

Supercodes Date Not applicable

Material Safety Data Sheet: RESCUE DRAIN

Issuing Date 08/11/2010

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name RESCUE DRAIN  
Recommended Use For use in drains  
Information on Manufacturer  
CHEMSEARCH DIV. OF NCH CORP.  
BOX 152170  
IRVING, TX 75015

Product Code 5988  
Chemical Nature Solid alkaline mixture  
Emergency Telephone Number  
CHEMTREC ® 800-424-9300

2. HAZARDS IDENTIFICATION

Emergency Overview  
DANGER  
Corrosive  
Causes skin and eye burns  
May cause delayed lung injury and burns  
Harmful or fatal if swallowed

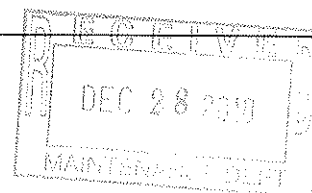
Color Light yellow  
Potential Health Effects  
Principle Route of Exposure  
Primary Routes of Entry  
Acute Effects  
Eyes  
Skin  
Inhalation  
Ingestion  
Chronic Toxicity  
Target Organ Effects  
Aggravated Medical Conditions  
Potential Environmental Effects

Physical State Solid

Skin contact, Eye contact, Inhalation.  
Inhalation

Corrosive to the eyes and may cause severe damage including blindness.  
Causes skin burns.  
Harmful by inhalation. Causes burns.  
If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the esophagus and the stomach.  
Inhaled corrosive substances can lead to a toxic edema of the lungs  
Central nervous system, Heart, Kidney, Bone Marrow.  
Skin disorders, Respiratory disorders, Neurological disorders, Kidney disorders, Heart disease.  
See Section 12 for additional Ecological information.

Odor Citrus



3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS-No
Sodium hydroxide	1310-73-2
Monosodium phosphate, anhydrous	7558-80-7
Sodium bisulfate	7681-38-1

4. FIRST AID MEASURES

**General Advice**  
Do not get in eyes, on skin or on clothing. Do not breathe dust or fume.  
**Eye Contact**  
Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention immediately.  
**Skin Contact**  
Remove immediately all contaminated clothing. Wipe up with absorbent material (e.g. cloth, fleece). Wash off immediately with plenty of water for at least 15 minutes. Get medical attention immediately.  
**Inhalation**  
Move to fresh air. In case of shortness of breath, give oxygen. If not breathing, give artificial respiration. Get medical attention immediately.  
**Ingestion**  
Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention immediately. Never give anything by mouth to an unconscious person.  
**Notes to Physician**  
The product causes burns of eyes, skin and mucous membranes. Control of circulatory system, shock therapy if needed.

5. FIRE-FIGHTING MEASURES

**Flash Point** Does not flash  
**Autoignition Temperature** No information available.  
**Flammability Limits in Air % Hydrogen, by reaction with metals.** Upper 75 Lower 4  
**Suitable Extinguishing Media**  
Foam. Alcohol-resistant foam. Carbon dioxide (CO2). Dry chemical. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
**Specific hazards arising from the chemical**  
Contact with metals may evolve flammable hydrogen gas.  
**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.  
**NFPA** Health 3 Flammability 1 Instability 1  
**HMIS** Health 3 Flammability 1 Instability 1

6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions**  
Use personal protective equipment. Remove all sources of ignition. Ensure adequate ventilation. Prevent further leakage or spillage if safe to do so.  
**Environmental Precautions**  
Do not flush into surface water or sanitary sewer system.  
**Methods for Containment**  
Cover powder spill with plastic sheet or tarp to minimize spreading.  
**Methods for Cleaning Up**  
Pick up and arrange disposal without creating dust.

Neutralizing Agent

Acetic acid, diluted.

## 7. HANDLING AND STORAGE

Handling	Do not get in eyes, on skin or on clothing. Do not breathe vapors/dust.			
Storage	Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place. Metal containers must be lined.			
Storage Temperature	Minimum	35°F/2°C	Maximum	120°F/49°C
Storage Conditions	Indoor	X	Outdoor	Heated
				Refrigerated

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

## Exposure Guidelines

Component	ACGIH TLV	OSHA PEL	NIOSH
Sodium hydroxide	2 mg/m <sup>3</sup> Ceiling	2 mg/m <sup>3</sup> TWA	10 mg/m <sup>3</sup> IDLH : 2 mg/m <sup>3</sup> Ceiling
Monosodium phosphate, anhydrous	No data available	5 mg/m <sup>3</sup> PNOR (as solid)	No data available
Sodium bisulfate	No data available	No data available	No data available

## Engineering Measures

Use with local exhaust ventilation. Ensure adequate ventilation, especially in confined areas.

## Personal Protective Equipment

## Eye/Face Protection

Tightly fitting safety goggles. Face-shield.

## Skin Protection

Wear suitable protective clothing. Impervious gloves.

## Respiratory Protection

In case of inadequate ventilation wear respiratory protection. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

## General Hygiene Considerations

Wear protective gloves/clothing. A safety shower and an eyewash station should be available .

