

01234-1001

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MSDS for #01234 - JACQUARD SILK COLOR

**SAFETY DATA SHEET**

**SDS**  
 RUPERT, GIBBON & SPIDER PO BOX 425, HEALDSBURG CA, 95448 TEL: (707) 433-9577 FAX: (707) 433-4906

**Name:** Green Label Silk Dyes  
**SDS No:** All Colors **Date:** 6/6/15

**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, 716, 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:		
Name	CAS #	% by Weight
REACTIVE DYESTUFF		
ACEDIC ACID		1.5%

**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.

Item Numbers: 01234-2023, 01234-3043, 01234-3083, 01234-3153, 01234-3613, 01234-4003, 01234-4583, 01234-4873, 01234-5003, 01234-5053, 01234-5113, 01234-5293, 01234-5593, 01234-6003, 01234-6013, 01234-7103, 01234-7363, 01234-7813, 01234-8103, 01234-8123

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**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:** CO2, 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 boots 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

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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, M 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**

**SDS**

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**SAFETY DATA SHEET**

**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 breathe 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

**ISSUE DATE: 7/30/2015**  
**Rupert, Gibbon, & Spider**  
**1147 Healdsburg Avenue**  
**Healdsburg CA 95448**  
**PHONE: 707-433-9577**

### 1. PRODUCT IDENTIFICATION

PRODUCT NAME ..... Permanent Dyeset Concentrate  
 PRODUCT CODE NUMBER .. 950000  
 CHEMICAL FAMILY:  
 T.S.C.A. STATUS: COMPLIANCE

### 2. HAZARDS IDENTIFICATION

#### PRIMARY ROUTE OF EXPOSURE

INHALATION:	NO	SKIN ABSORPTION:	NO	INGESTION:	YES
SKIN CONTACT:	YES	EYE CONTACT:	YES		

#### CARCINOGEN STATUS

IRAC NO	NTP: NO	OSHA: NO	ACGIH: NO
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#### CHRONIC EFFECTS OF OVEREXPOSURE

None Known

#### SIGNS AND SYMPTOMS OF OVEREXPOSURE

May be irritating to eyes.

#### MEDICAL CONDITIONS AGGRAVATED

Persons with any pre-existing skin, eye or respiratory condition may be more susceptible to the effects of this product.

### 3. HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS: NO HAZARDOUS MATERIALS ARE CONTAINED IN THIS PRODUCT

CURRENT TLV'S: NONE KNOWN

#### 4. EMERGENCY AND FIRST AID PROCEDURES

**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.

**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.

**INGESTION** ..... Dilute with 2 glasses of water and induce vomiting. Get medical attention. Never give mas or mduce vormtmg If patient Is unconscwus or has convulswns.

**INHALATION** ..... If inhaled, remove to fresh air.

#### 5. FIRE AND EXPLOSION DATA

**FLASH POINT** .....NA

**EXTINGUISHING MEDIA** .....C02 Dry Chemical Foam Water Fog

**SPECIAL FIRE FIGHTING PROCEDURES/UNUSUAL FIRE OR EXPLOSION HAZARDS:**

Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic & irritating 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.

#### 6. SPILL OR LEAK PROCEDURES

**IN CASE MATERIAL IS RELEASED/SPILLED:**

Avoid formation and deposition of dust. 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.

#### 7. SPECIAL PRECAUTIONS AND STORAGE DATA

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

#### 8. EMPLOYEE PROTECTION RECOMMENDATIONS

**GENERAL PROTECTIVE MEASURES:**

Avoid contact with eyes and skin. Immediately remove all contaminated clothing.

**EYE PROTECTION** ..... Employees should wear protective eye-goggles with side protection shield.

**SKIN PROTECTION** ..... Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, gloves e.g. of PVC or nitrile rubber, and boots are recommended. Additional protections such as impervious suits are recommended when the potential for 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 PROTECTION** .....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.

