

SAFETY DATA SHEETS

This SDS packet was issued with item:

071899806

The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).

078034934

The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).

273022239

MATERIAL SAFETY DATA SHEET

CETYLITE® INDUSTRIES, INC.

9051 River Road
Pennsauken, NJ 08110-0700
Phone: 856-665-6111

Hazard Rating (NFPA 704)

Health	2	0=Least
Fire	1	1=Slight
Reactivity	0	2=Moderate
Special	none	3=High
		4=Extreme

EFFECTIVE DATE: 03/08/12

SECTION 1 - IDENTIFICATION

PRODUCT NAME: Cetylcide-G Diluent (Item # 0146)**MAIN HAZARDOUS
CHEMICAL INGREDIENTS****OSHA
PEL****ACGIH
TLV****CAS #**

Isopropyl alcohol	400 ppm	400 ppm	67-63-0
Propylene glycol	none	none	57-55-6
Sodium nitrite	15 mg/m ³	none	7632-00-0
Cetyldimethylethyl ammonium bromide	none	none	124-03-8
Alkyldimethylbenzyl ammonium chloride	none	none	68391-01-5
Sodium carbonate	15 mg/m ³	none	497-19-8
Ethylenediaminetetra acetic acid	none	none	64-02-8

Note: Substances listed as hazardous ingredients are those identified as being present at a concentration of 1% or greater, or 0.1% if the substance is classified and listed as a potential carcinogen by OSHA Hazard Communication Standard.

SECTION 2 - PHYSICAL DATA

BOILING POINT:	Not determined.
VAPOR PRESSURE AT 20°C:	Not determined.
VAPOR DENSITY (air=1):	Not determined.
SPECIFIC GRAVITY (H₂O=1):	Not determined.
SOLUBILITY IN WATER by wt:	Very soluble.
MELTING POINT:	N/A
EVAPORATION RATE (Butyl Acetate=1):	Not determined.
FREEZING POINT:	Not determined.
APPEARANCE AND ODOR:	liquid, yellow color, odorless.

Note: Mixture not tested as a whole.

SECTION 3 - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT(test method(s): Not determined.
FLAMMABLE LIMITS IN AIR(% by volume): **LOWER:** Not determined
UPPER: Not determined.
EXTINGUISHING MEDIA: CO₂; dry chemical; alcohol foam; water spray.
SPECIAL FIREFIGHTING PROCEDURES: Keep container and nearby structures cool with water spray. Wear positive-pressure, self-contained breathing apparatus.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Toxic fumes may be released.

SECTION 4 - REACTIVITY DATA

STABILITY: Stable under normal storage conditions.
INCOMPATIBILITY (materials to avoid): Strong oxidizing agents; prolonged exposure to heat.
HAZARDOUS DECOMPOSITION PRODUCTS: Nitrogen oxides; carbon monoxide; ammonia.
HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 5 - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:
 Eliminate all ignition sources. Contain spilled material. Transfer to secure containers. Prevent entry into drains or sewers. Use suitable absorbent materials.
WASTE DISPOSAL METHOD: Remove to permitted waste disposal facility or an approved incinerator in accordance with local, state and federal requirements. Empty container shall be rinsed before disposal.

SECTION 6 - HEALTH HAZARD DATA (Symptoms of Overexposure)

EYE CONTACT: Corrosive. May act as an allergen. Prolonged contact may cause corneal burns.
SKIN ABSORPTION: Corrosive. May act as an allergen.
INGESTION: Poison. Will cause irritation of digestive tract, dizziness and nausea. Large doses can produce cyanosis which can lead to death.
INHALATION: Will cause irritation of mucous membranes, coughing and shortness of breath.
SKIN CONTACT: Brief contact will cause itching with mild to moderate local redness and possibly swelling. Prolonged contact may result in pain, severe redness and swelling, with ulceration, tissue destruction, and possibly bleeding into the inflamed area.
SYSTEMIC AND OTHER EFFECTS: None reported. Isopropanol was reported to be fetotoxic. Under certain conditions sodium nitrite may react with secondary amines to form carcinogenic nitrosamines. Overexposure to sodium nitrite can induce methemoglobinemia. Contains trace amount of trisodium nitrilo triacetic acid which is listed as a potential carcinogen under OSHA Std. 20 CFR 1920.1200. Also listed by; NTP, IARC.

SECTION 7 - EMERGENCY AND FIRST AID PROCEDURES

EYES: Irrigate immediately with water for at least 15 minutes. Obtain medical advice of an ophthalmologist without delay.
SKIN: Wash off with soap and water. If irritation persists, seek medical advice.
INGESTION: If conscious drink water. Call a physician. If cyanosis develops give oxygen, provided a qualified operator is available.
INHALATION: Remove to fresh air if effects occur. Get medical attention.

NOTES TO PHYSICIAN: Monitor and treat for cyanosis. Mucosal damage may contraindicate the use of gastric lavage.

SECTION 8 - HANDLING PRECAUTIONS

EXPOSURE GUIDELINE(S): None established.

VENTILATION: Good general ventilation should be adequate.

RESPIRATORY PROTECTION (specify type): If respiratory irritation is experienced, use an approved air-purifying respirator with particulate/organic vapor cartridge.

PROTECTIVE GLOVES: Use impervious rubber gloves when prolonged or repeated contact could occur. Wash contaminated clothing before reuse.

EYE PROTECTION: Use goggles or safety glasses with eye shields.

SECTION 9 - ADDITIONAL INFORMATION

SPECIAL PRECAUTIONS TO BE TAKEN IN HANDLING: Store in a cool, dry, well ventilated place away from heat, open flames and incompatible materials. Keep container tightly closed when not in use. Do not reuse empty container. Avoid repeated skin contact and eyes exposure. Do not permit eating, drinking or smoking near material.

