




# MARTRON INC SAFETY DATA SHEET MARTRON UB-2X

## SECTION 1: IDENTIFICATION

<b>PRODUCT NAME:</b> MARTRON UB-2X	<b>PRODUCT NUMBER:</b> MFC-000008
<b>WEBSITE:</b> <a href="http://www.martroninc.com">www.martroninc.com</a>	<b>CUSTOMER SERVICE PHONE NUMBERS:</b> (704) 289-1934
<b>MANUFACTURER NAME AND ADDRESS:</b> Martron Inc. 1394-A Walkup Ave. Monroe, NC 28110	<b>24 HOUR EMERGENCY PHONE NUMBER:</b> <b>CHEMTREC: (800) 424-9300</b>
<b>OTHER MEANS OF IDENTIFICATION:</b> Not Available	<b>Relevant Identified Uses of the Substance or Mixture and Uses Advised Against:</b> Not Available

## SECTION 2: HAZARDS IDENTIFICATION

<b>OSHA/HCS Status:</b>	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)
<b>Classification of Substance or Mixture:</b>	Skin Corrosion/Irritation - Category 1A Serious Eye Damage/Eye Irritation - Category 1
<b>GHS Label Elements Hazard Pictograms:</b>	
<b>Signal Word:</b>	Danger
<b>Hazard Statements:</b>	Causes severe skin burns and eye damage.

## PRECAUTIONARY STATEMENTS

<b>Prevention:</b>	Wear protective gloves. Wear eye or face protection. Wear protective clothing. Use only outdoors or in a well-ventilated area. Avoid breathing dust. Wash hands thoroughly after handling.
<b>Response:</b>	IF INHALED: Remove victim to fresh air and keep at rest in a position 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 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>Supplemental Label Elements:</b>	Do not taste or swallow. Wash thoroughly after handling.
<b>Hazards Not Otherwise Classified:</b>	Causes severe digestive tract burns.

## SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

<b>Substance/Mixture</b>	Mixture
<b>Other Means of Identification:</b>	Not available

<b>Hazardous Ingredients*</b>	<b>Weight %</b>	<b>CAS #</b>
Sodium Carbonate	40-50	497-19-8
Sodium Hydroxide	5-10	1310-73-2
Sodium Gluconate	1-5	527-07-1
Sodium Triphosphate	10-20	7758-29-4
Glycols, polyethylene, mono ((1,1,3,3-Tetramethyl butyl) phenyl) ether	10-15	9036-19-5
Trade Secret Ingredients	Balance	

Any concentration shown as a range is to protect confidentiality or is due to batch version. **NE** = not established **NA** = not applicable **NDA** = no data available. 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. Occupational Exposure Limits, if available, are listed in Section 8.

**SECTION 4: FIRST AID MEASURES**

**DESCRIPTION OF NECESSARY FIRST AID MEASURES**

<b>Eye contact:</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 20 minutes. Chemical burns must be treated promptly by a physician.
<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. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
<b>Skin Contact:</b>	Get medical attention immediately. Call a poison center or physician. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 20 minutes. Chemical burns must be treated promptly by a physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.
<b>Ingestion:</b>	Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. 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.

**MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED**

**I. Potential Acute Health Effects**

<b>Eye Contact:</b>	Causes serious eye damage.
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<b>Inhalation:</b>	May give off gas, vapor or dust that is very irritating or corrosive to the respiratory system. Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
<b>Skin Contact:</b>	Causes severe burns.
<b>Ingestion:</b>	Severely corrosive to the digestive tract. Causes severe burns. May cause burns to mouth, throat and stomach.