### 9. PHYSICAL DATA

**APPEARANCE** .....LIQUID  
**COLOR** .....CLEAR STRAW COLORED LIQUID  
**ODOR** .....MILD ODOR  
**SOLUBILITY IN WATER** .....CLEAR  
**IGNITION TEMP** .....N.A.  
**BULK DENSITY** .....N.A.  
**pH** .....3.0-4.5  
**% VOLATILE:**                      **VALUE:ND**                      **UNIT:%**                      **COMMENT:**

### 10. REACTIVITY DATA

**THERMAL DECOMPOSITION:** No thermal decomposition when stored and handled correctly.  
**HAZARDOUS REACTIONS :** In the case of dusty organic products the possibility of a dust explosion should always be considered.

### 11. TOXICOLOGICAL DATA

**ANIMAL TOXICITY ORAL- LD50 (INGESTION)** ..... NO DATA  
**FISH, LC50**..... NO DATA  
**EYE EFFECTS** ..... NO DATA  
**SKIN EFFECTS** ..... NO DATA  
**SENSITIZATION** ..... NOT EXPECTED

### 12. ECOLOGICAL DATA

**BIODEGRADABILITY:** ND  
**FISH TOXICITY:** ND  
**BACTERIA TOXICITY:** ND

**13. DISPOSAL CONSIDERATIONS**

**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.

**14. SHIPPING DATA**

**PROPER SHIPPING NAME:** NON-HAZARDOUS INK MATERIAL

**D.O.T. HAZARD CLASSIFICATION:** NOT REGULATED

**FRT. CLASS PACKAGE:** 55

**15. REGULATORY DATA****US REGULATIONS:**

**TSCA:** The components of this product are listed on the TSCA Inventory

**SARA 313:** This product is not subject to SARA Title III Section 313 reporting requirements under 40 CFR 372.

<b>SARA 312:</b>	Immediate (acute) health hazard	Yes
	Delayed (chronic) health hazard	No
	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.

**16. OTHER INFORMATION**

Jacquard Products warrants that this product conforms to the chemical description on the label and is reasonably fit for the specific purposes referred to in its directions for use, subject to the inherent risks referred to in the material safety data sheet for this product. Jacquard products makes no other expressed or implied warranty of fitness or merchantability or any other expressed or implied warranty. In no case shall Jacquard be liable for consequential, special, or indirect damages resulting from the use or handling of this product.





**SAFETY DATA SHEET  
FOR COATINGS, RESINS, AND RELATED MATERIALS**

**SECTION I – Chemical Product and Company Identification**

**Product name:** Gutta Resist- 780 Clear  
**Catalog Code:** JAC1780, JAC2780 and JAC3780  
**Supplier:** Rupert, Gibbon & Spider, Inc.  
 1147 Healdsburg Avenue  
 Healdsburg, CA 95448 USA

**Product class:** Solvent-based rubber adhesive  
**Material uses:** Resin used for silk – painting arts

**Information**  
**telephone number:** 800-442-0455  
**Emergency**  
**telephone number:** (800) 424-9300 Chemtrec  
 (703) 527-3887 Outside the United States

**SECTION II – Hazards identification**

**According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200**

**Classification of the product:**

Flammable Liquids	2	
Skin Corr. /Irrit.	2 Skin	irritation
Eye Dam. /Irrit.	2A	serious eye damage/eye irritation
Reproductive		
Toxicity	2	
STOT SE	3	Central nervous system
STOT RE	2	Central nervous system, Peripheral nervous system
Aspiration hazard	1	

**Label elements**

**Pictogram:**



**Signal Word: Danger**

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**Hazard Statement:**

- H225 Highly flammable liquid and vapour.
- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H331 Toxic if inhaled.
- H336 May cause drowsiness or dizziness.
- H361 Suspected of damaging fertility or the unborn child.
- H373 May cause damage to organs (Auditory system, Eyes) through prolonged or repeated exposure if inhaled.