EPA-EPCRA - Section 313 (Listed Chemical): NONE

STATE RIGHT TO KNOW : 1,2-propanediol(PA1), Isopropanol(PA1,MSL-HS)

PA1= Pennsylvania Hazardous Substance

MSL-HS= Massachusetts Right To Know Substance List (Hazardous Substances)

DISCLAIMER:

The information herein given was derived solely from the main hazardous chemical ingredients MSDS on file at the time of this MSDS preparation. The information is given in good faith but no warranty, express or implied to the accuracy, completeness or adequacy of the information contained in this MSDS is made. We assume no warranties of fitness or liability from the use of this product. Since the conditions for use, handling, storage and disposal of this product are beyond Cetylite control, users should make their own investigations to determine the suitability of the information for their particular purposes. Users assume liability for damage, or expense arising out of product's improper use. Various Federal, State or Provincial agencies may have specific regulations concerning the transportation, handling, storage, use or disposal of this product which may not be reflected in this MSDS. The user should review these regulations to ensure full compliance.

**CETYLITE®**

SAFETY DATA SHEET

Cetylcide-G**SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION****1.1 Trade Name (as labeled):****Cetylcide-G**

Synonyms:

Glutaraldehyde, 50% Aqueous Solution

CAS No:

Mixture

1.2 Product Use:

High-level disinfectant/sterilant

1.3 Company Name:**Cetylite**

Company Address:

9051 River Road

Company Address Cont:

Pennsauken, NJ 08110

Business Phone:

(800) 257-7740 or (856) 665-6111

Website:

www.cetylite.com**1.4 Emergency Telephone Number:**

(800) 257-7740

Date of Current Revision:

August 15, 2016

Date of Last Revision:

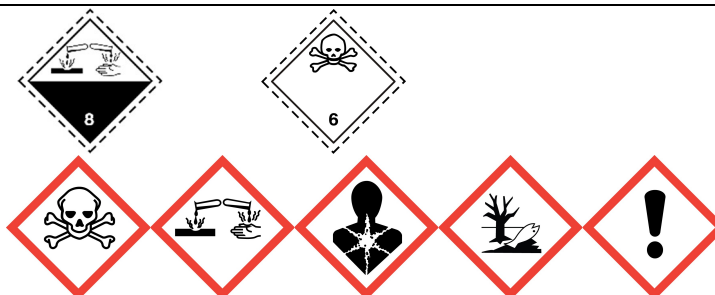
June 3, 2013

SECTION 2 - HAZARD IDENTIFICATION

EMERGENCY OVERVIEW: This product is a transparent green liquid with a floral odor. Corrosive: May cause irreversible eye damage. Causes burns. Harmful if inhaled. May be fatal if swallowed. Harmful if absorbed through skin. Prolonged or repeated skin contact may cause allergic skin reaction in some individuals. Aspiration hazard. Can enter lungs and cause damage. Exposure to mist/vapor may cause respiratory irritation.

This product is a non-flammable liquid.

The Environmental effects of this product have not been investigated. Release of this product is anticipated to have adverse effects in the aquatic environment.

US DOT Symbols:**EU and GHS Symbols:**

Signal Word:

Danger!

2.1 CLASSIFICATION OF SUBSTANCE OR MIXTURE IN ACCORDANCE WITH 29 CFR 1200 (OSHA HCS) AND THE EUROPEAN UNION DIRECTIVES:

This product does meet the definition of a hazardous substance or preparation as defined by 29 CFR 1910. 1200 or the European Union Council Directives 67/548/EEC, 1999/45/EC, 1272/2008/EC and subsequent Directives.

EU HAZARD CLASSIFICATION OF INGREDIENTS PER DIRECTIVE 1272/2008/EC:

Index Number:

EC# 203-856-5 Annex I Index# 605-022-00-X

EC# 231-791-2 this substance is not classified in the Annex I of Directive 67/548/EEC

Substances not listed either individually or in group entries must be self classified.

Components Contributing to Classification: Glutaraldehyde 50%

2.2 Label Elements:**GHS Hazard Classifications:**

Acute Toxicity Category 3 (Inhalation, Oral)

Skin Corrosion/Irritation Category 1B

Respiratory Sensitizer Category 1

Skin Sensitizer Category 1

Acute Aquatic Toxicity Category 1

Hazard Statements:

H301: Toxic if swallowed

H331: Toxic if inhaled

H314: Causes severe skin burns and eye damage

H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled

H317: May cause allergic skin reaction

H400: Very toxic to aquatic life

Prevention Statements:

P260: Do not breathe dusts or mists.
 P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
 P264: Wash hands thoroughly after handling
 P270: Do not eat, drink or smoke when using this product.
 P271: Use only outdoors or in a well-ventilated area.
 P272: Contaminated work clothing should not be allowed out of the workplace.
 P280: Wear protective gloves/protective clothing/eye protection/face protection
 P284: [In case of inadequate ventilation] wear respiratory protection.
 P273 Avoid release to the environment

Response Statements:

P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P301+P312: IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
 P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
 P330: Rinse mouth.
 P363: Wash contaminated clothing before reuse.
 P302+ P352 IF ON SKIN: Wash with plenty of water.
 P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.
 P362+P364 Take off contaminated clothing and wash it before reuse
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P342+P311: If experiencing respiratory symptoms: Call a POISON CENTER/doctor.
 P391: Collect spillage
 P312: Call a POISON CENTER/doctor if you feel unwell.
 P403+P233: Store in well-ventilated place. Keep container tightly closed.
 P405: Store locked up.

Storage Statements:**Disposal Statements:**

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other Hazards:

None Applicable

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredients:	WT%	CAS No.	EINECS No.	Hazard Classification
Glutaraldehyde 50%	<50%	111-30-8	203-856-5	Acute Tox Cat 3 (Oral, Inhalation), Skin Corr Cat 1B, Skin Sensitization Cat 1, Respiratory Sensitization Cat 1, Aquatic Acute Cat 1
Water	<50%	7732-18-5	231-791-2	Not Classified
Green Floral Fragrance	<5%	Proprietary	Proprietary	Not Classified

Balance of other ingredients are non-hazardous or less than 1% in concentration (or 0.1% for carcinogens, reproductive toxins, or respiratory sensitizers).

