

MATERIAL SAFETY DATA SHEET
 LaMOTTE COMPANY
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24 Hour Emergency Number (CHEM-TEL) 800-255-3924

1. PRODUCT IDENTIFICATION

Alkaline Potassium Iodide Azide

Code Nr. **THS-6349**

2. HAZARDOUS INGREDIENTS

NAME	CAS #	TSCA #	%	PEL	TLV
Potassium Hydroxide	1310-58-3		60 - 70	C 2 mg/cubic m	C 2 mg/cubic m
† Sodium Azide	26628-22-8		<1	C 0.1 ppm (skin) as HN3	C 0.3 mg/cubic m as NaN3

3. NON-HAZARDOUS INGREDIENTS EXCEPT WATER (7732-18-5)

NAME	CAS #	%
Potassium Iodide	7681-11-0	14
Water to 100%		

4. PHYSICAL DATA

Appearance: Clear Colorless Liquid
Solubility in Water: Soluble *Odor:* None *Boiling Point:* Unknown *Melt. Point:* N/A
Vapor Pressure: Unknown *Vapor Density:* Unknown *pH:* 14

5. FIRE AND EXPLOSION DATA

Flash Point (method used): N/A *Flammable Limit: LEL:* N/A *UEL:* N/A
Extinguishing Media: Not a fire hazard
HMIS Hazard: Health - 3 Flammability - 0 Reactivity - 2 Scale: 4 = Extreme, 3 = High, 2 = Moderate, 1 = Slight, 0 = Least
Special Fire Fighting Procedures:
 Wear self contained breathing apparatus and protective clothing to prevent inhalation and contact with eyes.
Unusual Fire & Explosion Hazard:
 Violent exothermic reaction occurs with water. May produce enough heat to ignite combustibles. Can react with metals to produce hydrogen, forming explosive mix with air.

6. REACTIVITY DATA

Stability: *Conditions to avoid:* Heat
 Stable *Incompatibility (Materials to avoid):*
 Strong acids, metals
 Unstable
Hazardous Decomposition Products: Hydrogen gas

7. HEALTH HAZARD DATA

Toxicity: orl rat LD50: 365 mg/kg for potassium hydroxide; 27 mg/kg for sodium azide solid
Primary Route of Entry: *Inhalation* *Skin* *Carcinogenicity:* *None* *NTP*
 Ingestion *N/A* *OSHA* *IARC*
Other Health Related Comments:
Target Organs: Corrosive to all body parts, Eyes, Skin.
Signs and symptoms of exposure:
 Severe burns, may be fatal if swallowed
Medical Condition Aggravated by Exposure: N/A

8. EMERGENCY FIRST AID PROCEDURES

Eye Contact: Immediately flush with water for 15 minutes. Get medical attention immediately.
Ingestion: Do not induce vomiting. Rinse out mouth, drink plenty of water and call a doctor immediately.
Inhalation:
 Remove to fresh air.
Skin Contact:
 Immediately flush with water while removing affected clothing and rinse skin thoroughly for 15 minutes. Consult physician.

9. SPILL AND DISPOSAL PROCEDURES

Spill and Leak:
 Neutralize by carefully and slowly adding dilute hydrochloric acid (conc. 6M or less) to pH 7. Collect waste liquid. Dispose of as follows:
Disposal:
 Small amt. <25 mL - Flush neutralized waste to drain with water. Large amt. - Sodium azide can react with metal--such as copper pipes--to form shock or friction sensitive metal azides (explosive). Dispose of larger amts. as hazardous waste, according to federal, state and local regulations.

10. PRECAUTIONARY MEASURES

In Handling: *Gloves* *Eye Protection* *N/A* *Other:* Lab Coat
Ventilation *Normal* *Mechanical* *Respiratory Protection*
Work/Hygienic Practices: Avoid contact with skin and clothing.

11. SPECIAL PRECAUTIONS

Store away from incompatible items (acids, metals).

DATE: 5/28/98 The above information is believed to be correct but does not claim to be all inclusive and should be used only as a guide.

† This is a toxic chemical subject to reporting requirements of section 313 of EPCRA and 40CFR372.