**Precautionary Statements (Prevention):**

- P202 Do not handle until all safety precautions have been read and understood.
- P210 Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
- P233 Keep container tightly closed.
- P240 Ground/bond container and receiving equipment.
- P241 Use explosion-proof electrical/ventilating/lighting/equipment.
- P242 Use only non-sparking tools.
- P243 Take precautionary measures against static discharge.
- P260 Do not breathe dust/gas/mist/vapours.
- P264 Wash with plenty of water and soap thoroughly after handling.
- P271 Use only outdoors or in a well-ventilated area.
- P273 Avoid release to the environment.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P281 Use personal protective equipment as required.

**Precautionary Statements (Response):**

- P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
- P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
- P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P308 + P313 IF exposed or concerned: Get medical advice/attention.
- P331 Do NOT induce vomiting.
- P332 + P313 If skin irritation occurs: Get medical advice/attention.
- P337 + P313 If eye irritation persists: Get medical advice/attention.
- P362 Take off contaminated clothing and wash before reuse.
- P370 + P378 In case of fire: Use water spray, dry powder, foam or carbon dioxide for extinction.

**Precautionary Statements (Storage):**

P233 Keep container tightly closed.

P403 + P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

**Precautionary Statements (Disposal):**

P501 Dispose of contents/container to hazardous or special waste collection point.

**Hazards not otherwise classified:**

According to Regulation 1994 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

**Potential health effects:****Carcinogenicity:****For Component: VMP Naphtha**

**IARC** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**OSHA** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**NTP** No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**For Component: Isopropanol**

**IARC** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**ACGIH** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

**NTP** No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**OSHA** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA

### SECTION III – Composition/Information on Ingredients

#### Hazardous Components

<u>Components</u>	<u>CAS number</u>	<u>EINECS number</u>	<u>% by Weight</u>
Isopropanol	67-63-0	200-661-7	2.0 %
Distillates, pet, lt dist hydrotreat Process, low-boil AND/OR Naphtha (pet), hydrotreated lt AND/OR Solvent Naphtha (pet), it aliph.	68410-97-9 64742-49-0 64742-89-8	270-093-2 265-151-9 289-220-8	85.0 %

### SECTION IV – FIRST AID MEASURES

#### Eye Contact:

In case of contact, flush eyes with plenty of lukewarm water. Use fingers to ensure that the eyelids are separated and that the eye is being irrigated. Get medical attention if irritation develops.

#### Skin Contact:

In case of skin contact, wash affected areas with soap and water. Immediately remove contaminated clothing and shoes. Call physician if irritation develops or persists. Thoroughly clean shoes before reuse. Wash contaminated clothing before reuse.

#### Inhalation:

If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.

#### Ingestion:

If ingested, do not induce vomiting unless directed to do so by medical personnel. Get medical attention.

### SECTION V – FIRE FIGHTING MEASURES

**Suitable Extinguishing Media:**

Use water, foam or dry chemicals.

**Special Fire Fighting Procedures:**

Firefighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes. Toxic and irritating gases/fumes may be given off during burning or thermal decomposition. Use cold water spray to cool fire-exposed containers to minimize the risk of rupture.

**Unusual Fire/Explosion Hazards:**

Vapors are heavier than air and may travel a considerable distance to a source of ignition and flashback. Vapors or fumes may form explosive mixture with air.

**Hazardous Thermal Decomposition Products:**

In case of fire, may produce hazardous decomposition products such as carbon monoxide, carbon dioxide, (dense) black smoke, aldehydes, organic acids, nitrogen oxides, ammonia, amines.

**SECTION VI – ACCIDENTAL RELEASE MEASURES****Spill and Leak Procedures:**

Contain spill. If spilled in an enclosed area ventilate. Wear proper personal protective clothing and equipment. Do not flush liquid in public sewer, water systems or surface waters. Recover as much as possible and absorb remainder with inert material. Place into labeled containers and store in safe locations for proper disposal. Wash spilled areas with soap and water.

