contact may cause temporary irritation.
Serious Eye Damage / Eye Irritation:	Dust in the eyes will cause irritation.
Respiratory or Skin Sensitization:	Not available.
Germ Cell Mutagenicity:	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity:	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
Reproductive Toxicity:	This product is not expected to cause reproductive or developmental effects.
Specific Target Organ Toxicity - single exposure (STOT-se):	Not classified
Specific Target Organ Toxicity - repeated exposure (STOT-re):	Not classified
Aspiration Hazard:	Due to the physical form of the product it is not an aspiration hazard.
<b>Potential Health Effects:</b>	
Skin Contact:	Prolonged or repeated skin contact may cause irritation.
Eye Contact:	Dust in the eyes will cause irritation.
Ingestion:	Expected to be a low ingestion hazard.
Inhalation:	Inhalation of dusts may cause respiratory irritation.
Symptoms related to the physical, chemical and toxicological characteristics:	Eye and skin contact: Exposure may cause temporary irritation, redness, or discomfort. For ingestion, consuming less than a few grams would not be harmful. The following effects were observed after ingesting an excessive quantity: nausea and vomiting, diarrhea, cramps, restlessness, irritability, dehydration, water retention, nose bleed, gastrointestinal tract damage, fever, sweating, sunken eyes, high blood pressure, muscle weakness, dry mouth and nose, shock, cerebral edema (fluid on brain), pulmonary edema (fluid in lungs), blood cell shrinkage, and brain damage (due to dehydration of brain cells). Death is generally due to cardiovascular collapse or CNS damage.
Acute toxicity:	In some cases of confirmed hypertension, ingestion may result in elevated blood pressure.

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## SECTION 12 - ECOLOGICAL INFORMATION

<b>Toxicity:</b>			
<i>The product is not classified as environmentally hazardous.</i>			
<i>However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.</i>			
Acute/prolonged toxicity to fish:	LC50	Rainbow trout, donaldson trout ( <i>Oncorhynchus mykiss</i> )	4,747 - 7,824 mg/l, 96 hours
Acute/prolonged toxicity to aquatic invertebrates:	EC50	Water flea ( <i>Daphnia magna</i> )	340.7 - 469.2 mg/l, 48 hours
Persistence and degradability:	No data is available on the degradability of this product.		
Bioaccumulative potential:	No data available		
Mobility in soil:	No data available		
Other adverse effects:	None known		

## SECTION 13 - DISPOSAL CONSIDERATIONS

<b>Waste treatment methods:</b>	
Disposal instructions:	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of in accordance with all applicable regulations.
Hazardous waste code:	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products:	Dispose of 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:	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

## SECTION 14 - TRANSPORT INFORMATION

General Information:	The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, DOT).
UN number:	Not relevant
UN proper shipping name:	Not relevant
Transport hazard class:	Not relevant
Packing group:	Not relevant
<b>Environmental Hazards:</b>	
Environmentally hazardous substance:	No
Special precautions for user:	Not relevant

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## SECTION 15 - REGULATORY INFORMATION

<b>Safety, health and environmental regulations/legislation specific for the substance or mixture:</b>		
US Federal Regulations		
TSCA/OSHA:	All components are on the U.S. EPA TSCA Inventory List. This product is not known to be 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	
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):	Not listed	
CERCLA Hazardous Substance List (40 CFR 302.4):	Not listed	
Superfund Amendments and Reauthorization Act of 1986 (SARA):		
Hazard categories:	Immediate Hazard:	No
	Delayed Hazard:	No
	Fire Hazard:	No
	Pressure Hazard:	No
	Reactivity Hazard:	No
SARA 302 Extremely hazardous substance:	Not listed	
SARA 311/312 Hazardous Chemical:	No	
SARA 313 (TRI reporting):	Not regulated	
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):	Not regulated	
US State Regulations		
US Massachusetts RTK - Substance List:	Not regulated	
US New Jersey Worker and Community Right-to-Know Act:	Not listed	
US Pennsylvania Worker and Community Right-to-Know Law:	Not listed	
US Rhode Island RTK:	Not regulated	
US 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.	
US California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance:	Not listed	

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## SECTION 15 - REGULATORY INFORMATION

International Inventories:		
Country(s) or Region	Inventory Name	On Inventory (Yes/No)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\* A "Yes" indicates this product complies 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).

