



# SAFETY DATA SHEET

1. Product and Company Identification			
<b>PRODUCT NUMBER:</b>	268401	<b>COMPANY PHONE:</b>	1-800-241-8180
<b>PRODUCT NAME:</b>	CITRA-FOAM	<b>EMERGENCY TELEPHONE:</b>	1-800-535-5053
<b>PRODUCT DESCRIPTION:</b>	Ready-to-Use Foaming Degreaser	<b>INFOTRAC:</b>	1-800-535-5053
<b>COMPANY INFORMATION:</b>	<b>PRO CHEM, INC.</b> 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

2. Hazards Identification				
<b>GHS CLASSIFICATION:</b> <b>OSHA/HCS Status:</b> This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200). <b>Classification of the substance or mixture:</b> SKIN CORROSION - Category 1 SERIOUS EYE DAMAGE - Category 1 SKIN SENSITIZATION - Category 1	<b>SIGNAL WORD:</b> <b>DANGER</b>	<b>SYMBOL:</b>		
<b>HAZARD STATEMENTS:</b> Causes severe skin burns and eye damage. May cause an allergic skin reaction.				
<b>PRECAUTIONARY STATEMENTS:</b> <b>Prevention:</b> Wear protective gloves. Wear eye or face protection: Recommended: splash goggles. Wear Protective Clothing: Recommended: Chemical resistant gloves. Avoid breathing vapor. Wash hands thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. <b>Response:</b> IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or physician. IF SWALLOWED: Immediately call a POISON CENTER or physician. Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTER or physician. IF ON SKIN: Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or physician. <b>Storage:</b> Store locked up. <b>Disposal:</b> Dispose of contents and container in accordance with all local, regional, national and international regulations.				
<b>HAZARDS NOT OTHERWISE SPECIFIED:</b> None known.				

3. Composition / Information on Ingredients		
<b>Substance/mixture:</b> Mixture		
<b>Other Means of Identification:</b> Not available.		
<b>Chemical Name</b>	<b>CAS</b>	<b>Concentration % by Weight</b>
2-(2-butoxyethoxy) ethanol	112-34-5	≤3
Imidazolium compounds, 1-[2-(2-carboxyethoxy)ethyl]-1(or 3)-	68604-71-7	≤3
(2-carboxyethyl)-4,5-dihydro-2-norcoco alkyl, hydroxides, disodium salts (R)-p-mentha-1,8-diene	5989-27-5	≤0.3
Any concentration shown as a range is to protect confidentiality or is due to batch variation. <b>There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.</b> <b>Occupational exposure limits, if available, are listed in Section 8 of this SDS.</b>		

4. First Aid Measures
<b>EMERGENCY OVERVIEW</b> <b>EYES:</b> Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. <b>SKIN:</b> Get medical attention immediately. Call a poison center or physician. Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse. <b>INHALATION:</b> Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. <b>INGESTION:</b> Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

**MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED:****Potential Acute Health Effects:**

**Eye Contact:** Causes serious eye damage.

**Inhalation:** No known significant effects or critical hazards.

**Skin Contact:** Causes severe burns. May cause an allergic skin reaction.

**Ingestion:** No known significant effects or critical hazards.

**Over-exposure Signs/Symptoms:**

**Eye Contact:** Adverse symptoms may include the following:

pain  
watering  
redness

**Inhalation:** No specific data.

**Skin Contact:** Adverse symptoms may include the following:

pain or irritation  
redness  
blistering may occur

**Ingestion:** Adverse symptoms may include the following: stomach pains

**INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:**

**Notes to Physician:** Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

**Specific Treatments:** No specific treatment.

**Protection of First-aiders:** No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11).

**5. Fire-Fighting Measures****SUITABLE FIRE EXTINGUISHING MEDIA:**

Use an extinguishing agent suitable for the surrounding fire.

**UNSUITABLE FIRE EXTINGUISHING MEDIA:**

None known.

**SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:**

In a fire or if heated, a pressure increase will occur and the container may burst.

**HAZARDOUS THERMAL DECOMPOSITION PRODUCTS:**

Decomposition products may include the following materials:

carbon dioxide  
carbon monoxide

**SPECIFIC PROTECTIVE ACTIONS FOR FIRE-FIGHTERS:**

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

**SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:**

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

**6. Accidental Release Measures****PERSONAL PRECAUTIONS:**

**For Non-Emergency Personnel:** No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Do not breathe vapor or mist.

Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

**For Emergency Responders:** If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

**ENVIRONMENTAL PRECAUTIONS:**

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

**METHODS & MATERIALS FOR CONTAINMENT & CLEANUP:**

**Small Spill:** Stop leak if able do so without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

**Large Spill:** Stop leak if able to do so without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product.

**Note:** See Section 1 for emergency contact information and Section 13 for waste disposal.

**7. Handling and Storage****SAFE HANDLING:**

**Protective Measures:** Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator.

Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Keep away from acids. Empty containers retain product residue and can be hazardous. Do not reuse container.

