



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 doctor/physician.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower and wash with soap and water. Wash contaminated clothing before reuse.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If still irritated call a poison center or doctor/physician.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

#### **Precautionary Statements - Storage**

Store locked up.

#### **Precautionary Statements - Disposal**

Dispose of contents/container in accordance with local, state and federal rules and regulations.

### **3. COMPOSITION/INFORMATION ON INGREDIENTS**

<b>Chemical Name</b>	<b>CAS No</b>	<b>Weight-%</b>
Caustic Replacement	Proprietary	10-35

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

### **4. FIRST-AID MEASURES**

#### **First Aid Measures**

<b>General Advice</b>	Immediately call a poison center or doctor/physician.
<b>Eye Contact</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.
<b>Skin Contact</b>	Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.
<b>Inhalation</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If still irritated call a poison center or doctor/physician.
<b>Ingestion</b>	Rinse mouth. Do not induce vomiting.

#### **Most important symptoms and effects**

<b>Symptoms</b>	Not expected to present a significant hazard under anticipated conditions of normal use, unless splashed and touches eyes or skin. May cause severe skin burns and eye damage if splashes or touches eyes or skin.
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#### **Indication of any immediate medical attention and special treatment needed**

<b>Notes to Physician</b>	Treat symptomatically.
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### **5. FIRE-FIGHTING MEASURES**

#### **Suitable Extinguishing Media**

Water spray (fog). Foam. Dry chemical. Carbon dioxide (CO<sub>2</sub>).

**Unsuitable Extinguishing Media** Not determined.

#### **Specific Hazards Arising from the Chemical**

None known.

**Hazardous Combustion Products** When strongly heated, as in a fire, this product may produce carbon monoxide, carbon dioxide, nitrogen oxides and oxides of phosphorous.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Use water spray or fog for cooling exposed containers.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

<b>Personal Precautions</b>	Isolate from fire, if possible, without unnecessary risk.
<b>Non-emergency personnel</b>	Protective goggles. Gloves. Protective clothing. Evacuate unnecessary personnel. Avoid contact with skin, eyes and clothing. Ventilate spillage area.
<b>Emergency responders</b>	Equipment clean-up crew with proper protection. Stop leak if safe to do so. Stop release. Ventilate area.

**Methods and material for containment and cleaning up**

<b>Methods for Containment</b>	Contain release substance, pump into suitable containers. This material and its container must be disposed of in a safe way, and as per local legislation.
<b>Methods for Clean-Up</b>	Dispose of in accordance with local, state and federal regulations. Does not reuse, puncture, or incinerate container.
<b>Environmental precautions</b>	Avoid release to the environment. Prevent entry to sewers and public waters.

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

<b>Advice on Safe Handling</b>	Handle in accordance with good industrial hygiene and safety practice. Do not breathe dust/fume/gas/mist/vapors/spray. Wash face, hands and any exposed skin thoroughly after handling. Wear protective gloves/protective clothing and eye/face protection. Do not get in eyes, on skin or on clothing.
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**Conditions for safe storage, including any incompatibilities**

<b>Storage Conditions</b>	Do not expose to direct sunlight. Do not expose to temperatures exceeding 50°C/122°F. Store in a well-ventilated place. Store in cool area. Meet legal requirements and comply with applicable regulations.
<b>Incompatible Materials</b>	Strong acids or oxidizing agents.
<b>Hygiene measures</b>	Wash thoroughly after handling. Wash contaminated clothing before reuse.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Proprietary	Ceiling: 2 mg/m <sup>3</sup>	(vacated) Ceiling: 2 mg/m <sup>3</sup>	Ceiling: 2 mg/m <sup>3</sup>

**Appropriate engineering controls**

<b>Engineering Controls</b>	Mechanical ventilation not normally required and local exhaust is generally adequate to maintain airborne concentrations below OSHA PELs. Eyewash stations. Showers.
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**Individual protection measures, such as personal protective equipment**