* Proprietary ingredients are Company Trade Secret - Business Confidential. Cetylite is withholding the specific chemical identity under provision of the OSHA Hazard Communication Rule Trade Secrets (1910.1200(i)(1)). The specific chemical identity will be made available to health professionals in accordance with 29 CFR 1910.1200 (i)(1) (2) (3) (4)..

Note: All WHMIS required information is included in appropriate sections based on the ANSI Z400.1-2010 format. This product has been classified in accordance with the hazard criteria of the CPR and the SDS contains all the information required by the CPR, EU Directives and the Japanese Industrial Standard JIS Z 7250:2000

SECTION 4 - FIRST AID MEASURES**4.1 Description of First Aid Measures:****Eye Contact:**

If product enters the eyes, flush with plenty of water or eye wash solution for several minutes. Remove contacts if present and easy to do. Seek medical attention if irritation persists.

Skin Contact:

Wash skin thoroughly with soap and water after handling. Seek medical attention if irritation develops and persists.

Inhalation:

If breathing becomes difficult, remove victim to fresh air. If necessary, use artificial respiration to support vital functions. Seek medical attention.

Ingestion:**Medical Conditions Generally Aggravated by Exposure:****4.2 Symptoms and Effects Both Acute and Delayed:****4.3 Recommendations to Physicians:****SECTION 5 - FIRE FIGHTING MEASURES****5.1 Fire Extinguishing Materials:**

Use the following fire extinguishing materials:

Water Spray: Yes **Carbon Dioxide:** Yes
Foam: Yes **Dry Chemical:** Yes
Halon: Yes **Other:** Any "C" Class

5.2 Unusual Fire and Explosion Hazards:

Under fire conditions some components may decompose. The smoke may contain unidentified toxic and/or irritating compounds. The material will not burn until the water has evaporated.

Explosive Sensitivity to Mechanical Impact:







No

Explosive Sensitivity to Static Discharge:

No

5.3 Special Fire-Fighting Procedures:

- Incipient fire responders should wear eye protection.
- Structural firefighters must wear Self-Contained Breathing Apparatus (SCBA) and full protective equipment.
- Isolate materials not yet involved in the fire and protect personnel. Move containers from fire area if this can be done without risk; otherwise, cool with carefully applied water spray.
- If possible, prevent run-off water from entering storm drains, bodies of water, or other environmentally sensitive areas.

NFPA RATING SYSTEM		HMIS RATING SYSTEM									
<div>Flammability</div> <div>Health</div> <div>Reactivity</div> <div>Other</div> <div><div><div>0</div><div>3</div><div>-</div><div>0</div></div></div>		<div>HAZARDOUS MATERIAL IDENTIFICATION SYSTEM</div> <div><div>HEALTH HAZARD (BLUE)</div><div>3</div></div> <div><div>FLAMMABILITY HAZARD (RED)</div><div>0</div></div> <div><div>PHYSICAL HAZARD (YELLOW)</div><div>0</div></div>									
<div>PROTECTIVE EQUIPMENT</div> <table><tr><th>EYES</th><th>RESPIRATORY</th><th>HANDS</th><th>BODY</th></tr><tr><td></td><td>See Sect 8</td><td></td><td>See Sect 8</td></tr></table> <div>For Routine Industrial Use and Handling Applications</div>				EYES	RESPIRATORY	HANDS	BODY		See Sect 8		See Sect 8
EYES	RESPIRATORY	HANDS	BODY								
	See Sect 8		See Sect 8								
Hazard Scale: 0 = Minimum 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic Hazard											

SECTION 6 - ACCIDENTAL RELEASE MEASURES (STEPS FOR SPILLS)**6.1 Personal Precautions, Protective Equipment and Emergency Procedures:**

Cetylite

Cetylcide-G

Use cautious judgment when cleaning up spill. Wear suitable protective clothing, gloves, and eye/face protection.

6.2 Environmental Precautions:

Construct a dike to prevent spreading. Keep out of sewers, storm drains, surface waters, and soils.

6.3 Spill and Leak Response:

Small Spills:

- Collect material via broom or mop. Place in tightly sealed container for proper disposal. Approach spill areas with caution.
- If liquid was introduced, create a dike or trench to contain material. Soak up with absorbent material such as clay, sand or other suitable non-reactive material.
- Place in leak-proof containers. Seal tightly for proper disposal.
- Dispose of in accordance with U.S. Federal, State, and local hazardous waste disposal regulations and those of Canada and its Provinces, those of Australia, Japan and EU Member States (see Section 13, Disposal Considerations).

Large Spills:

SECTION 7 - HANDLING AND STORAGE

7.1 Precautions for Safe Handling:

To prevent eye contact under the foreseeable conditions of use, wear appropriate safety eyewear. When handling, do not eat, drink, or smoke. Wash thoroughly after handling. Do not handle or store near heat, sparks, or flame.

7.2 Storage and Handling Practices:

Keep away from incompatible materials. Keep container closed when not in use and store in well ventilated area.

7.3 Specific Uses:

High-level disinfectant / sterilant.

SECTION 8 - EXPOSURE CONTROL/PERSONAL PROTECTION

8.1 Exposure Parameters:

<u>Ingredients</u>	<u>CAS No.</u>	<u>OSHA PEL</u>	<u>NIOSH PEL</u>
Glutaraldehyde 50%	111-30-8	0.8 mg/m ³ Ceiling	0.2 mg/m ³ Ceiling
Water	7732-18-5	Not Listed	Not Listed
Green Floral Fragrance	Proprietary	Not Listed	Not Listed

8.2 Exposure Controls:

Ventilation and Engineering Controls:

The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132), or standards of EU member states (including EN 149 for respiratory PPE, and EN 166 for face/eye protection), and those of Japan. Please reference applicable regulations and standards for relevant details.

Respiratory Protection:

Use with adequate ventilation to ensure exposure levels are maintained below the limits provided above.