**Advice on General Occupational Hygiene:** Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

**SAFE STORAGE & INCOMPATIBILITIES:**

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Separate from acids. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

**8. Exposure Controls / Personal Protection****CONTROL PARAMETERS****OCCUPATIONAL EXPOSURE LIMITS:**

Ingredient Name	Exposure Limits
2-(2-butoxyethoxy)ethanol	ACGIH TLV (United States, 3/2018). TWA: 10 ppm 8 hours. Form: Inhalable fraction and vapor
Imidazolium compounds, 1-[2-(2-carboxyethoxy)ethyl]-1(or 3)-(2-carboxyethyl)-4,5-dihydro-2-norcoco alkyl, hydroxides, disodium salts (R)-p-mentha-1,8-diene	None. AIHA WEEL (United States, 7/2018). TWA: 30 ppm 8 hours.

**PERSONAL PROTECTIVE EQUIPMENT:**

**Eye/Face Protection:** Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles and/or face shield. If inhalation hazards exist, a full-face respirator may be required instead. Recommended: splash goggles.

**Skin Protection:**

**Hand Protection:** Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

**Body Protection:** 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. **Recommended:** Chemical resistant gloves

**Other Skin Protection:** Appropriate footwear and any additional skin protection measures 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 Protection:** Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

**General Hygiene Considerations:** Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**APPROPRIATE ENGINEERING CONTROLS:**

If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

**ENVIRONMENTAL EXPOSURE CONTROLS:**

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

**9. Physical & Chemical Properties**

<b>Physical State:</b>	Liquid.	<b>Flammability(solid/gas):</b>	Not available.
<b>Color:</b>	Hazy Orange.	<b>Flammability Limit-lower (%):</b>	Not available.
<b>Odor:</b>	Fruity.	<b>Flammability Limit-upper (%):</b>	Not available.
<b>Odor Threshold:</b>	Not available.	<b>Vapor Density:</b>	Not available.
<b>pH:</b>	12.5 to 13.5	<b>Vapor Pressure:</b>	Not available.
<b>Melting Point:</b>	Not available.	<b>Relative Density:</b>	1.015
<b>Viscosity:</b>	Not available.	<b>Solubility:</b>	Not available.
<b>Flash Point:</b>	Closed cup: >150°C (>302°F) [Product does not sustain combustion.]	<b>Solubility (water):</b>	Easily soluble in the following materials: cold water and hot water.
<b>Flow time (ISO 2431):</b>	Not available.	<b>Auto-Ignition Temp:</b>	Not available.
<b>Boiling Point:</b>	Not available.	<b>Decomposition Temp:</b>	Not available.
<b>Evaporation Rate:</b>	Not available.	<b>Partition Coeff(n-octanol/water):</b>	Not available.

**10. Stability & Reactivity Information****REACTIVITY:**

No specific test data related to reactivity available for this product or its ingredients.

**CHEMICAL STABILITY:**

The product is stable.

**POSSIBILITY OF HAZARDOUS REACTIONS:**

Under normal conditions of storage and use, hazardous reactions will not occur.

**CONDITIONS TO AVOID:**

No specific data.

**INCOMPATIBLE MATERIALS:**

Not available.

**HAZARDOUS DECOMPOSITION PRODUCTS:**

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**11. Toxicological Information****INFORMATION ON TOXICOLOGICAL EFFECTS:****ACUTE TOXICITY:**

Product/Ingredient name	Result	Species	Dose	Exposure
2-(2-butoxyethoxy)ethanol	LD50 Dermal	Rabbit	2700 mg/kg	-
	LD50 Oral	Rat	4500 mg/kg	-
(R)-p-mentha-1,8-diene	LD50 Dermal	Rabbit	>5000 mg/kg	-
	LD50 Oral	Rat	4400 mg/kg	-

**IRRITATION/CORROSION:**

Product/Ingredient name	Result	Species	Score	Exposure	Observation
2-(2-butoxyethoxy)ethanol	Eyes - Moderate irritant	Rabbit	-	24 hours 20 milligrams	-
(R)-p-mentha-1,8-diene	Eyes - Severe irritant	Rabbit	-	20 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 10 Percent	-

**SENSITIZATION:**

Not available.