<b>Eye/Face Protection</b>	Safety goggles are recommended.
<b>Skin and Body Protection</b>	Chemical resistant gloves are recommended. Long shirt sleeves are recommended. Full contact-Nitrile rubber. Splash contact-Nitrile rubber.
<b>Respiratory Protection</b>	Use with adequate ventilation and avoid breathing vapors.
<b>General Hygiene Considerations</b>	Handle in accordance with good industrial hygiene and safety practice.
<b>Control of environmental exposure</b>	Do not let product enter storm drains.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Information on basic physical and chemical properties**

<b>Physical State</b>	Liquid	<b>Odor</b>	Mild
<b>Appearance</b>	Liquid		
<b>Color</b>	Clear water white		

<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks • Method</u></b>
<b>pH</b>	<13	
<b>Melting Point/Freezing Point</b>	No information available	
<b>Boiling Point/Boiling Range</b>	No information available	
<b>Flash Point</b>	No information available	
<b>Evaporation Rate</b>	No information available	
<b>Flammability (Solid, Gas)</b>	No information available	
<b>Upper Flammability Limits</b>	No information available	
<b>Lower Flammability Limit</b>	No information available	
<b>Vapor Pressure</b>	No information available	
<b>Vapor Density</b>	No information available	
<b>Specific Gravity</b>	1.145	
<b>Water Solubility</b>	Soluble	
<b>Solubility in other solvents</b>	No information available	
<b>Partition Coefficient</b>	No information available	
<b>Auto-ignition Temperature</b>	No information available	
<b>Decomposition Temperature</b>	No information available	
<b>Kinematic Viscosity</b>	No information available	
<b>Dynamic Viscosity</b>	No information available	
<b>Explosive Properties</b>	No information available	
<b>Oxidizing Properties</b>	No information available	
<b>VOC Content</b>	0%	

**10. STABILITY AND REACTIVITY****Reactivity**

Not reactive under normal conditions.

**Chemical Stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

Refer to Section 10 on Reactivity.

**Conditions to Avoid**

Incompatible Materials.

**Incompatible Materials**

Strong acids or oxidizing agents.

**Hazardous Decomposition Products**

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

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure****Product Information**

<b>Eye Contact</b>	Causes severe eye damage.
<b>Skin Contact</b>	Causes severe skin burns.
<b>Inhalation</b>	Do not inhale.
<b>Ingestion</b>	Gastrointestinal complaints. Do not ingest.

**Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Proprietary	= 2051 mg/kg ( Rat )	-	-

**Information on physical, chemical and toxicological effects**

<b>Acute Toxicity</b>	Not classified
<b>Skin Irritation</b>	Causes severe skin irritation/damage
<b>Eye Irritation</b>	Causes severe eye irritation/damage
<b>Skin/Respiratory Sensitization</b>	Not classified
<b>Carcinogenicity</b>	Not classified
<b>STOT-Single/Repeated Exposure</b>	Not classified
<b>Aspiration hazard</b>	Not classified

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

No additional information available.

**Persistence/Degradability**

No additional information available.

**Bioaccumulation**

No additional information available.

**Soil Mobility**

No additional information available.

## 13. DISPOSAL CONSIDERATIONS

**Waste Treatment Methods**

<b>Disposal of Wastes</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.
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## 14. TRANSPORT INFORMATION

<b><u>DOT</u></b>	Not regulated.
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**IATA** Not regulated.

**IMDG** Not regulated.

**15. REGULATORY INFORMATION**

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified 40 CFR §372.38(a) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

**Superfund Amendments and Reauthorization Act of 1986**

<b>Acute health hazard</b>	Yes
<b>Delayed hazard</b>	No
<b>Fire hazard</b>	No
<b>Sudden release of pressure hazard</b>	No
<b>Reactive Hazard</b>	No

**California Proposition 65**

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

**16. OTHER INFORMATION**

<b><u>NFPA</u></b>	<b>Health Hazards</b> Not determined	<b>Flammability</b> Not determined	<b>Instability</b> Not determined	<b>Special Hazards</b> Not determined
<b><u>HMIS</u></b>	<b>Health Hazards</b> 2	<b>Flammability</b> 0	<b>Physical Hazards</b> 0	<b>Personal Protection</b> N+P

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**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**