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## SECTION 16 - OTHER INFORMATION

<b>HMIS Hazard ID:</b>	
Health:	I
Flammability:	0
Reactivity:	0
Personal Protection:	A
Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; *Chronic health effect	

**Disclaimer:**

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**Revision Date: 03/05/2018**

<b>National Chemical Inventories:</b>	
All components of this product are listed on the following chemical substance inventories: TSCA (USA)	
DSL	(Canada)
EINECS	(Europe)
ENCS	(Japan) ECL
	(Korea)
AICS	(Australia) NZIoC
	(New Zealand)
PICCS	(Philippines)
IECSC	(China)

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<b>Abbreviations:</b>	
ACGIH	American Conference of Governmental Industrial Hygienists
ADR	International carriage of Dangerous goods by Road
AICS	Australian Inventory of Chemical Substances
ATE	Acute Toxicity Estimate
BfR	Bundesinstitut für Risikobewertung recommendations for food contact materials
BCF	Bioconcentration Factor
BOD5	5-day Biochemical Oxygen Demand
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CLP	Classification, Labeling and Packaging regulation
COD	Chemical Oxygen Demand DOT Department of Transportation DSL Domestic Substances List
EINECS	European Inventory of Existing Chemical Substances
ECL	Existing Chemicals List (Korea)
ENCS	Existing and New Chemical Substances Inventory (Japan)
EN 689	Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy.
ERG	Emergency Response Guide
GHS	Globally Harmonized System
HMIS	Hazardous Materials Information System IARC International Agency for Research on Cancer IATA International Air Transport Association
ICAO	International Civil Aviation Organization IDLH Immediately Dangerous to Life and Health IMDG International Maritime Dangerous Goods
LD50	Lethal Dose to 50% of test animal population
MAK	Maximale Arbeitsplatz Konzentration
NTP	National Toxicology Program
OEL	Occupational Exposure Limit
OSHA	Occupational Safety & Health Administration
PBT	Persistent, Bioaccumulative and Toxic vPvB Very Persistent and Very Bioaccumulative PEL Permissible exposure limit
PICCS	Philippine Inventory of Commercial Chemical Substances
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation and Authorization of Chemical Substances
RID	International carriage of dangerous goods by Rail SARA Superfund Amendments and Reauthorization Act STEL Short Term Exposure Limit
SVHC	Substance of Very High Concern
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
TWA	Time Weighted Average
VOC	Volatile Organic Compound
WGK	Wassergefährdungsklasse (Water Hazard Class) WHMIS Workplace Hazardous Material Identification System

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product Identifier**

**Product name:** Removable Water-based Resist

**Product code:** JAC1880, JAC2880 & JAC3880

**Synonym:** resist

**Date:** 11/22/2016

**1.2. Intended Use of the Product**

**Use of the substance/preparation:** colorant barrier for silk painting

**1.3. Name, Address, and Telephone of the manufacturer**

Contact Information:

**Rupert Gibbon & Spider, Inc.**

1147 Healdsburg Ave.

Healdsburg, CA 95448

800-442-0455

**1.4. Emergency telephone number**

**CHEMTREC (24HR Emergency Telephone), call:** 1-800-424-9300

**International CHEMTREC, call:** 1-703-527-3887

**For non-emergency assistance, call:** 800-442-0455

**SECTION 2: Hazards identification****CLASSIFICATION:**

OSHA 29CFR 1910.1200

Not a hazardous substance or mixture

REGULATION (EC) No 1272/2008

Not a hazardous substance or mixture

**LABEL ELEMENTS:**

OSHA 29CFR1910.1200

Not a hazardous substance or mixture

REGULATION (EC) No 1272/2008

Not a hazardous substance or mixture

**EMERGENCY OVERVIEW**

*This product is an aqueous liquid and as such does not represent a fire hazard or immediate health hazard when properly handled. Do not ingest. Refer to the sections below concerning exposure risks and handling.*