**II. Over-Exposure Symptoms/Signs**

<b>Eye Contact:</b>	Adverse symptoms may include the following: pain, watering, redness
<b>Inhalation:</b>	Adverse symptoms may include the following: respiratory tract irritation, coughing
<b>Skin Contact:</b>	Adverse symptoms may include the following: pain or irritation, redness, blistering may occur
<b>Ingestion:</b>	Adverse symptoms may include the following: stomach pains

**III. Indication of Immediate Medical Attention and Special Treatment Needed, if Necessary.**

<b>Notes to Physician:</b>	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
<b>Specific Treatment:</b>	No specific treatment
<b>Protection to First Responders:</b>	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 (SCB). 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)

**SECTION 5: FIREFIGHTING MEASURES**

<b>Suitable Extinguishing Media:</b>	Use an extinguishing agent suitable for the surrounding fire.
<b>Unsuitable Extinguishing Media:</b>	None known
<b>Specific Hazards Arising from the Chemical:</b>	No specific fire or explosion hazard
<b>Hazardous thermal Decomposition Products:</b>	Decomposition products may include the following materials: carbon dioxide, carbon monoxide, sulfur oxides, metal oxide/oxides
<b>Special Protective Actions for Firefighters:</b>	No special measures are required.
<b>Special Protective Equipment and Precautions for Firefighters:</b>	Firefighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

**SECTION 6: ACCIDENTAL RELEASE MEASURES****PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES**

<b>For Non-Emergency Personnel:</b>	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. Shut off all ignition sources. No flares, smoking or flames in hazard area. Do not breathe dust. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
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<b>For Emergency Responders:</b>	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".
<b>Environmental Precautions:</b>	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). Water polluting material. May be harmful to the environment if released in large quantities.

**METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP**

<b>Spill:</b>	Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Avoid creating dusty conditions and prevent wind dispersal. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for Waste Disposal.
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**SECTION 7: HANDLING and STORAGE**

**PRECAUTIONS FOR SAFE HANDLING**

<b>Protective Measures:</b>	Put on appropriate personal protective equipment (see Section 8). 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 alkalis. Empty containers retain product residue and can be hazardous. Do not reuse container.
<b>Advice on General Occupational Hygiene:</b>	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.
<b>Conditions for Safe Storage Including Any Incompatibilities:</b>	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 alkalis. 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.

**SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

**CONTROL PARAMETERS - OCCUPATIONAL EXPOSURE LIMITS**

<b>Ingredient Name*</b>	<b>Exposure Limits</b>
Sodium Carbonate	<b>OSHA PEL (United States).</b> TWA: 15 mg/m <sup>3</sup> 8 hours.
Sodium Hydroxide	<b>ACGIH TLV (United States, 6/2013).</b> C: 2 mg/m <sup>3</sup> <b>NIOSH REL (United States, 4/2013).</b> CEIL: 2 mg/m <sup>3</sup> <b>OSHA PEL (United States, 2/2013).</b> TWA: 2 mg/m <sup>3</sup> 8 hours.
Sodium Carbonate	<b>OSHA PEL (United States)</b>

<b>Appropriate Engineering Controls:</b>	Use only with adequate ventilation. 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.
<b>Environmental Exposure Controls:</b>	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

**INDIVIDUAL PROTECTION MEASURES**

<b>Hygiene Measures:</b>	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. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
<b>Eye/Face Protection:</b>	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.
<b>Hand Protection:</b>	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.
<b>Body Protection:</b>	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.
<b>Other Skin Protection:</b>	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.
<b>Respirator Protection:</b>	Use a properly fitted, particulate filter 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 the safe working limits of the selected respirator.

**SECTION 9: PHYSICAL and CHEMICAL PARAMETERS**

<b>Physical State:</b>	Solid (granules or powder)
<b>Color:</b>	White
<b>Odor:</b>	Odorless
<b>Odor Threshold:</b>	N/A
<b>pH:</b>	N/A
<b>Melting Point:</b>	N/A
<b>Boiling Point:</b>	N/A
<b>Flash Point:</b>	N/A
<b>Burning Time:</b>	N/a
<b>Burning Rate:</b>	N/A

