

V. HEALTH INFORMATION

PHYSIOLOGICAL & HEALTH EFFECTS

Routes of Entry:

- Eyes:** May cause tissue damage and vision loss.
- Skin:** Strongly corrosive to tissue.
- Inhalation:** Severe respiratory tract irritant.
- Ingestion:** Corrosive to gastrointestinal tissue.
- Toxicity:** Acute oral toxicity LD50 for rabbits is 500 mg/kg for sodium hydroxide.

EMERGENCY & FIRST AID PROCEDURES

- Eyes:** IMMEDIATELY flush with large quantities of water for at least 15 minutes and seek medical attention.
- Skin:** Flush contaminated area with plenty of water. Seek medical attention immediately.
- Inhalation:** Remove from exposure. Seek medical attention immediately.
- Ingestion:** DO NOT induce vomiting. Seek medical attention immediately.

SYMPTOMS OF OVEREXPOSURE

- Acute:** Dusts and mists are irritating to mucous membranes of the respiratory tract, mouth, throat, esophagus and stomach. Irritating to eyes and skin. May cause corneal damage.
- Chronic:** The chronic local effect may consist of multiple areas of superficial destruction of the skin or of primary irritant in varying degrees of irritation to the respiratory tract issues.

VI. REACTIVITY DATA

- Stability:** Stable in normal use.
- Conditions To Avoid:** Mixture with strong acids produces considerable heat.
- Incompatibility:** With strong acids.

Hazardous Decomposition Products: None **Hazardous Polymerization:** Will not occur

VII. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor:	Clear, amber liquid with slight odor.	Boiling Point:	244°F
Vapor Density (air = 1):	N/A	Melting Point:	-27°F
Vapor Pressure:	None	Solubility in Water:	45%
Specific Gravity (H₂O = 1):	1.55 (typical)	Molecular Weight:	--
Other (i.e. wtg. per gallon)	12.9 lbs/gal (typical)	pH:	14

VIII. SPECIAL PRECAUTIONS

Handling and Storage Precautions:

Use black iron, mild steel, cast iron or stainless steel for bulk storage. Copper, tin, zinc, aluminum, and their alloys must be avoided. Do not store below 45°F. Storage temperature of 70° to 100°F is recommended.

IX. FIRE PROTECTION INFORMATION

Flash Point:	Not flammable.	Flammable Limits:	N/A
Extinguishing Media:	Water, dry chemical.		
Special Firefighting Procedures:	N/A		

X. TRANSPORTATION REQUIREMENTS

DOT Proper Shipping Name:	Sodium Aluminate Solution
DOT Classification:	8
UN/NA Identification Number:	UN 1819
Other Requirements:	Corrosive Label
Packing Group:	II

XI. SPILL OR LEAK PROCEDURES

Environmental Impact:

Releases to streams may kill aquatic life. Releases to land may react with soil and may penetrate great distances underground posing potential severe environmental impact.

Precautions if Spilled or Released:

Steps should be taken to contain spilled liquids and prevent discharges to streams or sewer systems.

Neutralizing Chemicals: Dilute Acid.

Waste Disposal Methods: According to Federal, State, and Local laws and regulations.

SALES OFFICE

For Product Information:
TEL: 662-494-3055
FAX: 662-494-2828

Post Office Drawer 1217
West Point, MS 39773

To Place An Order:
TEL: 800-953-3585
FAX: 800-953-3588

IMPORTANT

The information on this Material Safety Data Sheet is believed to be accurate but is not warranted to be so. Protective equipment, health effects, and other related safety measures are based on intended and anticipated product use. Recipients are advised to confirm in advance of need that the information is applicable and suitable to their circumstances.