**SECTION 3: Composition/information on ingredients****3.2. Mixtures**

<u>Name</u>	<u>Product identifier (CAS No.)</u>	<u>%</u>
Gum Arabic	9000-01-5	Proprietary*
Synthetic Hydrocarbon mixture	NJRTK # 80100348-5009P	Proprietary*
Synthetic Paraffin	#8002-74-2	Proprietary*
Carrageenan	#9000-07-1	Proprietary*

*\*The specific chemical concentration is being withheld as a trade secret*

**SECTION 4: First aid measures****4.1.**

**Eye contact Skin contact:** Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.

**In case of contact:** immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention immediately.

**4.2. Most important symptoms and effects, both acute and delayed**

**Inhalation Ingestion Notes to physician:** Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately. : Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately. : No specific treatment. Treat symptomatically. Call medical doctor.

**SECTION 5: Firefighting measures**

OSHA FLAMMABILITY CLASS: Non-combustible liquid.

SUITABLE EXTINGUISHING MEDIA: Carbon Dioxide, dry chemical or fine water spray. Avoid water stream on molten burning material as it may scatter and spread the fire.

SPECIAL FIREFIGHTING PROCEDURES: Wear self-contained breathing apparatus and protective clothing approved by NIOSH. Watch footing on floors and stairs because of possible melting and spreading of material. Use spray to keep containers cool.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Flash point >400°F / 204°C. After water evaporation the solids will melt in proximity to fires causing slippery floors and stairs.





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## **SECTION 6: Accidental release measures**

**SMALL SPILL:** Wipe the affected area and collect spilled material. Wash the affected area with water.

**MAJOR SPILL:** Do not let large volumes spills or leakage enter watercourse. May be toxic to aquatic life. Absorb with oil-dri or similar inert material. Sweep or scrape up and containerize. Report major leaks and spills to the appropriate local, state and federal government

**SPECIAL PROTECTIVE EQUIPMENT:** Wear appropriate PPE such as respiratory, safety glasses, rubber safety gloves and appropriate clothing to avoid absorption through skin, contact with eyes or inhalation, if product is being used in large volumes.

## **SECTION 7: Handling and storage**

**SPECIAL HANDLING AND STORAGE:** (Always wear recommended personal protective equipment.) Avoid breathing fumes from heating operations. Avoid spillage which can cause very slippery conditions on floors.

Use good personal hygiene and housekeeping.

**STORAGE RECOMMENDATIONS:**

Avoid excessive heat. Keep from freezing.

**SECTION 8: Exposure controls/personal protection**

**ENGINEERING CONTROLS:** Adequate ventilation is normally required when handling or using this material.-- If vapor, or mist is generated, provide local exhaust ventilation to prevent airborne exposure. **PERSONAL PROTECTIVE EQUIPMENT**

**EYES AND FACE:** Avoid eye contact. Wear safety spectacles, goggles or, for larger quantities, a full face mask.

**SKIN:** Skin contact should be minimized through the use of gloves and suitable long-sleeved clothing and protective apron.

**PROTECTIVE CLOTHING:** Gloves, coveralls, apron and boots - as necessary to prevent skin contact.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

**Appearance:** White / Off White

**Upper/lower flammability or explosive limits:** No data available

**Odor:** Typical wax / gum odor

**Vapor pressure:** Heavier than air.

**Odor threshold:** No data available

**Vapor density:** No data available

**pH:** 8.5-9.5

**Relative density:** No data available

**Relative evaporation rate (butyl acetate=1):** No data available

**Melting point:** 259°F/146°C

**Freezing point:** No data available

**Boiling point:** > 100°C

**Solubility:** Miscible with water

**Initial boiling point and boiling range:** No data available

**Flash Point:** >400°F / 204°C COG

**Evaporation rate:** No data available

**Flammability (solid, gas):** No data available

**Partition coefficient:** n-octanol/water: No data available

**Auto-ignition temperature:** No data available

**Decomposition Temperature:** No data available

**Viscosity, kinematic:** No data available

**Viscosity, dynamic:** No data available

**Relative vapor density at 20 °C:** No data available

**Log Pow:** Soluble in water.

**Log Kow:** No data available

**Explosive properties:** No data available

**Oxidizing properties:** No data available

**9.2. Other information** No additional information available

**SECTION 10: Stability and reactivity****10.1. Reactivity**

Stable at ambient temperature and under normal conditions of use.