**MUTAGENICITY:**

Not available.

**CARCINOGENICITY:**

Not available.

**CLASSIFICATION:**

Product/ingredient name	OSHA	IARC	NTP
(R)-p-mentha-1,8-diene	-	3	-

**REPRODUCTIVE TOXICITY:**

Not available.

**TERATOGENICITY:**

Not available.

**SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE):**

Not available.

**SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE):**

Not available.

**ASPIRATION HAZARD:**

Not available.

**INFORMATION ON LIKELY ROUTES OF EXPOSURE:** Routes of entry anticipated: Oral, Dermal, Inhalation.**POTENTIAL ACUTE HEALTH EFFECTS:****Inhalation:** No known significant effects or critical hazards.**Skin Contact:** Causes severe burns. May cause an allergic skin reaction.**Eye Contact:** Causes serious eye damage.**Ingestion:** No known significant effects or critical hazards.**SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS:****Inhalation:** No specific data.**Skin Contact:** Adverse symptoms may include the following:

pain or irritation

redness

blistering may occur

**Eye Contact:** Adverse symptoms may include the following:

pain

watering

redness

**Ingestion:** Adverse symptoms may include the following: stomach pains**DELAYED AND IMMEDIATE EFFECTS AND ALSO CHRONIC EFFECTS FROM SHORT- AND LONG-TERM EXPOSURE:****Short Term Exposure****Potential Immediate Effects:** Not available.**Potential Delayed Effects:** Not available.**Long Term Exposure****Potential Immediate Effects:** Not available.**Potential Delayed Effects:** Not available.**Potential Chronic Health Effects:**

Not available.

**General:** Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.**Carcinogenicity:** No known significant effects or critical hazards.**Mutagenicity:** No known significant effects or critical hazards.**Teratogenicity:** No known significant effects or critical hazards.**Developmental Effects:** No known significant effects or critical hazards.**Fertility Effects:** No known significant effects or critical hazards.**NUMERICAL MEASURES OF TOXICITY:****Acute Toxicity Estimates:** Not available.

## 12. Ecological Information

### TOXICITY:

Product/ingredient name	Result	Species	Exposure
2-(2-butoxyethoxy)ethanol	Acute LC50 1300000 µg/l Fresh water	Fish - Lepomis macrochirus	96 hours
(R)-p-mentha-1,8-diene	Acute EC50 421 µg/l Fresh water Acute EC50 688 µg/l Fresh water	Daphnia - Daphnia magna Fish - Pimephales promelas - Juvenile (Fledgling, Hatchling, Weanling)	48 hours 96 hours

### PERSISTENCE AND DEGRADABILITY:

Not available.

### BIOACCUMULATIVE POTENTIAL:

Product/ingredient name	LogPow	BCF	Potential
2-(2-butoxyethoxy)ethanol	1	-	Low
(R)-p-mentha-1,8-diene	4.38	-	High

### MOBILITY IN SOIL:

Soil/water Partition Coefficient (KOC): Not available.







Other Adverse Effects: No known significant effects or critical hazards.

## 13. Disposal Consideration

### DISPOSAL METHODS:

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## 14. Transportation Information

	DOT Classification	TDG Classification	Mexico Classification	ADR/RID	IMDG	IATA
UN Number	UN1760	UN1760	UN1760	UN1760	UN1760	UN1760
UN Proper Shipping Name	Corrosive liquid, n.o.s. (sodium hydroxide)	Corrosive liquid, n.o.s. (sodium hydroxide)	Corrosive liquid, n.o.s. (sodium hydroxide)	Corrosive liquid, n.o.s. (sodium hydroxide)	Corrosive liquid, n.o.s. (sodium hydroxide)	Corrosive liquid, n.o.s. (sodium hydroxide)
Transport Hazard Class(es)	 8	 8	 8	 8	 8	 8
Packing Group	II	II	II	II	II	II
Environmental Hazards	No.	No.	No.	No.	No.	No.

### ADDITIONAL INFORMATION:

DOT Classification: Limited quantity Yes.

TDG Classification: Product classified as per the following sections of the Transportation of Dangerous Goods Regulations: 2.40-2.42 (Class 8).

Explosive Limit and Limited Quantity Index 1

ADR/RID: Tunnel code (E)

IMDG: Limited quantity Yes.

