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## Sodium Hydroxide All Grades

This SDS follows the GHS format

- SDS Number KCC NAOH 001
- SDS Date March 18, 2024
- 24 Hour Emergency973 589-0700 | 551 200-2751Phone NumberCHEMTREC 800 424-9300

#### SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

- Product Name Caustic Soda Liquid (All Grades)
- Chemical Name Sodium Hydroxide
- **CAS Number** 1310-73-2
- Common Names Caustic, Lye
- Chemical Formula NaOH
- ManufacturerKuehne Chemical Company Inc.<br/>86 North Hackensack Avenue<br/>South Kearny NJ 07032-4673<br/>973 589-0700

In addition to Kuehne Chemical Company manufactured product, Kuehne also utilizes various suppliers for this product. For specific information concerning the manufacturer of this product please call the company phone number listed above.



#### **SECTION 2 - HAZARD IDENTIFICATION**



2



*Eyes* | Contact can cause severe damage including burns and blindness. The severity of the effects depend on concentration and how soon after exposure the eyes are washed.

Chemical not listed. Ratings based on NFPA guidelines

Skin | Corrosive. Contact may cause burns and tissue destruction.

*Ingestion* | Severe burns and complete tissue perforation of the mucous membranes of mouth, throat, and stomach.



**PHYSICAL HAZARD** 

PERSONAL PROTECTION

Effects of Overexposure

Based on Nat'l Paint & Coating Association HMIS System

- **Chronic** No known effects.
- **Note** Irritation may follow an initial latency (delay between the time that the exposure occurs and when the sense of irritation starts). The latent period can vary as much as hours for a dilute solution (0.04%) to minutes with more concentrated solutions (25-50%). Prolonged or repeated contact, even to dilute concentrations, can cause a high degree of tissue destruction.

Appearance Clear liquid.

## **Routes of Entry**

*Inhalation* | Inhalation of caustic vapors or mist may be irritating to the respiratory tract.

*Eye Contact* | Eye contact may cause severe irritation and burns.

*Skin* | Skin contact may cause severe irritation and burns.

*Ingestion* | Corrosive. Severe burns and complete tissue perforation of the mucous membranes of mouth, throat, and stomach.

**Target Organs** Eyes, Skin, Respiratory Tract, and Gastrointestinal Tract

Sensitizing Capabilities None known

Reproductive Effects None known

Cancer Information None known

Synergistic Materials None known

Medical Conditions Aggravated by Exposure None known



## **SECTION 3 - COMPOSITION, INFORMATION OR INGREDIENTS**

<b>CAS Number</b> 7732-18-5	<b>Name</b> Water	<b>Common Names</b> Water
Percentage VOL ND WT 48.50 - 91	Exposure LimitsPELNot EstablishedTLVNot EstablishedSTELNot EstablishedIDLHNot Established	
<b>CAS Number</b> 1310-73-2	<b>Name</b> Sodium Hydroxide (NaOH)	<b>Common Names</b> Caustic, Lye
Percentage VOL 25 - 30 WT 20 - 22	Exposure Limits PEL 2 mg/m3 TLV 2 mg/m3 IDLH 10 mg/m3	
<ul> <li>Listed On</li> <li>TSCA inventory, or in compliance v</li> <li>PA Requirement - 3% or greater</li> <li>NJ Requirement - 1% or greater</li> </ul>	<ul> <li>This product has not been liste the following agencies: IARC,</li> </ul>	d as carcinogenic by NTP, and OSHA
<b>CAS Number</b> 7647-14-5	<b>Name</b> Sodium Chloride (NaCl)	<b>Common Names</b> Salt
Percentage VOL ND WT 0-1.30	Exposure Limits PEL Not Established TLV Not Established	
<ul> <li>Listed On</li> <li>The TSCA Inventory, or in complia</li> <li>NJ Requirement - 1% or greater</li> </ul>	nce with inventory	



#### **SECTION 3 - COMPOSITION, INFORMATION OR INGREDIENTS**

(Continued)