Maintain airborne contaminant concentrations below guidelines listed above, if applicable. If necessary, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent U.S. State standards, Canadian CSA Standard Z94.4-93, the European Standard EN149, or EU member states.

Safety glasses or goggles are recommended.

Eye Protection:

If necessary, refer to U.S. OSHA 29 CFR 1910.133, Canadian Standards, and the European Standard EN166, Australian Standards, or relevant Japanese Standards.

Hand Protection:

Chemical resistant gloves are recommended to prevent skin contact. If necessary, refer to U.S. OSHA 29 CFR 1910.138, the European Standard DIN EN 374, the appropriate Standards of Canada, Australian Standards, or relevant Japanese Standards.

Body Protection:

Use body protect appropriate to task being performed.

If necessary, refer to appropriate Standards of Canada, or appropriate Standards of the EU, Australian Standards, or relevant Japanese Standards. If a hazard of injury to the feet exists due to falling objects, rolling objects, where objects may pierce the soles of the feet or where employee's feet may be exposed to electrical hazards, use foot protection, as described in U.S. OSHA 29 CFR 1910.136.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on Basic Physical and Chemical Properties:****Appearance (Physical State and Color):** Transparent green liquid with a floral odor.**Odor:** Floral odor**Odor Threshold:** No data available**pH:** Not Available**Melting/Freezing Point:** No data available**Boiling Point:** 212°F**Flash Point:** No data available**Evaporation Rate:** No data available**Flammability (Solid; Gas):** No data available**Upper/Lower Flammability or Explosion Limits:** No data available**Vapor Pressure (mm Hg @ 20°C (68° F):** No data available**Vapor Density:** No data available**Relative Density:** Not Available**Specific Gravity:** >1.00 @20°C**Solubility in Water:** No data available**Weight per Gallon:** No data available**Partition Coefficient (n-octanol/water):** No data available**Auto-Ignition Temperature:** No data available**Decomposition Temperature:** No data available**Viscosity:** No data available**9.2 Other Information:**

No data available

SECTION 10 - STABILITY AND REACTIVITY**10.1 Reactivity:**

This product is not reactive.

10.2 Stability:

Stable under conditions of normal storage and use.

10.3 Possibility of Hazardous Reactions:

Not identified.

10.4 Conditions to Avoid:

Contact with incompatible materials, extreme temperatures.

10.5 Incompatible Substances:

Strong acids.

10.6 Hazardous Decomposition Products:

When heated to decomposition this product may contain unidentified toxic and/or irritating compounds.

SECTION 11 - TOXICOLOGICAL INFORMATION**11.1 Information on Toxicological Effects:****Toxicity Data:**

Product Mixture	LD50 Oral – Rat	200 mg/kg
	LD50 Dermal – Rabbit	1749 mg/kg

Acute toxicity	Acute Toxicity Category 3 (Inhalation, Oral)
Skin corrosion / irritation	Skin Corrosion/Irritation Category 1B
Serious eye damage / irritation	Based on available data, the classification criteria are not met
Respiratory or skin sensitization	Respiratory Sensitizer Category 1, Skin Sensitizer Category 1
Germ cell mutagenicity	Based on available data, the classification criteria are not met
Carcinogenicity	Based on available data, the classification criteria are not met
Reproductive toxicity	Based on available data, the classification criteria are not met
STOT-single exposure	STOT SE Category 3
STOT-repeated exposure	Based on available data, the classification criteria are not met
Aspiration hazard	Based on available data, the classification criteria are not met

Routes of Exposure:**Symptoms of Overexposure by Route of Exposure:**

The most significant routes of overexposure for this product are by contact with skin or eyes, ingestion or inhalation. The symptoms of overexposure are described in the following paragraphs.

Acute:

Inhalation: Inhalation of vapors may severe irritation of the upper respiratory system. Vapor may cause serious adverse effects including death. May cause allergic reaction.

Skin Contact: Brief contact with skin may cause skin irritation with local redness. Prolonged contact may cause severe skin burns. Skin contact may cause allergic skin reaction

Eye Contact: Vapours and direct contact to the eyes may be irritating.

Ingestion: Swallowing may result in irritation or burns of the mouth, throat and gastrointestinal system. May be fatal if swallowed.

Chronic: None known

Target Organs:

Acute: Skin, Respiratory System
Chronic: None known

Suspected Cancer Agent:**Irritancy:****Sensitization to the Product:****Germ Cell Mutagenicity:****Reproductive Toxicity:**

None of the ingredients are found on the following lists: FEDERAL OSHA Z LIST, NTP, CAL/OSHA, IARC and therefore is not considered to be, nor suspected to be a cancer-causing agent by these agencies. Contact with this product can be irritating to exposed skin, eyes and respiratory system.

This product is expected to cause skin and respiratory sensitization. This product does not contain ingredients that are suspected to be a germ cell mutagenic.

This product is not expected to be a human reproductive toxicant.

SECTION 12 - ECOLOGICAL INFORMATION**12.1 Toxicity:**

No specific data available on this product.

12.2 Persistence and Degradability:

No specific data available on this product.

12.3 Bioaccumulative Potential:

No specific data available on this product.

12.4 Mobility in Soil:

No specific data available on this product.

12.5 Results of PBT and vPvB Assessment:

No specific data available on this product.

12.6 Other Adverse Effects:

No data available.

12.7 Water Endangerment Class:

At present, there are no ecotoxicological assessments for this product.

SECTION 13 - DISPOSAL CONSIDERATIONS**13.1 Waste Treatment Methods:**

Waste disposal must be in accordance with appropriate U.S. Federal, State, and local regulations, those of Australia, EU Member States and Japan.

13.2 EU Waste Code:

Not determined

SECTION 14 - TRANSPORTATION INFORMATION**14.1 U.S. Department of Transportation (DOT) Shipping Regulations:**

This product is classified (per 49 CFR 172.101) by the U.S. Department of Transportation, as follows.