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Solid	Viscosity	Granular
Color	Light yellow	Odor	Citrus
Appearance	Opaque	pH	@ 10% -14
Specific Gravity	1.08	Evaporation Rate	0 (Butyl acetate=1)
Percent Volatile (Volume)	2	VOC Content (%)	0.6
VOC Content (g/L)	6.5	Vapor Pressure	<0.1 mmHg @ 70 °F
Vapor Density	5.8 (Air = 1.0)	Solubility	Moderately soluble
Boiling Point/Range	No data available		

## 10. STABILITY AND REACTIVITY

## Chemical Stability

Stable under normal conditions.

## Conditions to Avoid

Protect from moisture, Extremes of temperature and direct sunlight.

## Incompatible Products

Organic materials, Water, Aldehydes, Acids, Oxidizing agents, Reducing agents, Contact with metals liberates hydrogen gas, Highly halogenated compounds.

## Hazardous Decomposition Products

Sulfur compounds, Carbon oxides, Oxides of phosphorus, Hydrogen, by reaction with metals.

## Possibility of Hazardous Reactions

Potential for exothermic hazard

## 11. TOXICOLOGICAL INFORMATION

## Product Information

No information available.

## Component Information

## Acute toxicity

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation	Draize Test	Other
Sodium hydroxide	no data available	1350 mg/kg ( Rabbit )	no data available	no data available	no data available
Monosodium phosphate, anhydrous	8290 mg/kg ( Rat )	7940 mg/kg ( Rabbit )	no data available	no data available	no data available
Sodium bisulfate	2490 mg/kg ( Rat )	no data available	no data available	no data available	no data available

## Chronic Toxicity

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Sodium hydroxide	no data available	no data available	no data available	no data available	eyes, respiratory system, skin
Monosodium phosphate, anhydrous	no data available	no data available	no data available	no data available	CNS, heart, kidney
Sodium bisulfate	no data available	no data available	no data available	no data available	Bone marrow

## Carcinogenicity

There are no known carcinogenic chemicals in this product.

Component	ACGIH	IARC	NTP	OSHA	Other
Sodium hydroxide	not applicable	not applicable	not applicable	not applicable	not applicable
Monosodium phosphate, anhydrous	not applicable	not applicable	not applicable	not applicable	not applicable
Sodium bisulfate	not applicable	not applicable	not applicable	not applicable	not applicable

## 12. ECOLOGICAL INFORMATION

## Product Information

No information available.

## Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Water Flea	log Pow
Sodium hydroxide	no data available	LC50= 45.4 mg/L Oncorhynchus mykiss 96 h	no data available	no data available	N/A
Monosodium phosphate, anhydrous	no data available	no data available	no data available	no data available	N/A
Sodium bisulfate	no data available	no data available	no data available	EC50 = 190 mg/L 48 h	N/A

Persistence and Degradability No information available.  
 Bioaccumulation No information available.  
 Mobility No information available.

## 13. DISPOSAL CONSIDERATIONS

Product Disposal Dispose of in accordance with local regulations.  
 Container Disposal Empty containers should be taken for local recycling, recovery, or waste disposal.

## 14. TRANSPORT INFORMATION

## DOT

Proper Shipping Name Sodium hydroxide, solid, mixture  
 Hazard Class 8  
 UN-No UN1823  
 Packing Group II  
 Reportable Quantity (RQ) Sodium hydroxide, RQ kg= 588.85  
 Description UN1823, Sodium hydroxide, solid, mixture, 8, PG II, RQ



## TDG

Proper shipping name Sodium hydroxide, solid, mixture  
 Hazard Class 8  
 UN-No UN1823  
 Packing Group II  
 Description SODIUM HYDROXIDE, SOLID, mixture, 8, UN1823, PG II

## ICAO

UN-No UN1823  
 Proper Shipping Name Sodium hydroxide, solid, mixture  
 Hazard Class 8  
 Packing Group II  
 Shipping Description UN1823, Sodium hydroxide, solid, mixture, 8, PG II

## IATA

UN-No UN1823  
 Proper Shipping Name Sodium hydroxide, solid, mixture  
 Hazard Class 8  
 Packing Group II  
 ERG Code 8L  
 Shipping Description UN1823, Sodium hydroxide, solid, mixture, 8, PG II

## IMDG/IMO

Proper Shipping Name Sodium hydroxide, solid, mixture  
 Hazard Class 8  
 UN-No UN1823  
 Packing Group II  
 EmS No. F-A, S-B  
 Shipping Description UN1823, Sodium hydroxide, solid, mixture, 8, PG II

## 15. REGULATORY INFORMATION

## Inventories

TSCA Complies  
 DSL Complies

## U.S. Federal Regulations

## SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

## SARA 311/312 Hazardous Categorization

Acute Health Hazard	Chronic Health Hazard	Fire Hazard	Sudden Release of Pressure Hazard	Reactive Hazard
Yes	Yes	No	No	No

## CERCLA

Component	Hazardous Substances RQs	CERCLA EHS RQs
Sodium hydroxide	Not applicable	Not applicable
Monosodium phosphate, anhydrous	Not applicable	Not applicable
Sodium bisulfate	Not applicable	Not applicable

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

## WHMIS Hazard Class

E Corrosive material, D2B Toxic materials.



## 16. OTHER INFORMATION

Prepared By	Mike McDowell
Supersedes Date	Not applicable
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Reason for Revision	No information available.
Glossary	No information available.
List of References.	No information available.

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