Evaporation Rate (n-butyl acetate=1):	Viscosity: NA
Flammability (solid, gas):	N/A
Flammable Limits:	UEL: N/A                      LEL: N/A
Vapor Pressure:	N/A
Vapor Density (AIR=1):	N/A
Relative Density:	N/A
Solubility:	Soluble
Solubility in Water:	N/A
Partition/Coefficient N-Octanol/Water	N/A
Auto-Ignition Temperature:	N/A
Decomposition Temperature:	N/A
SADT:	N/A
Viscosity:	N/A

### **SECTION 10: STABILITY and REACTIVITY**

Reactivity:	No specific test data related to reactivity available for this product or its ingredients.
Chemical Stability:	This product is stable. (standard temperature and pressure)
Possibility of Hazardous Reactions:	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to Avoid:	No specific data
Incompatible Materials:	Reactive or incompatible with the following materials: oxidizing materials, and acids.
Hazardous Decomposition Products:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

### **SECTION 11: TOXICOLOGICAL INFORMATION**

#### **ACUTE TOXICITY**

Product/Ingredient Name	Result	Species	Dose	Exposure
Sodium Carbonate	LD50 Oral	Rat	4090 mg/kg	-
Glycols, polyethylene, mono ((1,1,3,3- Tetramethyl butyl (phenyl) ether	LD50 Oral	Rat	9625 mg/kg	-
	LD50 Skin	Rabbit	2700 mg/kg	-

#### **IRRITATION/CORROSION**

Product/Ingredient Name	Result	Species	Score	Exposure	Observation
Sodium Carbonate	Eyes - Severe irritant	Rabbit	-	50 mg	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 mg	-
	Eyes - Mild irritant	Rabbit	-	0.5 minutes 100mg	-
	Eyes - Moderate irritant	Rabbit	-	24 hours 100 mg	-
Sodium Hydroxide	Eyes - Severe irritant	Monkey	-	24 hours 1%	-
	Eyes - Mild irritant	Rabbit	-	400 µg	-
	Eyes - Severe irritant	Rabbit	-	24 hours 50 µg	-
	Eyes - Severe irritant	Rabbit	-	1%	-
	Eyes - Severe irritant	Rabbit	-	0.5 minutes 1 mg	-
	Skin - Mild irritant	Human	-	24 hours 2%	-
	Skin - Severe irritant	Rabbit	-	24 hours 500 mg	-
Glycols, polyethylene, mono ((1,1,3,3- Tetramethyl butyl (phenyl) ether	Eyes - Mild irritant	Rabbit	-	15 mg	-
	Eyes - Severe irritant	Rabbit	-	1%	-

**SENSITIZATION**

<b>Skin:</b>	There is no data available
<b>Respiratory:</b>	There is no data available

<b>Mutagenicity:</b>	There is no data available
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**CARCINOGENICITY CLASSIFICATION**

Product/Ingredient Name	OSHA	IARC	ACGIH	NTP

<b>Reproductivity Toxicity:</b>	There is no data available
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<b>Teratogenicity:</b>	There is no data available
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**SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE**

Name	Category	Route of Exposure	Target Organs

<b>Specific Target Organ Toxicity - Repeated Exposure:</b>	There is no data available
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<b>Aspiration Hazard:</b>	There is no data available
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**EXPOSURE - INFORMATION ON LIKELY ROUTES OF EXPOSURE**

<b>Routes of Entry Anticipated:</b>	Dermal contact. Eye contact. Inhalation. Ingestion.
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**POTENTIAL ACUTE HEALTH EFFECTS**

<b>Eye Contact:</b>	Causes serious eye damage.
<b>Inhalation:</b>	May give off gas, vapor or dust that is very irritating or corrosive to the respiratory system. Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
<b>Skin Contact:</b>	Causes severe burns
<b>Ingestion:</b>	Severely corrosive to the digestive tract. Causes severe burns. May cause burns to mouth, throat and stomach.

**SYSTEMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS**

<b>Eye Contact:</b>	Adverse symptoms may include the following: pain, watering, redness.
<b>Inhalation:</b>	Adverse symptoms may include the following: respiratory tract irritation, coughing
<b>Skin Contact:</b>	Adverse symptoms may include the following: pain or irritation, redness, blistering may occur

**DELAYED AND IMMEDIATE EFFECTS AND ALSO CHRONIC EFFECTS FROM SHORT AND LONG-TERM EXPOSURE**

**SHORT TERM EXPOSURE**

<b>Potential Immediate Effects:</b>	No significant effects or critical hazards.
<b>Potential Delayed Effects:</b>	No significant effects or critical hazards.

**LONG TERM EXPOSURE**

<b>Potential Immediate Effects:</b>	No significant effects or critical hazards.
<b>Potential Delayed Effects:</b>	No significant effects or critical hazards.

**POTENTIAL CHRONIC HEALTH EFFECTS**

<b>General:</b>	No significant effects or critical hazards.
<b>Carcinogenicity:</b>	No significant effects or critical hazards.
<b>Mutagenicity:</b>	No significant effects or critical hazards.

<b>Teratogenicity:</b>	No significant effects or critical hazards.
<b>Development Effects:</b>	No significant effects or critical hazards.
<b>Fertility Effects:</b>	No significant effects or critical hazards.

**NUMERICAL MEASURES OF TOXICITY  
ACUTE TOXICITY ESTIMATES**

<b>Route</b>	<b>ATE Value</b>
Oral	11744.6 mg/kg

**SECTION 12: ECOLOGICAL INFORMATION**

**TOXICITY**

Product / Ingredient Name	Result	Species	Exposure
Sodium Carbonate	Acute EC50 242000 µg/l Fresh water	Algae - Navicula seminulum	96 hours
	Acute LC50 176000 µg/l Fresh water	Crustaceans – Amphipoda	48 hours
	Acute LC50 265000 µg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 300000 µg/l Fresh water	Fish - Lepomis macrochirus	96 hours
Sodium Hydroxide	Acute EC50 40.38 mg/L Fresh water	Crustaceans - Ceriodaphnia dubia – Neonate	48 hours
	Acute LC50 125 ppm Fresh water	Fish - Gambusia affinis - Adult	96 hours
Glycols, polyethylene, mono ((1,1,3,3- Tetramethyl butyl) phenyl) ether	Acute EC50 210 ug/L Fresh water	Crustaceans – Pandalus montagui - Adult	48 hours
	Acute LC50 10800 ug/l Marine water	Fish – Oncorhynchus mykiss	96 hours
	Acute LC50 8600-9800ug/l Fresh water	Algae - Pseudokirchneriella subcapitata	48 hours
	Acute LC50 7200ug/l Fresh water	Daphnia – Daphnia magna – Neonate	48 hours

<b>Persistence and Degradability:</b>	There is no data available
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**BIOACCUMULATIVE POTENTIAL**

Product/Ingredient Name	LogP	BCF	Potential

**MOBILITY IN SOIL**




<b>Soil/Water Partition Coefficient (Koc):</b>	There is no data available
<b>Other Adverse Effects:</b>	No known significant effects or critical hazards

**SECTION 13: DISPOSAL CONSIDERATIONS**

<b>Disposal Methods:</b>	The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should 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 empty 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.
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**SECTION 14: TRANSPORTATION INFORMATION**

	<b>DOT CLASSIFICATION</b>	<b>IMDG</b>	<b>IATA</b>
<b>UN Number</b>	UN 1759	UN 1759	UN 1759
<b>UN Proper Shipping Name</b>	CORROSIVE SOLIDS, N.O.S. (Sodium hydroxide)	CORROSIVE SOLIDS, N.O.S. (Sodium hydroxide)	CORROSIVE SOLIDS, N.O.S. (Sodium hydroxide)
<b>Transportation Hazard Class(es)</b>	8 	8 	8 
<b>Packing Group</b>	II	II	II
<b>Environmental Hazards</b>	No	No	No
<b>Additional Information</b>	<b>Reportable Quantity</b> 1346.8 lbs/611.45 kg Package sizes shipped in quantities less than the product reportable quantity are not subject to the RQ (reportable quantity) transportation requirements.	<b>Emergency Schedules (EmS)</b> F-A, S-B	-----

<b>Special Precautions for User:</b>	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.
<b>Transport in Bulk According to Annex II of Marpol 73/78 and the IBC Code:</b>	Not available.