UN Identification Number:

UN2922

Proper Shipping Name:

Corrosive liquid, Toxic, n.o.s. (Contains Glutaraldehyde 50%)

Hazard Class Number and Description:

Class 8 Corrosive, Sub Class 6.1 Toxic

Packing Group:

PGII

DOT Label(s) Required:

Class 8 Corrosive, Sub Class 6.1 Toxic

North American Emergency Response Guidebook Number:

154

14.2 Environmental Hazards:**Marine Pollutant:**

One of the ingredients are classified by the DOT as a Marine Pollutant (as defined by 49 CFR 172.101, Appendix B)

14.3 Special Precaution for User:

None

14.4 International Air Transport Association Shipping Information (IATA):

This product is considered as dangerous goods.

14.5 International Maritime Organization Shipping Information (IMO):

This product is considered as dangerous goods.

SECTION 15 - REGULATORY INFORMATION**15.1 Safety, Health and Environmental Regulations Specific for the Substance or Mixture:**United States Regulations:**U.S. SARA Reporting Requirements:**

The components of this product are not subject to the reporting requirements of Sections 302, 304, and 313 of Title III of the Superfund Amendments and Reauthorization Act. None known

U.S. SARA 311/312:

Acute Health: Yes; Chronic Health: No; Fire: No; Reactivity: No

U.S. SARA 313: None known**U.S. CERCLA Reportable Quantity:**

None known

U.S. TSCA Inventory Status:

The components of this product are listed on the TSCA Inventory or are exempted from listing.

Other U.S. Federal Regulations:

None known

California Safe Drinking Water and Toxic Enforcement Act (Proposition 65): This product does not contain ingredients on the Proposition 65 Lists.

15.2 Canadian Regulations:**Canadian DSL/NDL Inventory Status:**

Components are DSL Listed, NDL Listed and/or are exempt from listing

Other Canadian Regulations:

Not applicable

Canadian Environmental Protection Act (CEPA) Priorities Substances Lists:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all of the information required by those regulations.

Canadian WHMIS Classification and Symbols:

Classified per WHMIS 2015 Controlled Product Regulations.

15.3 European Economic Community Information:

This product meets the definition of a hazardous substance or preparation as defined by the European Union Council Directives 67/548/EEC, 1999/45/EC, 1272/2008/EC and subsequent Directives. See Section 2 for Details.

Chemical Safety Assessment:

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

15.4 Australian Information for Product:

Components of this product are listed on the International Chemical Inventory list.

15.5 Japanese Information for Product:

Japanese Minister of International Trade and Industry (MITI) Status: The components of this product are not listed as Class I specified Chemical Substances, Class II Specified Chemical Substances, or Designated Chemical Substances by the Japanese MITI.

15.6 International Chemical Inventories:

Listing of the components on individual country Chemical Inventories is as follows:

Australian Inventory of Chemical Substances (AICS): Listed

Korean Existing Chemicals List (ECL): Listed

Japanese Existing National Inventory of Chemical Substances (ENCS): Listed

Philippines Inventory of Chemicals and Chemical Substances (PICCS): Listed

U.S. TSCA: Listed

SECTION 16 - ADDITIONAL INFORMATION

Prepared By: Chris Eigbrett (MSDS to GHS Compliance)

Date of Printing: August 15, 2016

The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of the need that information is current, applicable and suited to the circumstances of use. This safety sheet cannot cover all possible situations which the user may experience during processing. Each aspect of your operation should be examined to determine if, or where, additional precautions may be necessary. All health and safety information contained in this bulletin should be provided to your employees or customers. Cetv-lite assumes no responsibility for injury to vendee or third party person proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, Cetv-lite assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Compliance with all applicable federal, state, and local laws and local regulations remains the responsibility of the user.

END OF SDS SHEET

**SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION**

PRODUCT NAME: **Cetylclide-G Diluent**
 CHEMICAL NAME: Mixture
 U.N. NUMBER: UN1987
 U.N. DANGEROUS GOODS CLASS: Alcohols, n.o.s. Class 3, PGIII
 SUPPLIER/MANUFACTURER'S NAME: **Cetylite Industries, Inc.**
 ADDRESS: 9051 River Road, Pennsauken, NJ 08110 USA
 EMERGENCY PHONE: (800) 257-7740
 BUSINESS PHONE: (800) 257-7740 or (856) 665-6111
 FAX NUMBER: (856) 665-5408
 DATE OF PREPARATION: August 8, 2013
 DATE OF LAST REVISION: March 8, 2012

SECTION 2 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: This product is a yellow colored liquid with a slight odor. May cause serious eye damage. Harmful if swallowed. Inhalation of vapors can cause drowsiness or dizziness. Irritating to skin and respiratory system.

This product is a Flammable liquid with a flash point of 88°F

The Environmental effects of this product have not been investigated. Release of this product is anticipated to have adverse effects in the aquatic environment.

US DOT SYMBOLS



CANADA (WHMIS) SYMBOLS



EUROPEAN and (GHS) Hazard Symbols

Signal Word: **Danger!****EU LABELING AND CLASSIFICATION:**

Classification of the substance or mixture according to Regulation (EC) No1272/2008 Annex 1

EC# 231-791-2 this substance are not classified in the Annex I of Directive 67/548/EEC

EC# 200-661-7 Annex I Index# 603-117-00-0

EC# 200-338-0 this substance are not classified in the Annex I of Directive 67/548/EEC

EC# 231-555-9 Annex I Index# 007-010-00-4

EC# 269-919-4 this substance are not classified in the Annex I of Directive 67/548/EEC

EC# 204-672-8 this substance are not classified in the Annex I of Directive 67/548/EEC

EC# 207-838-8 Annex I Index# 011-005-00-2

EC# 200-449-4 Annex I Index# 607-429-00-8

Substances not listed either individually or in group entries must be self classified.