**SECTION VII – HANDLING AND STORAGE****Storage Temperature: Minimum:**

5°C (41°F)

Maximum 40°C (104°F)

**Handling:**

Avoid eye contact, repeated or prolonged skin contact or inhalation of aerosol, mist or vapors. Wash thoroughly after handling. Use in well ventilated areas.

**Storage:**

Keep containers closed when not in use. Do not store in open, unlabeled or mislabeled containers. Product is not reactive or degraded by moisture, however protect from moisture contamination for performance purposes.

**SECTION VIII – EXPOSURE CONTROLS/ PERSONAL PROTECTION****Occupational Exposure Limits**

ACGIH-TWA ACGIH-STEL OSHA-TWA OSHA-STEL  
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Isopropanol 200 ppm 400 ppm 400 ppm 500 ppm

Distillates, pet, lt dist hydrotreat  
Process, low-boil AND/OR Naphtha  
(pet), hydrotreated lt AND/OR Solvent  
Naphtha (pet), it aliph.

N/E N/E 500 ppm N/E

**Engineering Controls:**

Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

**Personal Protection**

**Eyes:**

Chemical safety goggles or safety glasses with side-shields. Chemical safety goggles/safety glasses

**Skin:**

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Respiratory:**

Use a properly fitted, air-purifying or air fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and safe working limits of the known respirator.

**Hand:**

Permeation resistant gloves, Butyl rubber gloves, Nitrile rubber gloves, Neoprene gloves.

**Additional Protective Measures:**

Employees should wash their hands and face before eating, drinking, or using tobacco products. Educate and train employees in the safe use and handling of this product. Emergency showers and eye wash stations should be available. Store separate from food products.

**SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES**

<b>Form:</b>	Liquid
<b>Appearance:</b>	Paste
<b>Odor:</b>	Hydrocarbon-like
<b>Solubility in Water:</b>	N/A
<b>PH:</b>	N/A

**Flash Point:** 54° F. **Boiling**  
**Range:** 180°F.  
**Evaporation Rate:** Slower than Ether  
**Vapor Density:** Heavier than Air  
**% Volatile by Weight:** 86.0 %  
**Specific Gravity:** 0.79  
**Lb. VOC/Gal. Coating:** 5.56  
**VOC g/l:** 666.23

#### SECTION X – STABILITY AND REACTIVITY

**Stability:**

This product is stable under normal storage and use conditions.

**Hazardous Polymerization:**

Will not occur.

**Incompatibility:**

Strong oxidizing agents, excessive heat.

**Hazardous Decomposition Products:**

Decomposition of the dry solids may generate irritating vapors, CO<sub>2</sub>, CO.

#### SECTION XI – TOXICOLOGICAL INFORMATION

**Toxicity Data for XS-4139-N**

**Toxicity Note:**

No data available for this product.

**Toxicity Data for Isopropanol**

**Component:**

**67-63-0:**

**Acute Oral Toxicity:**

LD50 (rat): 5,045 mg/kg

**Acute Inhalation:**

LC50 (rat): 16000 ppm

**Acute Dermal Toxicity:**

LD50 (rabbit): 12,800 mg/kg

**Skin Irritation:**

**Component:**

**67-63-0:**

Species: Rabbit

Result: Mild skin irritation.

**Eye Irritant:****Component:****67-63-0:**

Species: rabbit

Result: Irritating to eyes

**Respiratory or Skin Sensitization:****Component:****67-63-0:**

No data available.