**SECTION 15: REGULATORY INFORMATION**

<b>U.S. Federal Regulations:</b> TSCA 8(a) Pair: TSCA 8(a) CDR Exempt/Partial Exemption: United States Inventory (TSCA 8b): Clean Water Act (CWA) 311:	Glycols, polyethylene, mono (1,1,3,3-tetramethylbutyl (phenyl) ether Not determined All components are listed or exempted. Sodium hydroxide
<b>Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs):</b>	Not listed.
<b>Clean Air Act Section 602 Class 1 Substances:</b>	Not listed.
<b>Clean Air Act Section 602 Class II Substances:</b>	Not listed.

<b>DEA List 1 Chemicals (Precursor Chemicals):</b>	Not listed.
<b>DEA List II Chemicals (Essential Chemicals):</b>	Not listed

**SARA 302/304 - COMPOSITION/INFORMATION ON INGREDIENTS**

Product/Ingredient Name	%	EHS	SARA 302 TPQ (lbs)	SARA 302 TPQ (gal)	SARA 304 TPQ (lbs)	SARA 304 TPQ (gal)
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<b>SARA 304 RQ:</b>	11111111.1 lbs/5044444.4kg
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<b>SARA 311/312 Classification:</b>	Immediate (acute) health hazard
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**COMPOSITION/INFORMATION ON INGREDIENTS**

Product/Ingredient Name	%	Fire Hazard	Sudden Release of Pressure	Reactive	Immediate (Acute) Health Hazard	Delayed (Chronic) Health Hazard
Sodium Carbonate	40-50	No	No	No	Yes	No
Sodium Hydroxide	5-10	No	No	Yes	Yes	No
Glycols, polyethylene, mono ((1,1,3,3-Tetramethyl butyl) phenyl) ether	10-15	No	No	No	Yes	No
Sodium Triphosphate	10-20	No	No	No	Yes	No

**SARA 313**

	Product Name	CAS Number	%
Form R - Reporting Requirements:			
Supplier Notifications:			

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**

<b>Massachusetts:</b>	The following components are listed: Sodium hydroxide
<b>New York:</b>	The following components are listed: Sodium hydroxide
<b>New Jersey:</b>	The following components are listed: Sodium hydroxide
<b>Pennsylvania:</b>	The following components are listed: Sodium hydroxide

**CALIFORNIA PROP. 65**

**WARNING:** This product does not contain a chemical known to the State of California to cause cancer

Ingredient Name	Cancer	Reproductive	No Significant Risk Level	Maximum Acceptable Dosage Level

**SECTION 16: OTHER INFORMATION**

<b>Date of Issue:</b>	4/2015
<b>Version:</b>	1
<b>Revised Section(s):</b>	Not Applicable

<b>Key to Abbreviations:</b>	<p><b>ATE</b> = Acute Toxicity Estimate  <b>BCF</b> = Bioconcentration Factor  <b>GHS</b> = Globally Harmonized System of Classification and Labelling of Chemicals  <b>IATA</b> = International Air Transport Association  <b>IBC</b> = Intermediate Bulk Container  <b>IMDG</b> = International Maritime Dangerous Goods  <b>LogPow</b> = logarithm of the octanol/water partition coefficient  <b>MARPOL 73/78</b> = International Convention for the Prevention of Pollution from Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  <b>UN</b> = United Nations</p>
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**Notice to Reader**

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever 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 hazards that exist.