Component(s) Contributing to Classification(s)

Isopropyl Alcohol, Sodium Nitrite, Sodium Carbonate Monohydrate, Edetic Acid

GHS Hazard Classification(s):

Flammable liquid Category 2

Eye Irritant Category 2A

STOT SE Category 3

Acute Oral Toxicity Category 3

Acute Aquatic Toxicity Category 1

Hazard Statement(s):

H225: Flammable liquid and vapor

H301: Toxic if swallowed

H319: Causes serious eye irritation

H336: May cause drowsiness or dizziness

H400: Very toxic to aquatic life

Precautionary Statement(s):

P261: Avoid breathing mist/vapors/spray

P264: Wash hands thoroughly after handling

P273: Avoid release to the environment

P280: Wear protective gloves/protective clothing/eye protection/face protection

**EU HAZARD CLASSIFICATION PER DIRECTIVE 1999/45/EC:**

[F] Flammable, [Xi] Irritant, [T] Toxic, [N] Dangerous to the Environment

Risk Phrases:

R25: Toxic if swallowed
 R36/37/38: Irritating to eye, respiratory system and skin
 R50: Very toxic to aquatic organisms
 R67: Vapors may cause drowsiness and dizziness

Safety Phrases:

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 S36/37: Wear suitable protective clothing and gloves.
 S46: If swallowed, seek medical advice immediately and show label
 S61: Avoid release to the environment

HEALTH HAZARDS OR RISKS FROM EXPOSURE:

SYMPTOMS OF OVEREXPOSURE BY ROUTE OF EXPOSURE: The most significant routes of overexposure for this product are by contact with skin or eyes, ingestion or inhalation. The symptoms of overexposure are described in the following paragraphs.

INHALATION: Inhalation of vapors may irritation of the upper respiratory system.

CONTACT WITH SKIN or EYES: Contact with skin may cause skin irritation with local redness. Eye contact may result in irritation with corneal damage.

INGESTION: Swallowing may result in irritation of the mouth, throat and gastrointestinal system. Harmful if swallowed.

CHRONIC: None known

TARGET ORGANS: Acute: Skin, eyes, respiratory tract

Chronic: None known

SECTION 3 - COMPOSITION and INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS:	CAS #	EINECS #	ICSC #	WT %	HAZARD CLASSIFICATION; RISK PHRASES
Water	7732-18-5	231-791-2	Not Listed	45 - 55%	HAZARD CLASSIFICATION: None RISK PHRASES: None
Isopropyl Alcohol	67-63-0	200-661-7	0554	10 - 20%	HAZARD CLASSIFICATION: [F] Flammable, [Xi] Irritant RISK PHRASES: R11, R36, R67
Propylene Glycol	57-55-6	200-338-0	0321	5 - 15%	HAZARD CLASSIFICATION: [Xi] Irritant RISK PHRASES: R36/38
Sodium Nitrite	7632-00-0	231-555-9	1120	5 - 15%	HAZARD CLASSIFICATION: [O] Oxidizer, [T] Toxic, [N] Dangerous to the Environment RISK PHRASES: R8, R25, R50
Alkyl Dimethyl Benzyl Ammonium Chloride (12-18)	68391-01-5	269-919-4	Not Listed	5 - 10%	HAZARD CLASSIFICATION: [Xi] Irritant RISK PHRASES: R36/37/38
Cetyldimethylethylammonium Bromide	124-03-8	204-672-8	Not Listed	5 - 10%	HAZARD CLASSIFICATION: [Xi] Irritant RISK PHRASES: R36/38
Sodium Carbonate Monohydrate	497-19-8	207-838-8	1135	1 - 5%	HAZARD CLASSIFICATION: [Xi] Irritant RISK PHRASES: R36
Edetic Acid	60-00-4	200-449-4	1688	1 - 5%	HAZARD CLASSIFICATION: [Xi] Irritant RISK PHRASES: R36
Balance of other ingredients are non-hazardous or less than 1% in concentration (or 0.1% for carcinogens, reproductive toxins, or respiratory sensitizers).					

NOTE: ALL WHMIS required information is included in appropriate sections based on the ANSI Z400.1-2004 format. This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR, EU Directives, Latin America, South America and the Japanese Industrial Standard JIS Z 7250: 2000.

SECTION 4 - FIRST-AID MEASURES

Contaminated individuals of chemical exposure must be taken for medical attention if any adverse effect occurs. Rescuers should be taken for medical attention, if necessary. Take copy of label and MSDS to health professional with contaminated individual.

EYE CONTACT: If product enters the eyes, open eyes while under gentle running water for at least 15 minutes. Remove contact lenses if present. Seek medical attention.

**Cetylside-G Diluent**

SKIN CONTACT: Wash skin thoroughly after handling. Seek medical attention. Remove contaminated clothing. Launder before re-use.

INHALATION: If breathing becomes difficult, remove victim to fresh air. If necessary, use artificial respiration to support vital functions. Seek medical attention if breathing difficulty continues.

INGESTION: If product is swallowed, call physician or poison control center for most current information. If professional advice is not available, do not induce vomiting. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or who cannot swallow. Seek medical advice. Take a copy of the label and/or MSDS with the victim to the health professional.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Pre-existing skin, or respiratory problems may be aggravated by prolonged exposure to this product.

RECOMMENDATIONS TO PHYSICIANS: Treat symptoms and reduce over-exposure.

SECTION 5 - FIRE-FIGHTING MEASURES

FLASH POINT:

88.2°F (31.2°C)

AUTOIGNITION TEMPERATURE:

>750°F (399°C)

FLAMMABLE LIMITS (in air by volume, %):

Lower (LEL): 2.0% Upper (UEL): 12%

FIRE EXTINGUISHING MATERIALS:

Dry chemical, foam, carbon dioxide or water fog.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Flammable concentrations of vapor can accumulate above flash point listed above. Under fire conditions some components may decompose. The smoke may contain unidentified toxic and/or irritating compounds. The material will not burn until the water has evaporated.