**CAS Number** 7775-09-9

Percentage

VOL ND WT 0-0.30

#### Listed On

- TSCA inventory
- PA Requirement

Name Chloric Acid, Sodium Salt Common Names Sodium Chlorate

Exposure LimitsPELNot EstablishedTLVNot Established

NJ Special Haz Substance

## SECTION 4 - FIRST AID MEASURES

- InhalationRemove to fresh air. If breathing is difficult, have trained person administer oxygen. If<br/>respiration stops, give mouth-to-mouth resuscitation. SEEK MEDICAL ATTENTION<br/>IMMEDIATELY.EyesImmediately flush eyes with plenty of water for at least 15 minutes. SEEK MEDICAL<br/>ATTENTION IMMEDIATELY.SkinFlush thoroughly with cool water under shower while removing contaminated<br/>clothing and shoes. Discard non-rubber shoes. Wash clothing before reuse.<br/>Continue to flush until medical attention arrives. SEEK MEDICAL ATTENTION<br/>IMMEDIATELY.IngestionDo not induce vomiting. Rinse mouth and give water or milk if the person is conscious.
  - **ngestion** Do not induce vomiting. Rinse mouth and give water or milk if the person is conscious. If vomiting occurs, keep airway clear and give more water. **SEEK MEDICAL ATTENTION IMMEDIATELY**.



Flash Point Auto-Ignition Temperature Flammable Limits in Air - % by Volume - Upper Flammable Limits in Air - % by Volume - Lower Sensitivity to Mechanical Impact Sensitivity to Static Discharge

Non-Flammable Non-Flammable Non-Flammable Not-Flammable Not Sensitive Not Sensitive

#### Extinguishing Media

Non-Flammable/ Non-Combustible.

#### **Fire Fighting Procedures**

Wear NIOSH / MSHA approved positive-pressure self-contained breathing apparatus and full protective clothing.

#### Fire and Explosion Hazard

In water solution caustic can react with amphoteric metals (such as aluminum) generating hydrogen which is flammable and/or explosive when ignited. Direct contact with water can cause a violent exothermic reaction.

#### SECTION 6 - ACCIDENTAL RELEASE MEASURES

#### Steps to be Taken if Material is Released or Spilled

Evacuate unnecessary personnel. Follow protective measures provided under Personal Protection in Section 8.

#### **Ventilation Requirements**

Control airborne concentrations below the exposure guideline. Good general ventilation is sufficient for most operations. No special ventilation required under normal use.

**NOTE** Where carbon monoxide may be generated, special ventilation may be required.

Where engineering controls are not feasible use adequate local exhaust ventilation wherever mist, spray or vapor may be generated.

#### **Environmental Precautions**

As per 40 CFR 302 Table 302.4 (CERCLA), environmental releases that exceed the RQ must be reported to

#### **SECTION 6 - ACCIDENTAL RELEASE MEASURES**

the National Response Center by calling 800-424-8802 (202-426-2675) and the State Emergency Response Commission and the Local Emergency Planning Committee (40 CFR 355.40) as appropriate.

Contain liquids and prevent discharges to streams or sewers, control or stop the loss of volatile materials to the atmosphere. Large leaks may require environmental consideration and possible evacuation. Do not apply water to the leak. Spills or releases should be reported, if required, to the appropriate local, state and federal agencies.

Contain spill with dike to prevent entry into sewers or waterways. **CAUTION** This product may react strongly with acids and water.

#### Methods for Cleaning Up

Dry material can be shoveled up, liquid material can be removed with a vacuum truck. Neutralize remaining traces with any dilute inorganic acid (hydrochloric, sulfuric or acetic acid) Flush spill area with water followed by a liberal covering of sodium carbonate. All clean-up material should be removed for proper treatment or disposal. Spills on other than pavement (e.g. dirt or sand) may be handled by removing the affected soil and placing in approved containers.

#### **SECTION 7 - HANDLING AND STORAGE**

#### Handling Precautions

Avoid breathing mist or vapors in misty atmospheres, use an approved mist respirator. If respiratory irritation is experienced, use an approved air-purifying respirator. Hazardous carbon monoxide gas can form upon contact with food and beverage products in enclosed spaces and can cause death. Follow appropriate tank entry procedures (ANSI 2117.1).

Containers, even those that have been emptied, will retain product residue and vapor and should be handled as if they were full.

Do not get in eyes, on skin or clothing.

Do not take internally. Keep away from acids, to avoid possible violent reaction.

Wash contaminated clothing before reuse. Wash thoroughly after handling; exposure can cause burns that are not immediately painful or visible.

