

SECTION 4 – FIRST AID MEASURES

First-aid measures general	:	If you feel unwell, seek medical advice (Show the label where possible).
First-aid measures after skin contact	:	Immediately take off contaminated clothing and wash it before reuse. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor/physician.
First-aid measures after eye contact	:	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.
First-aid measures after inhalation	:	Remove victim into fresh air and keep comfortable for breathing. If experiencing respiratory symptoms, call a poison center or doctor.
Symptoms/injuries after inhalation	:	May cause respiratory irritation.
Symptoms/injuries after skin contact	:	Causes skin irritation.
Symptoms/injuries after eye contact	:	Causes serious eye damage. Corrosion of the eye tissue. Permanent eye damage.
Symptoms after ingestion	:	Harmful if swallowed. Burns to the gastric/intestinal mucosa. Gastrointestinal complaints. Cramps. Nausea.
Symptoms/injuries	:	Causes serious eye damage. Causes skin irritation. May cause cancer. Harmful if swallowed.

SECTION 5 – FIRE FIGHTING MEASURES

Suitable extinguishing media allowed.	All extinguishing media
Firefighting instructions	Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers. Take account of environmentally hazardous fire fighting water.
Protection during firefighting	Do not enter fire area without proper protective equipment, including respiratory protection.

Reactivity: Thermal decomposition may produce oxides of carbon and nitrogen.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

General measures: Isolate from fire, if possible, without unnecessary risk.

Protective equipment	Gloves, Protective goggles. Protective clothing.
Emergency procedures	Evacuate unnecessary personnel. Avoid contact with skin, eyes and clothing. Ventilate spillage area.
Protective equipment	Equip cleanup crew with proper protection.
Emergency procedures	Stop leak if safe to do so. Stop release. Ventilate area.
Environmental protection	Avoid release to the environment. Prevent soil and water pollution.
For containment	Contain released substance, pump into suitable containers
Methods for cleaning up	This material and its container must be disposed of in a safe way, and as per local legislation.

SECTION 7 – HANDLING AND STORAGE

- Precautions for safe handling : Obtain special instructions before use. Comply with the legal requirements.
Do not handle until all safety precautions have been read and understood.
Use personal protective equipment as required. Do not eat, drink or smoke when using this product. Do not get in eyes, on skin, or on clothing. Do not breathe mist, spray.
- Hygiene measures : Wash thoroughly after handling. Wash contaminated clothing before reuse.
- Technical measures : Comply with applicable regulations. Always add product to water for dilution mixture. Do not add water to this product.
- Storage conditions : Keep container tightly closed when not in use. Store in original container
- Incompatible products : Strong acids.
- Storage area : Store in a cool, dry area.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters: No additional information available

Sodium hydroxide
(1313-73-2) ACGIH Ceiling: 2
mg/m³
Remark: URT, eye and skin
irritant
OSHA PEL TWA 2 mg/m³

Personal protective
equipment:

Use appropriate personal protective equipment when risk assessment indicates this is necessary. Protective gloves. Safety glasses. Protective clothing.



SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical state	: Liquid
Appearance	: Clear, pink liquid.
Odour	: Mild odour.
Odour threshold	: No data available
pH	: 11.5 to 14
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Vapour pressure	: No data available
Relative density	: No data available
Relative vapor density at 20 °C	: No data available
Specific gravity / density	: 1.11 g / ml

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Solubility	: Soluble in water.
Log Pow	: No data available
Log Kow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
VOC content	: No data available

SECTION 10 - STABILITY AND REACTIVITY

Reactivity: Thermal decomposition may produce oxides of carbon and nitrogen.

Incompatible materials : Strong acids.

Stability: No additional information available.

Conditions to avoid: No additional information available.

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

SECTION 11 – TOXICOLOGICAL INFORMATION

Acute toxicity: Oral. Harmful if swallowed.

Sodium hydroxide, caustic soda (1310-73-2)	LD50 (oral/rat) 4090 mg/kg
	LD50 (dermal/rabbit) 1350 mg/kg
	ATE CLP (oral) 4090.000 mg/kg body weight
	ATE CLP (dermal) 1350.000 mg/kg body weight
Sodium nitrite (7632-00-0)	ATE CLP (oral) 100.000 mg/kg body weight

Skin corrosion/irritation: Causes severe skin burns

Serious eye damage/irritation: Causes serious eye damage. pH 11.5 – 14

Respiratory or skin sensitization: Not classified

Germ cell mutagenicity: Not classified

Carcinogenic: May cause cancer.

Reproductive toxicity: Not classified

Specific target organ toxicity (single exposure): Not classified

Symptoms/injuries after inhalation: May cause respiratory irritation.

Symptoms/injuries after skin contact: Causes skin irritation.

Symptoms/injuries after eye contact: Causes serious permanent eye damage. Corrosion of the eye tissue.

Symptoms/injuries after ingestion: Harmful if swallowed. Burns to the gastric/intestinal mucosa.

Gastrointestinal complaints. Cramps. Nausea.

SECTION 12 - ECOLOGICAL INFORMATION

Ecology (General): No additional information available.
Persistence and degradability: No additional information available.
Bioaccumulation potential: No additional information available.

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste disposal recommendations	Dispose in a safe manner in accordance with local/national regulations.
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SECTION 14 – TRANSPORT INFORMATION

Transportation of Dangerous Goods: UN3266, CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (SODIUM HYDROXIDE) CLASS 8 PG II.

SECTION 15 - REGULATORY INFORMATION

THE CLASSIFICATION, LABEL AND SDS COMPLIES WITH THE REQUIREMENTS OF WHMIS 2015

SECTION 16 - OTHER INFORMATION

Information Sources: SUPPLIER'S SDS
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