Explosion Sensitivity to Mechanical Impact:

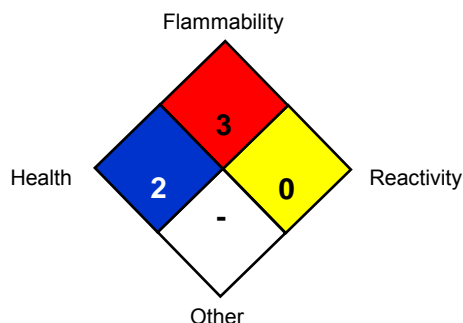
No



Explosion Sensitivity to Static Discharge:

Yes

SPECIAL FIRE-FIGHTING PROCEDURES:

Incipient fire responders should wear eye protection. Structural firefighters must wear Self-Contained Breathing Apparatus and full protective equipment. Isolate materials not yet involved in the fire and protect personnel. Move containers from fire area if this can be done without risk; otherwise, cool with carefully applied water spray. If possible, prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas.

NFPA RATING SYSTEM**HMIS RATING SYSTEM**

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM			
HEALTH HAZARD (BLUE)			2
FLAMMABILITY HAZARD (RED)			3
PHYSICAL HAZARD (YELLOW)			0
PROTECTIVE EQUIPMENT			
EYES	RESPIRATORY	HANDS	BODY
	See Sect 8		See Sect 8
For Routine Industrial Use and Handling Applications			

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

SECTION 6 - ACCIDENTAL RELEASE MEASURES

SPILL AND LEAK RESPONSE: Personnel should be trained for spill response operations.

SPILLS: Contain spill if safe to do so. Eliminate all sources of ignition. Always wear proper PPE. Prevent entry into drains, sewers, and other waterways. Soak up with an absorbent material and place in an appropriate closed container for disposal. Dispose of in accordance with applicable Federal, State, and local procedures (see Section 13, Disposal Considerations).

**SECTION 7 - HANDLING and STORAGE**

WORK PRACTICES AND HYGIENE PRACTICES: As with all chemicals, avoid getting this product ON YOU or IN YOU. Wash thoroughly after handling this product. Do not eat, drink, smoke, or apply cosmetics while handling this product. Avoid breathing vapors/mists/sprays generated by this product. Use in a well-ventilated location. Remove contaminated clothing immediately.

STORAGE AND HANDLING PRACTICES: Containers of this product must be properly labeled. Store containers in a cool, dry location away from heat and sources of ignition. Keep container tightly closed when not in use. Store away from incompatible materials.

SECTION 8 - EXPOSURE CONTROLS - PERSONAL PROTECTION**EXPOSURE LIMITS/GUIDELINES:**

Chemical Name	CAS#	ACGIH TWA	OSHA TWA
Water	7732-18-5	Not Listed	Not Listed
Isopropyl Alcohol	67-63-0	200 ppm	400 ppm
Propylene Glycol	57-55-6	Not Listed	Not Listed
Sodium Nitrite	7632-00-0	10 mg/m ³	15 mg/m ³
Alkyl Dimethyl Benzyl Ammonium Chloride (12-18)	68391-01-5	Not Listed	Not Listed
Cetyldimethylethylammonium Bromide	124-03-8	Not Listed	Not Listed
Sodium Carbonate Monohydrate	497-19-8	Not Listed	Not Listed
Edetic Acid	60-00-4	Not Listed	Not Listed

Currently, International exposure limits are not established for the components of this product. Please check with competent authority in each country for the most recent limits in place.

VENTILATION AND ENGINEERING CONTROLS: Use with adequate ventilation to ensure exposure levels are maintained below the limits provided below. Use local exhaust ventilation to control airborne mist/vapor/dust. Ensure eyewash/safety shower stations are available near areas where this product is used.

The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132) or equivalent standard of Canada, or standards of EU member states (including EN 149 for respiratory PPE, and EN 166 for face/eye protection), and those of Japan. Please reference applicable regulations and standards for relevant details.

RESPIRATORY PROTECTION: Maintain airborne contaminant concentrations below guidelines listed above, if applicable. If necessary, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent U.S. State standards, Canadian CSA Standard Z94.4-93, the European Standard EN149, or EU member states.

EYE PROTECTION: Splash goggles or safety glasses with side shields recommended where splashing is possible. If necessary, refer to U.S. OSHA 29 CFR 1910.133, Canadian Standards, and the European Standard EN166, Australian Standards, or relevant Japanese Standards.

HAND PROTECTION: Compatible protective gloves recommended as appropriate for task. Wash hands after removing gloves. If necessary, refer to U.S. OSHA 29 CFR 1910.138, the European Standard DIN EN 374, the appropriate Standards of Canada, Australian Standards, or relevant Japanese Standards.

BODY PROTECTION: Use body protection appropriate to prevent contact (e.g. lab coat, overalls). If necessary, refer to appropriate Standards of Canada, or appropriate Standards of the EU, Australian Standards, or relevant Japanese Standards.

SECTION 9 - PHYSICAL and CHEMICAL PROPERTIES

PHYSICAL STATE:
APPEARANCE & ODOR:
ODOR THRESHOLD (PPM):

Liquid
This product is a yellow colored liquid with a slight odor.
Not Available



VAPOR PRESSURE (mmHg):	Not Available
VAPOR DENSITY (AIR=1):	Not Available
EVAPORATION RATE (nBuAc = 1):	Not Available
BOILING POINT (C°):	212°F
FREEZING POINT (C°):	Not Available
pH:	8.0
SPECIFIC GRAVITY 20°C: (WATER =1)	1.034
SOLUBILITY IN WATER (%)	Not Available
VOC:	45%

SECTION 10 - STABILITY and REACTIVITY

STABILITY: Product is stable

DECOMPOSITION PRODUCTS: When heated to decomposition this product may contain carbon dioxide, carbon monoxide and unidentified toxic and/or irritating compounds.

MATERIALS WITH WHICH SUBSTANCE IS INCOMPATIBLE: Strong oxidizing agents

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Contact with incompatible materials, ignition sources.