Wear personal protective equipment as described in Exposure Controls & Personal Protection (Section 8) of the SDS.

If product is added too rapidly, or without stirring, and becomes concentrated at bottom of mixing vessel, excessive heat may be generated, resulting in dangerous boiling and spattering, and a possible immediate and violent eruption of highly caustic solution.

#### **Mixing Precautions**

Considerable heat is generated when product is mixed with water. Therefore, when making solutions always carefully follow these steps:

ALWAYS wear the protective clothing described above. NEVER add water to product. ALWAYS add product, with constant stirring, slowly to surface of lukewarm (80 - 100°F) water, to assure product is being completely dissolved as it is added.

Product can react EXPLOSIVELY with acids, aldehydes, and many other organic chemicals, add product VERY gradually, while stirring constantly. If product is added too rapidly, or without stirring, and becomes concentrated at bottom of mixing vessel, excessive heat may be generated, resulting in dangerous boiling and spattering, and a possible immediate and violent eruption of highly caustic solution.

ALWAYS empty and clean containers of all residues before adding product, to avoid possible EXPLOSIVE reaction between product and unknown residue.

#### Storage

Keep container tightly closed and properly labeled.

Dike storage containers to contain 110% of tank volume.

Under normal conditions, this product can be stored satisfactorily in mild steel without an interior lining. Aluminum is not recommended for storage and handling.

Returnable containers should be shipped in accordance with supplier's recommendations. Return shipments should comply with all federal, state, and DOT regulations. All residue should be removed from containers prior to disposal.

Avoid contact with aluminum, tin, zinc, and alloys containing these metals. Avoid contact with leather, wool, acids, organic halogen compounds and organic nitro compounds.



#### **SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION**

## **Specific Personal Protective Equipment**

Respiratory	Respiratory protection is not required under normal use. Wear a NIOSH / MSHA approved respirator following manufacturer's recommendations, where airborne contaminants may occur.
Eyes	Wear chemical safety goggles plus face shield to protect against splashing when appropriate (ANSI 287.1)
Gloves	Wear chemical resistant gloves such as rubber, neoprene or vinyl. Wash contaminated clothing and dry before reuse. Whenever there is a possibility of splash or contact wear a chemical resistant full body suit and boots.
Other	Standard work clothing closed at the neck and wrists. Discard shoes that cannot be decontaminated. Emergency shower and eyewash facility should be in close proximity (ANSI 2358.1)

## **SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

Appearance	Colorless, Clear liquid
Order	Odorless, No distinct odor
Physical State	Liquid
рН	7.5 % solution has pH 14.0
Vapor Density	Not Applicable



	Concentration   Weight %				
	10	20	30	40	50
Boiling Point °F   °C @760 mmHg	230   110	235.4   113	246.2   119	264.2   129	291   144
Freezing / Melting Point	14   - 10	- 8   - 26	35.6   2	60.8   16	53.6   12
Vapor Pressure mm Hg @ 140°F   60°C	135	110	76	46	13
<b>Specific Gravity</b> @60°F   15.6°C	1.11	1.22	1.33	1.43	1.53
<b>Density</b> lb / gal @60°F   15.6°C	9.27	10.20	11.11	11.97	12.76
Solubility in Water	Completely Solu	uble			
Odor Threshold	N/A				
Evaporation Rate	Not Known				

## SECTION 10 - STABILITY AND REACTIVITY

**Conditions Contributing** Stable, product absorbs water and carbon dioxide from the air. **to Instability** 

Incompatibility Product is corrosive to tin, aluminum, zinc and alloys containing these metals and will react with these metals in powder form. Also reacts with bronze and brass. Avoid contact with leather, wool, acids, organic halogen compounds, or organic nitro compounds. Hazardous carbon monoxide gas can form upon contact with reducing sugars, food and beverage products in enclosed spaces and can cause death. Follow appropriate tank entry procedures.

Reacts With	Air, Water, Acids, Hydrocarbons, Aluminum and Other Metals Under normal use and conditions, caustic is generally regarded as stable. However, caustic will rapidly attack and destroy such materials as leather, wool and the metals and the alloys of aluminum, zinc, and tin. The reaction with these metals may generate flammable hydrogen gas. The reaction of caustic with aluminum is particularly vigorous and contact should be avoided. Caustic soda is strongly alkaline and may react violently with acidic solutions. Caustic will also react vigorously with many organic chemicals.
Hazardous Decomposition Products	None
Hazardous Polymerization	Will not occur
Comments	Considerable heat is generated when caustic is diluted with water. Proper handling procedures must be followed to prevent vigorous boiling, spattering or violent eruption of the diluted solution.