IATA: Limited quantity Yes.

Special precautions for user: Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to Annex II of MARPOL and the IBC Code: Not available.

## 15. Regulatory Information

### US FEDERAL REGULATIONS:

TSCA 8(a) CDR Exempt/Partial exemption: Not determined.

Clean Water Act (CWA) 311: sodium hydroxide; Formaldehyde, solution

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs): Listed.

Clean Air Act Section 602 Class I Substances: Not listed.

Clean Air Act Section 602 Class II Substances: Not listed.

DEA List I Chemicals (Precursor Chemicals): Not listed.

DEA List II Chemicals (Essential Chemicals): Not listed.

### SARA 302/304

### COMPOSITION/INFORMATION ON INGREDIENTS:

Name	%	EHS	SARA 302 TPQ		SARA 304 RQ	
			(lbs)	(gallons)	(lbs)	(gallons)
formaldehyde	<0.1	Yes.	500	73.9	100	14.8

SARA 304 RQ: 1190476190.5 lbs / 540476190.5 kg [140668674.2 gal / 532488857.6 L]

### SARA 311/312:

#### Classification:

SKIN CORROSION - Category 1

SERIOUS EYE DAMAGE - Category 1

SKIN SENSITIZATION - Category 1

**COMPOSITION/INFORMATION ON INGREDIENTS:**

Name	%	Classification
2-(2-butoxyethoxy)ethanol	≤3	EYE IRRITATION - Category 2A
Imidazolium compounds, 1-[2-(2-carboxyethoxy)ethyl]-1(or 3)-	≤3	SERIOUS EYE DAMAGE - Category 1
(2-carboxyethyl)-4,5-dihydro-2-norcoco alkyl, hydroxides, disodium salts (R)-p-mentha-1,8-diene	≤0.3	FLAMMABLE LIQUIDS - Category 3 SKIN IRRITATION - Category 2 SKIN SENSITIZATION - Category 1

**SARA 313**

	Product Name	CAS Number	%
<b>Form R - Reporting Requirements</b>	2-(2-butoxyethoxy)ethanol	112-34-5	≤3
<b>Supplier Notification</b>	2-(2-butoxyethoxy)ethanol	112-34-5	≤3

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

**STATE REGULATIONS:**

**Massachusetts:** None of the components are listed.

**New York:** None of the components are listed.

**New Jersey:** None of the components are listed.

**Pennsylvania:** None of the components are listed.

**California Prop. 65**

**⚠ WARNING:** This product can expose you to Methanol, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

Ingredient Name	No Significant Risk Level	Maximum Acceptable Dosage Level
Methanol	-	Yes.

**INTERNATIONAL REGULATIONS:**

**Chemical Weapon Convention List Schedules I, II & III Chemicals:** Not listed.

**Montreal Protocol:** Not listed.

**Stockholm Convention on Persistent Organic Pollutants:** Not listed.

**Rotterdam Convention on Prior Informed Consent (PIC):** Not listed.

**UNECE Aarhus Protocol on POPs and Heavy Metals:** Not listed.

**Inventory List:**

**Australia:** Not determined.

**Canada:** Not determined.

**China:** Not determined.

**Europe:** At least one component is not listed.

**Japan:** Japan inventory (ENCS): Not determined.

**Japan inventory (ISHL):** Not determined.

**Republic of Korea:** Not determined.

**Malaysia:** Not determined

**New Zealand:** Not determined.

**Philippines:** Not determined.

**Taiwan:** Not determined.

**Turkey:** Not determined.

**United States:** All components are listed or exempted.

**Thailand:** At least one component is not listed.

**Vietnam:** Not determined.

Procedure used to derive the classification:

Classification	Justification
SKIN CORROSION - Category 1	On basis of test data
SERIOUS EYE DAMAGE - Category 1	On basis of test data
SKIN SENSITIZATION - Category 1	Calculation method

**16. Other Information****Key to Abbreviations:**

ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)

UN = United Nations

**DISCLAIMER:**

To the best of our knowledge, information contained herein is accurate. However, there is no assumption of liability for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazard, which exists. The information contained in this SDS was obtained from current and reliable sources; however, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions or handling, storage and disposal of this product are beyond the control of the manufacturer, the manufacturer will not be responsible for loss, injury, or expense arising out of the products improper use. No warranty, expressed or inferred, regarding the product described in this SDS shall be created or inferred by any statement in this SDS. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product, which may not be covered by this SDS. The user is responsible for full compliance.