SECTION 11 - TOXICOLOGICAL INFORMATION

TOXICITY DATA: Toxicity data not available for mixture:

CAS# 67-63-0

Oral LD50 Rat: = 4,700 – 5,800 mg/kg

CAS# 57-55-6

Oral LD50 Rat: = 20,000 mg/kg

CAS# 7632-00-0

Oral LD50 Rat: = 180 mg/kg

SUSPECTED CANCER AGENT: None of the ingredients are found on the following lists: FEDERAL OSHA Z LIST, NTP, CAL/OSHA, IARC and therefore is not considered to be, nor suspected to be a cancer-causing agent by these agencies.

IRRITANCY OF PRODUCT: Contact with this product can be irritating to exposed skin, eyes and respiratory system.

SENSITIZATION OF PRODUCT: This product is not considered a skin and respiratory sensitizer.

REPRODUCTIVE TOXICITY INFORMATION: No data available

SECTION 12 - ECOLOGICAL INFORMATION

ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.

ENVIRONMENTAL STABILITY: No Data available at this time.

EFFECT OF MATERIAL ON PLANTS or ANIMALS: No Data available at this time.

EFFECT OF CHEMICAL ON AQUATIC LIFE: No Data available at this time.

SECTION 13 - DISPOSAL CONSIDERATIONS

PREPARING WASTES FOR DISPOSAL: Waste disposal must be in accordance with appropriate Federal, State, and local regulations, those of Canada, EU Member States and Japan.

SECTION 14 - TRANSPORTATION INFORMATION

US DOT; IATA; IMO; ADR:

THIS PRODUCT IS HAZARDOUS AS DEFINED BY 49 CFR 172.101 BY THE U.S. DEPARTMENT OF TRANSPORTATION.

PROPER SHIPPING NAME: Alcohols, n.o.s.

HAZARD CLASS NUMBER and DESCRIPTION: Flammable liquid Class 3

UN IDENTIFICATION NUMBER: UN1987

PACKING GROUP: PGIII

DOT LABEL(S) REQUIRED: Flammable liquid Class 3



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MARINE POLLUTANT: None of the ingredients are classified by the DOT as a Marine Pollutant (as defined by 49 CFR 172.101, Appendix B)

U.S. DEPARTMENT OF TRANSPORTATION (DOT) SHIPPING REGULATIONS:

This product is classified as dangerous goods, per U.S. DOT regulations, under 49 CFR 172.101.

TRANSPORT CANADA, TRANSPORTATION OF DANGEROUS GOODS REGULATIONS:

This product is classified as Dangerous Goods, per regulations of Transport Canada.

INTERNATIONAL AIR TRANSPORT ASSOCIATION (IATA):

This product is classified as Dangerous Goods, by rules of IATA:

INTERNATIONAL MARITIME ORGANIZATION (IMO) DESIGNATION:

This product is classified as Dangerous Goods by the International Maritime Organization.

EUROPEAN AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY ROAD (ADR):

This product is classified by the United Nations Economic Commission for Europe to be dangerous goods.

SECTION 15 - REGULATORY INFORMATION

UNITED STATES REGULATIONS

SARA REPORTING REQUIREMENTS: This product is subject to the reporting requirements of Sections 302, 304 and 313 of Title III of the Superfund Amendments and Reauthorization Act., as follows:

This material contains Isopropyl Alcohol (CAS# 67-63-0, <20%), Sodium Nitrite (CAS# 7632-00-0 <15%) which is subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR Part 373;

TSCA: All components in this product are listed on the US Toxic Substances Control Act (TSCA) inventory of chemicals.

SARA 311/312:

Acute Health: Yes Chronic Health: Yes Fire: No Reactivity: No

U.S. SARA THRESHOLD PLANNING QUANTITY: There are no specific Threshold Planning Quantities for this product. The default Federal MSDS submission and inventory requirement filing threshold of 10,000 lb (4,540 kg) may apply, per 40 CFR 370.20.

U.S. CERCLA REPORTABLE QUANTITY (RQ): Sodium Nitrite CAS# 7632-00-0 100 Lbs

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65): This product does not contain ingredient(s) are on the California Proposition 65 list.

CANADIAN REGULATIONS:

CANADIAN DSL/NDL INVENTORY STATUS: All of the components of this product are on the DSL Inventory

CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA) PRIORITIES SUBSTANCES LISTS: No component of this product is on the CEPA First Priorities Substance Lists.

CANADIAN WHMIS CLASSIFICATION and SYMBOLS: This product is categorized as a Class B Division 2 Flammable liquid, Class D Division 1B toxic material, Class D Division 2B materials causing other toxic effects, as per the Controlled Product Regulations

EUROPEAN ECONOMIC COMMUNITY INFORMATION:

EU LABELING AND CLASSIFICATION:

Classification of the mixture according to Regulation (EC) No1272/2008. See section 2 for details.

AUSTRALIAN INFORMATION FOR PRODUCT:

AUSTRALIAN INVENTORY OF CHEMICAL SUBSTANCES (AICS) STATUS: All components of this product are listed on the AICS.

STANDARD FOR THE UNIFORM SCHEDULING OF DRUGS AND POISONS: Not applicable.

JAPANESE INFORMATION FOR PRODUCT:

JAPANESE MINISTER OF INTERNATIONAL TRADE AND INDUSTRY (MITI) STATUS: The components of this product are not listed as Class I Specified Chemical Substances, Class II Specified Chemical Substances, or Designated Chemical Substances by the Japanese MITI.

**INTERNATIONAL CHEMICAL INVENTORIES:**

Listing of the components on individual country Chemical Inventories is as follows:

Asia-Pac:	Listed
Australian Inventory of Chemical Substances (AICS):	Listed
Korean Existing Chemicals List (ECL):	Listed
Japanese Existing National Inventory of Chemical Substances (ENCS):	Listed
Philippines Inventory of Chemicals and Chemical Substances (PICCS):	Listed
Swiss Giftliste List of Toxic Substances:	Listed
U.S. TSCA:	Listed

SECTION 16 - OTHER INFORMATION

PREPARED BY: Paul Eigbrett

GHS MSDS Compliance PLUS

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