## **SECTION 11 - TOXICOLOGICAL INFORMATION**

<b>CAS Number</b>	<b>Name</b>	<b>Common Names</b>
1310-73-2	Sodium Hydroxide (NaOH)	Caustic, Lye
Acute Oral LD50 Primary Skin Irritation Primary Eye Irritation	(rat) 2,000 mg/kg (rabbit) Severe (rabbit) Severe	
<b>CAS Number</b>	<b>Name</b>	Common Names
7647-14-5	Sodium Chloride (NaCl)	Salt

Acute Oral LD50 Primary Skin Irritation Primary Eye Irritation (rat) 3,000 mg/kg (rabbit) Mild (rabbit) Moderate



Aquatic	Ecotox	Data	Fish /	Invertebrate
Aqualic	LUUIUA		1 1311/	mventebrate

LC50	Pimephales Promelas (Fathead Minnow)	10,610 mg/L
LC50	Daphnia Magna (Water Flea)	4,571 mg/L
EC50	Daphnia Magna (Water Flea)	100 ppm
Amphibians N	lo data available	
Plants No data	available	
Terrestrial Eco	otox Data	
Rat	LC50 (oral)	2,000 mg/Kg
Plants	No data available	
Environmenta	I Fate Data	
Plants	No data available	
BOD	NaOH has no biological oxygen demand	
Abiotic	No data available	

Biodegradation This material is inorganic and not subject to biodegradation.

**Persistence** This material is believed not to persist in the environment.

**Bioconcentration** This material is not expected to bioconcentrate in organisms.

There is limited information available on the environmental fate and effects of sodium hydroxide (NaOH). Laboratory toxicity data indicate that NaOH is moderately toxic to aquatic and terrestrial organisms. The primary mode of action is due to the corrosive nature of this chemical and its tendency to increase pH in poorly buffered environments: Aquatic organisms become increasingly stressed as pH exceeds 9, with many aquatic species being intolerant of pH levels in excess of 10. Increased pH due to the introduction of NaOH into aquatic environments may lead to the precipitation of essential micronutrients. Exposed terrestrial species would be subject to skin irritation and burns due to the corrosive nature of this material. Due caution should be exercised to prevent the accidental release of this material to aquatic or terrestrial environments.

#### Waste Disposal Method

Dispose of all waste and contaminated equipment in accordance with all applicable federal, state and local health and environmental regulations.

Ensure that all responsible federal, state, and local agencies receive proper notification of spill and disposal methods.

Shipments of waste materials may be subject to manifesting requirements per applicable regulations. Appropriate disposal will depend on the nature of each waste material and should be done by a competent and properly permitted contractor.

The materials resulting from clean-up operations may be hazardous wastes and, therefore, subject to specific regulations. Package, store, transport and dispose of all (clean-up) materials and any contaminated equipment in accordance with all applicable federal, state, and local regulations.

#### **Product Disposal**

Recovery and reuse, rather than disposal, should be the ultimate goal of handling efforts.

#### **SECTION 14 - TRANSPORT INFORMATION**

DOT Proper Shipping Name	Sodium Hydroxide, Solution
DOT Hazard Class	8
DOT ID Number	UN1824
DOT Packing Group	II
DOT Hazardous Substance	RQ 1,000 Lb. (Sodium Hydroxide)
DOT Marine Pollutant	N/A
Additional Description	N/A



#### U.S. Federal Regulations

**OSHA** Standard 29 CFR 1910.1200 requires that information be provided to employees regarding the hazards of chemicals by means of a hazard communication program including labeling, safety data sheets, training and access to written records.

To aid our customers in complying with regulatory requirements, SARA Title III Hazard Categories for this product are indicated below. If the word "YES" appears next to any category, this product may be reportable by you under the requirements of 40.CFR.370. Please consult those regulations for details.

#### **Toxic Substances Control Act (TSCA)**

All components of this product that are required to be on the TSCA inventory are listed on the inventory.