**Germ Cell Mutagenicity:****Component:****67-63-0:**

Genetic Toxicity in Vitro: Test Type: Ames test  
Test species: Salmonella typhimurium  
Result: negative

Genotoxicity in vivo: Test Type: In vivo micronucleus test  
Test species: mouse  
Method: OECD Test Guideline 474  
Result: negative

Test Type: Dominant lethal assay  
Test species: mouse (male)  
Application Route: Inhalation (vapour)  
Exposure time: 6 h/d, 5 d/wk for 8 wks  
Dose: 0, 100, 400 ppm  
Result: negative

Germ cell mutagenicity-  
Assessment:

Did not show mutagenic effects in animal experiments.

**Component:****Carcinogenicity:**



**67-63-0:**

Species: rat

NOAEL: 5,000 ppm

Method: OECD Test Guideline 451

Carcinogenicity-Assessment: Not classified as a human carcinogen.

**Toxicity to Reproduction/Fertility:****Component:****67-63-0:**

Reproductive toxicity-

Assessment:

Animal testing did not show any effects on fertility. Did not show teratogenic effects in animal experiments.

**STOT – single exposure (Isopropanol)****Component:****67-63-0:**

<b>Exposure routes:</b>	<b>Target Organs:</b>	<b>Assessment:</b>	<b>Remarks:</b>
Inhalation	Central nervous system	May cause drowsiness or dizziness. The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with narcotic effects.	

**STOT – repeated exposure (Isopropanol)****Component:****67-63-0:**

No data available.

**Toxicity Data for VMP Naphtha:****Component:**

**68410-97-9/64742-49-0/64742-89-8:****Acute Oral Toxicity:**

LD50: &gt;5,000 mg/kg

Species: (rat, male and female)

Method: OECD Test Guideline 401

Assessment: The substance or mixture has no acute oral toxicity.

**Acute inhalation toxicity:**

Assessment: The component/mixture is toxic after short term inhalation.

**Acute dermal toxicity:**

LD50: &gt;2,000 mg/kg

Species: (rabbit, male and female)

Method: OECD Test Guideline 402

Assessment: The substance or mixture has no acute dermal toxicity.

**Skin irritation:****Component:****68410-97-9/64742-49-0/64742-89-8:**

Species: Rabbit

Exposure time: 4 h

Result: Irritating to skin.

Remarks: May cause skin irritation in susceptible persons.

**Eye irritation:****Component:****68410-97-9/64742-49-0/64742-89-8:**

Species: Rabbit

Result: Irritating to eyes.

**Respiratory or Skin Sensitization:****Component:****68410-97-9/64742-49-0/64742-89-8:**

Test Type: Buehler Test

Species: Guinea pig

Result: Did not cause sensitization on laboratory animals.

**Germ Cell Mutagenicity:****Component:****68410-97-9/64742-49-0/64742-89-8:**

Germ cell mutagenicity-

Assessment: Mutagenicity classification not possible from current data.

**Carcinogenicity:****Component:****68410-97-9/64742-49-0/64742-89-8:**

Carcinogenicity-Assessment: Carcinogenicity classification not possible from current data.

**Toxicity to Reproduction/Fertility:****Component:****68410-97-9/64742-49-0/64742-89-8:**

Reproductive toxicity-

Assessment:

Some evidence of adverse effects on sexual function and fertility, based on animal experiments.

**STOT – single exposure (VMP Naphtha)****Component:****68410-97-9/64742-49-0/64742-89-8:**

<b>Exposure routes:</b>	<b>Target Organs:</b>	<b>Assessment:</b>	<b>Remarks:</b>
Inhalation	Central nervous system	May cause drowsiness or dizziness. The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with narcotic effects.	

**STOT – repeated exposure (VMP Naphtha)****Component:****68410-97-9/64742-49-0/64742-89-8:**

<b>Exposure routes:</b>	<b>Target Organs:</b>	<b>Assessment:</b>	<b>Remarks:</b>
	Central nervous system, Peripheral nervous system	The substance or mixture is classified as specific target organ toxicant, repeated exposure, category 2.	

