



### 3. Hazardous Ingredients

Name	CAS Number	Percent composition (p/p)
Sodium Hydroxide	1310-73-2	5-10
Nonyl Phenol Ethoxylate	9016-45-9	1-3
Sodium Metasilicate	497-19-8	1-3
SODIUM CAPRYLYL SULFONATE	5324-84-5	1-5

Within the present knowledge of the supplier, this product when diluted does not contain any hazardous ingredients in quantities that require reporting, in accordance to local regulations.

### 4. First Aid Measures

<b>Skin Contact:</b>	Flush immediately with plenty of water. If irritation persists, get medical attention.
<b>Eye Contact:</b>	Flush eyes thoroughly with water for 5 minutes with eyelids open. If condition worsens or irritation persists, contact physician.
<b>Inhalation:</b>	If breathing is difficult, give oxygen. Seek medical attention.
<b>Ingestion:</b>	Do not induce vomiting. Get immediate medical attention or advice.

### 5. Fire-fighting Measures

<b>Combustion Products:</b>	Oxides of nitrogen and ammonia.
<b>Suitable Extinguishing Media:</b>	Dry chemical, foam, carbon dioxide, water fog.
<b>Flammable Properties:</b>	Not combustible. Will not sustain combustion.
<b>Protection of Fire-Fighters:</b>	No special requirements. Will cause slippery surfaces. 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

<b>Personal Precautions:</b>	Isolate spill or leak area immediately. Ventilate closed spaces before entering. Do not touch or walk through spilled material. Surfaces may become slippery after spillage.
<b>Environmental Precautions:</b>	Do not discharge effluent containing this product into bodies of water.
<b>Cleaning Methods:</b>	Clean-up methods - large spillage. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Use a water rinse for final clean-up.

### 7. Handling and Storage

<b>Handling:</b>	Keep this product from heat, sparks or open flame. Avoid contact with skin and eyes, wash thoroughly after handling.
<b>Storage:</b>	DO NOT CONTAMINATE WATER, FOOD, OR FEED BY STORAGE OR DISPOSAL. Keep tightly closed in a dry, cool and well-ventilated place. This material can accumulate static, may cause spark.

## 8. Exposure Controls / Personal Protection

<b>Engineering Controls:</b>	Use only in well-ventilated areas. Local exhaust is suggested for use, where possible, in enclosed or confined spaces.
<b>Personal Protective Equipment:</b>	Ojos: Chemical goggles. Piel: Use impervious gloves. Emergency showers. Respiratorio: NIOSH approved respiratory protection for ammoniacal vapors should be worn.

## 9. Physical and Chemical Properties

<b>Physical state</b>	Liquid	<b>Viscosity</b>	10 cps	<b>Flash point</b>	N/A
<b>Odor</b>	None	<b>Boiling point</b>	220F	<b>Partition coefficient (octanol/water)</b>	N/A
<b>Color</b>	Red	<b>Freezing point</b>	0F	<b>Vapor pressure</b>	N/A kPa
<b>pH</b>	11.5-12.5	<b>Solubility in water</b>	Complete	<b>Decomposition Temperature</b>	N/A
<b>Relative Density (g/mL)</b>	1.1	<b>Flammability</b>	N/A	<b>Exposivity limit</b>	N/A
<b>Auto-ignition temperature</b>	N/A	<b>Vapor density</b>	N/A		

## 10. Stability and Reactivity

<b>Chemical Stability:</b>	Stable under normal conditions.
<b>Conditions to avoid:</b>	Stable under normal conditions.
<b>Incompatible materials:</b>	Ammonia or chlorine.
<b>Hazardous decomposition products:</b>	Will NOT occur.
<b>Posibility of Hazardous reactions:</b>	Under normal conditions of storage and use, hazardous reactions will not occur.

## 11. Toxicological Information

<b>Chronic Toxicity:</b>	Product does not present an acute toxicity hazard
<b>Carcinogenicity:</b>	No known significant effects or critical hazards.

## 12. Ecological Information

<b>Ecotoxicity:</b>	No ecological or special considerations when used according to directions. Not considered enviromentally harmful from normal dilution, expected usage and drainage to sewers.
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## 13. Disposal Considerations

**Waste disposal method:** Comply with all local, state and federal regulations. Consult your state DNR or the EPA for specific questions.

## 14. Transport Information

**Ground Transport (US DOT):** UN number: 1824 Description of the goods: Sodium hydroxide solution Class: 8 Packing group: II Environmentally hazardous: no

**Air Transport (ICAO / IATA):** UN number: 1824 Description of the goods: SODIUM HYDROXIDE SOLUTION Class: 8 Packing group: II Marine pollutant: no

**Marine/Water Transport (IMDG):** Sea transport (IMDG/IMO) UN number: 1824 Description of the goods: SODIUM HYDROXIDE SOLUTION Class: 8 Packing group: II Marine pollutant: no

## 15. Regulatory Information

**HCS Classification:** Not regulated

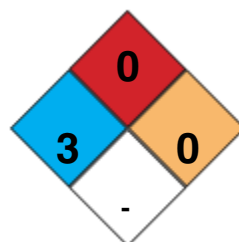
**EPA Registration Number:** Not applicable

## 16. Other Information

### Hazardous Materials Information System (HMIS)

Health	3
Flamability	2
Physical hazards	0

### National Fire Protection Association (NFPA)



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