#### **CERCLA and SARA/Title III**

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#### **Other Regulations / Standards**

**NSF Certification** This product has been classified as an approved drinking water treatment chemical under ANSI/NSF Standard 60

#### **SECTION 16 - OTHER INFORMATION**

#### **Prepared By**

Kuehne Company's Health, Safety, Environmental & Security Department, Revision G – 18 March 2024. For additional non-emergency health, safety or environmental information, telephone: 973 589-0700 or write to:

Kuehne Chemical Company, Inc. 86 N. Hackensack Avenue South Kearny, New Jersey 07032-4673

#### SDS Legend

ACGIH	American Conference of Governmental Industrial Hygienists
CAS	Chemical Abstracts Service Registry Number
CEILING	Ceiling Limit (15 Minutes)
OSHA	Occupational Safety and Health Administration



- PEL Permissible Exposure Limit (OSHA)
- **STEL** Short Term Exposure Limit (15 Minutes)
- TLV Threshold Limit Value (ACGIH)
- **TWA**Time Weighted Average (8 Hours)

## IMPORTANT

The information contained herein is offered only as a guide to the handling of this specific material and has been prepared in good faith by technically knowledgeable personnel. It is not intended to be all-inclusive and the manner and conditions of use and handling may involve other and additional considerations.

The information presented herein, while not guaranteed, was prepared by competent technical personnel and is true and accurate to the best of our knowledge. NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR PURPOSE, OR OF ANY OTHER KIND, EXPRESS OR IMPLIED, IS MADE REGARDING PERFORMANCE, STABILITY OR OTHERWISE.

This information is not intended to be all-inclusive as to the manner and conditions of handling and storage. Other factors may involve other or use additional safety or performance considerations. While our technical personnel will be happy to respond to questions regarding safe handling and use procedures, safe handling and use remains the responsibility of the customer. No suggestions for use are intended as, and nothing herein shall be construed as a recommendation to infringe any existing patents or violate any federal, state or local laws, rules, regulations or ordinances.

No warranty of any kind is given or implied and Kuehne Chemical Company, Inc. will not be liable for any damages, losses, injuries or consequential damages that may result from the use of or reliance on any information contained herein.

This Safety Data Sheet (SDS) covers the following materials:

Caustic Soda - Liquid: All grades

## References

- American National Standard, Z400.1-1993
- Pamphlet 94 Sodium Hydroxide Solution and Potassium Hydroxide Solution (Caustic) Storage Equipment and Piping Systems Edition 5 January 2018
- Pamphlet 164 Reactivity and Compatibility of Chlorine and Sodium Hydroxide with Various Materials Edition 2 Revision 3 May 2017
- National Institute for Occupational Safety and Health, US Dept. of Health & Human Services, Cincinnati, 1994
- Supplier's Safety Data Sheets
- Windholz, Martha, Ed, The Merck Index, 11th ed., Merck and Co, Inc., Rahway, New Jersey, 1989



Ingredients Active Ingredient | Sodium Hydroxide (NaOH) Other Ingredients

oxide (NaOH) 09 - 51.50 % (by weight) 48.50 - 91% 100 %

# **KEEP OUT OF REACH OF CHILDREN**



Category 1

Symbol

Total



Signal Word Danger

Hazard Statements May be corrosive to metals Causes severe skin burns and eye damage

## **FIRST AID**

**IF INHALED** Move to fresh air. If breathing is difficult, have trained person administer oxygen. If person is not breathing, call 911 or an ambulance and give mouth-to-mouth resuscitation. **SEEK MEDICAL ATTENTION IMMEDIATELY**.

**IF IN EYES** IMMEDIATELY FLUSH EYES WITH A GENTLE DIRECTED STREAM OF WATER for at least 15 minutes, forcibly holding eyelids apart to ensure complete irrigation of all eye and lid tissue. Remove contact lenses, if present, after the first 5 minutes, then continue to rinse eye. **SEEK MEDICAL ATTENTION IMMEDIATELY**.

**IF ON SKIN OR CLOTHING** Flush thoroughly with cool water under shower for at least 15 minutes, while removing contaminated clothing and shoes. Discard non-rubber shoes. Wash clothing before reuse. **SEEK MEDICAL ATTENTION IMMEDIATELY**.