**Repeated dose Toxicity:****Component:****68410-97-9/64742-49-0/64742-89-8:**

Species: Rat, male and female

NOAEL: 1402

**Application Route:** inhalation (vapour)  
**Test atmosphere:** vapour  
**Exposure time:** 13  
**Number of exposures:** 6 hours/day, 5 day  
**Dose:** 322, 1402, 9869 mg/m<sup>3</sup>  
**GLP:** yes  
**Target Organs:** Kidney  
**Symptoms:** Nasal and ocular discharge

**Aspiration toxicity:**

**Component:**

**68410-97-9/64742-49-0/64742-89-8:**

May be fatal if swallowed and enters airways.

<b>SECTION XII – ECOLOGICAL INFORMATION</b>
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**Ecological Data for XS-4139-N**

**Additional Ecotoxicological Remarks:**

No data available for this product.

**Ecological Data for VMP Naphtha:**

**Ecotoxicity:**

**Component:**

**68410-97-9/64742-49-0/64742-89-8:**

**Toxicity to fish:** LC50 (Oncorhynchus mykiss (rainbow trout)): 8.2 mg/l  
 Exposure time: 96 h  
 Test Type: semi-static test

**Toxicity to daphnia and other aquatic invertebrates:** EC50 (Daphnia magna (Water flea)): 4.5 mg/l  
 Exposure time: 48 h  
 Test Type: Immobilization  
 Analytical monitoring: yes

**Toxicity to algae:** EC50 (Pseudokirchneriella subcapitata (green algae)): 3.7 mg/l  
 Exposure time: 96 h  
 Test Type: static test

**Ecotoxicology Assessment**

**Acute aquatic toxicity:** Toxic to aquatic life.

**Chronic aquatic toxicity:** Toxic to aquatic life with long lasting effects.

**Persistence and degradability:****Component:****68410-97-9/64742-49-0/64742-89-8:**

Biodegradability: Concentration: 49.2 mg/l  
Result: Readily biodegradable  
Biodegradation: 77 %  
Testing period: 2 d  
Exposure time: 28 d

**Mobility in soil:****Component:****68410-97-9/64742-49-0/64742-89-8:**

No data available

**Ecological Data for Isopropanol:****Ecotoxicity****Component:****67-63-0:**

Toxicity to fish: LC50: (Pimephales promelas (fathead minnow))> 1,000 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates: LC50: > 100 mg/l  
Exposure time: 48 h  
Species: Daphnia magna (Water flea)

Toxicity to algae: Remarks: No data available.

**Mobility in soil:****Component:****67-63-0:**

No data available

**SECTION XIII – DISPOSAL CONSIDERATIONS****Waste Disposal Method:**

Dispose of in accordance with Federal, State and Local regulations.

**SECTION XIV – TRANSPORTATION INFORMATION**

**Land transport (DOT):**

UN Number: 1133  
UN Packing Group: II  
UN Class: III  
DOT Hazard Class: Flammable Liquid

**Sea transport (IMDG):**

UN Number: 1133  
UN Packing Group: II  
UN Class: III

**Air transport (ICAO/IATA):**

UN Number: 1133  
UN Packing Group: II  
UN Class: III

**SECTION XV – REGULATORY INFORMATION****SARA Title III Section 313:**

This product contains the following substance(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act (40 CFR 372).

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**SARA Title III 312 Hazard Category (40 CFR 311/312):**

Acute Health:	Yes	Release of Pressure:	No
Chronic Health:	Yes	Reactive:	No
Fire:	Yes		

**US Federal Regulations (TSCA):**

This product is listed on the U.S. Toxic Substance Control Act inventory of chemicals or is otherwise compliant with TSCA regulations.

**SECTION XVI – OTHER INFORMATION****HMIS Rating:**

Health: 2

Flammability: 3  
Reactivity: 0  
PPE: B

**Date of Printing:** 11/2/2016

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