**10.2. Chemical stability**

Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

Hazardous polymerization will not occur.

**10.4. Conditions to avoid**

Direct sunlight. Extremely high or low temperatures. Protect from moisture. Use good housekeeping practices during storage, transfer, handling, to avoid excessive dust accumulation.

**10.5. Incompatible materials**

Strong acids. Strong bases.

**10.6. Hazardous decomposition products**

Under conditions of fire this material may produce: Carbon oxides (CO, CO<sub>2</sub>).

**SECTION 11: Toxicological information****11.1. Toxicological information**

No adverse health effects expected if the product is handled in accordance with this SDS and product label. Symptoms or effects that may arise if the product is misused and overexposure occurs are:

**Swallowed:** Small amounts transferred to the mouth by fingers during use should not injure. Swallowing large amounts may cause digestive discomfort.

**Eye:** Direct contact may irritate seriously with moderate to severe redness, swelling and some corneal injury lasting several days to a week

**Skin:** A single exposure (less than 24 hrs.) may irritate. Repeated, prolonged contact (24 - 48 hrs.) may cause moderate irritation.

**Inhalation:** This product has extremely low vapor pressure and hence inhalation is unlikely as a route of over exposure. The odor of the product irritates the eyes and nose slightly

**SECTION 12: Ecological information**

**12.1. Toxicity** No additional information available

**12.4. Mobility in soil** No additional information available

**12.5. Other adverse effects**

**Other information:** Avoid release to the environment.



## **SECTION 13: Disposal considerations**

### **13.1. Waste treatment methods**

**Waste disposal recommendations:** Dispose of waste material in accordance with all local, regional, national, and international regulations.

## **SECTION 14: Transport information**

In accordance with ICAO/IATA/DOT/TDG

**14.1. UN number** Not applicable

**14.2. UN proper shipping name** Not regulated for transport.

**14.3. Additional information**

**Other information:** No supplementary information available.

**Overland transport** Not regulated for transport.

**Transport by sea** Not regulated for transport.

**Air transport** Not regulated for transport.



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## **SECTION 15: Regulatory information**

COMPLETE AND CURRENT REGULATORY INFORMATION IS AVAILABLE UPON REQUEST. (RSS FORM).

**REACH:** Registration and compliance pending.

**T.S.C.A:** This product or its components are listed on the TSCA Inventory. This product or its components do not contain any chemicals subject to any rules or orders under TSCA sections 4, 5, 6, 7, or 8(d).

**CALIFORNIA PROP 65 INFORMATION:** Not Regulated.

**WHMIS CLASSIFICATION (CANADA):** Not subject to WHMIS regulations.

**SARA TITLE III:** This product is subject to SARA Title III reporting?

Section 311/312- Immediate/Acute Health (irritant): YES Section 302-

Contains an extremely hazardous substance: NO

Section 313- This product does not contain any toxic chemical listed under Sec.313 of the Emergency Planning and Community Right-To-Know Act of 1986.

**CLEAN WATER ACT- Priority Pollutants:** Contains no known priority pollutants at concentrations greater than 0.1%.

## **SECTION 16: Other information**

**Data sources:**

This document has been prepared in accordance with the SDS Requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

The information contained in this SDS is based on data from sources considered to be reliable but Rupert, Gibbon & Spider, Inc. does not guarantee the accuracy or completeness thereof. Rupert, Gibbon & Spider, Inc. urges each customer or recipient of this SDS to study it carefully to become aware of and understand the hazards associated with this product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology or fire and understand the data in this SDS.