**IF SWALLOWED** NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. If swallowed, DO NOT INDUCE VOMITING. Give large quantities of water. If able to swallow. If vomiting occurs spontaneously, keep airway clear and give more water. **SEEK MEDICAL ATTENTION IMMEDIATELY**.

**NOTE TO PHYSICIAN** No specialized procedures. Treat for clinical symptoms.

#### HOT LINE NUMBER 1 800 POISON-1

Have product container or label with you when calling a poison control center or doctor or going for treatment.

#### PRECAUTIONARY STATEMENTS HAZARDOUS TO HUMANS AND DOMESTIC ANIMALS

**DANGER** MAY CAUSE BURNS TO THE EYES, SKIN, AND MUCOUS MEMBRANES. MAY CAUSE PERMANENT EYE DAMAGE. INHALATION OF DUST, MIST, OR SPRAY CAN CAUSE SEVERE LUNG DAMAGE. CAN REACT VIOLENTLY WITH WATER, ACIDS AND OTHER SUBSTANCES. Wear safety glasses or goggles and rubber gloves when handling this product. Wash after handling. Avoid breathing vapors. Vacate poorly ventilated areas as soon as possible.

**Precautions** Avoid contact with eyes, skin and clothing. Avoid breathing dust, vapors or mist. Do not swallow. Use with adequate ventilation and wear respiratory protection when exposure to dust, mist or spray is possible. Wear safety glasses with side shields or chemical splash goggles, protective clothing and chemical resistant gloves. Wash thoroughly after handling; exposure can cause burns that are not immediately painful or visible. Keep container tightly closed and properly labeled.

Product can react violently with water, acids and other substances. See Handling and Storage (Section 7) of the SDS for instructions before using. Avoid contact with aluminum, tin, zinc, and alloys containing these metals. Avoid contact with leather, wool, acids, organic halogen compounds and organic nitro compounds. Hazardous carbon monoxide gas can form upon contact with food and beverage products in enclosed spaces and can cause death. Follow appropriate tank entry procedures (ANSI2117.1).

**Caution** This product may react strongly with acids and water. Scoop or sweep up all spilled product and other contaminated material and place in marked disposal containers. Neutralize residue with dilute acid and flush spill area with water followed by a liberal covering of sodium carbonate. Dispose of wash water and spill by-products according to federal, state and local regulations.

#### DIRECTION FOR USE

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING.

Considerable heat is generated when product is mixed with water. Therefore, when making solutions always carefully follow these steps:

Always wear protective clothing. Never add water to product. Always add product, with constant stirring, slowly to surface of lukewarm (80 - 100°F) water, to assure product is being completely dissolved as it is added.

Product can react explosively with acids, aldehydes, and many other organic chemicals, add product very gradually, while stirring constantly. If product is added too rapidly, or without stirring, and becomes concentrated at bottom of mixing vessel, excessive heat may be generated, resulting in dangerous boiling and

spattering, and a possible immediate and violent eruption of highly caustic solution. Always empty and clean containers of all residues before adding product, to avoid possible explosive reaction between product and unknown residue.

#### Storage and Disposal

A spill or release of this material may trigger the emergency release reporting requirements under SARA, Title III (40 CFR, Part 355) and/or CERCLA (40 CFR, Part 300). State or local reporting requirements may differ from federal requirements. Consult counsel for further guidance on your responsibilities under these laws.

Material that cannot be reused or chemically reprocessed should be disposed of in a manner meeting government regulations.

Always package, store, transport and dispose of all waste and contaminated equipment in accordance with all applicable federal, state, and local health and environmental regulations.

Returnable containers should be shipped in accordance with supplier's recommendations. Return shipments should comply with all federal, state, and DOT regulations. All residue should be removed from containers prior to disposal.

Containers that have been emptied, will retain product residue and vapor and should be handled as if they were full.

#### In Case of Fire

Material does not burn. Use extinguishing medium as appropriate for surrounding fire.

#### In Case of Spill

Get protective equipment. Contain spill and pump into marked container for reclamation for disposal. Avoid discharges to sewers and streams. Spills of 1000 pounds or more must be reported to the National Response Center at the following number:

## 1 800 424-8802

State and local regulations may have additional reporting requirements, check with the proper state and local authorities. Wear neoprene or rubber gloves.

# IN CASE OF CHEMICAL EMERGENCIES 24 HOUR EMERGENCY PHONE 973 589-0700

