

Skin Protection: Use synthetic apron, other protective equipment as necessary to prevent skin contact.

Respiratory Protection: A respirator is not needed under normal and intended conditions of product use.

Hygiene Measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking, and using lavatory and at the end of working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing.

Section 9 ~ Physical and Chemical Properties

Product as a Concentrate:

Physical State: Liquid

Color: Clear to Slightly Hazy

Odor: Slight

pH: 14.00

Flash Point: None

Explosion Limits: None

Flammability: Will not burn or support combustion

Melting Point: Not Applicable

Boiling Point: >100°C (212°F)

Evaporation Rate: Not Determined

Vapor Pressure: Not Determined

Vapor Density: Not Determined

Specific Gravity: 1.49 +/- 0.02

Solubility: Easily soluble in either cold or hot water

Viscosity: Same as water

Section 10 ~ Stability and Reactivity

Product as a Concentrate

Stability: This product is stable.

Possibility of Hazardous Reactions: Under normal conditions of storage and use, no hazardous reactions will occur.

Conditions to Avoid: None

Materials to Avoid: Extremely reactive or incompatible materials such as acids.

Reactive or incompatible with the following materials: Oxidizers.

Slightly reactive or incompatible with the following materials: Metals.

Hazardous Decomposition Products: Under normal conditions of storage and use hazardous decomposition shall not occur.

Section 11 ~ Toxicological Information

Routes of Exposure: Skin Contact, Eye Contact, Inhalation, Ingestion.

Product as a Concentrate

Symptoms

Skin Contact: Adverse symptoms may include the following: Pain or irritation, redness, rash. Blistering may occur.

Eye Contact: Adverse symptoms may include the following: Pain or irritation, redness, watering.

Inhalation: Adverse symptoms may include the following: Coughing, respiratory tract irritation.

Ingestion: Adverse symptoms may include the following: Stomach pains, diarrhea.

Acute Toxicity

Skin Contact: Causes damage / irritation.

Eye Contact: Causes damage / irritation.

Inhalation: Can cause slight respiratory irritation.

Ingestion: Causes burns to the mouth, throat and stomach.

Toxicity Data: Product / Ingredient Name
Not Applicable

Chronic Toxicity

Carcinogenicity: No known significant effects or critical hazards.

Mutagenicity: No known significant effects or critical hazards.

Teratogenicity: No known significant effects or critical hazards.

Section 12 ~ Ecological Information

Product as a Concentrate

Ecotoxicity: This material is harmful to aquatic life.

Aquatic and Terrestrial Toxicity

Product / Ingredient Name	Results	Species	Exposure
Sodium Hydroxide	Acute LC50 - 1000 mg/l	Rainbow Trout	96 Hours
	Acute LC50 - 4090 mg/kg	Rat	24 Hours

Other Adverse Effects: No known significant effects or critical hazards.

Section 13 ~ Disposal Methods & Considerations

Product as a Concentrate

Disposal Methods: Avoid disposal. Attempt to use product completely in accordance with intended use. Disposal should be in accordance with all local, State, and Federal regulations.

RCRA Classification: None

Section 14 ~ Transportation Information

Note: Certain shipping modes or packaging sizes may have exceptions from the transportation regulations. The classification provided may not reflect those exceptions and may not apply to all shipping modes or packaging sizes.

DOT (U.S. Department of Transportation)

UN Number: 1824

DOT Classification: Corrosive

DOT Proper Shipping Name: Sodium Hydroxide Solution

Shipping Class: 8

Packaging Group: 2

IMO/IMDG

IMO/IMDG Classification: Corrosive

IMO/IMDG Proper Shipping Name: Sodium Hydroxide Solution

Shipping Class: 8

Packaging Group: 2

Section 15 ~ Regulatory Information

Product as a Concentrate**U.S. Federal Regulations**

TSCA 8(b) Inventory: All components are listed or exempt.

SARA 302/304/311/312 Extremely Hazardous Substances: No Listed Substances.

SARA 313	Product Names	CAS Number	Concentration
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No Listed Substances.

California Prop. 65: No Listed Substances.

Section 16 ~ Other Information

	NFPA	HMIS	Key
HEALTH	2	2	4= Severe
FLAMMABILITY	0	0	3= Serious
REACTIVITY	1	1	2= Moderate
OTHER/PROTECTION	-	D	1= Slight 0= Minimal

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