

MATERIAL SAFETY DATA SHEET

SODIUM DISPERSION

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS Name: SODIUM DISPERSION

Company Identification

Alkali Metals Ltd.,

Plot B-5, Block III, Uppal I.D.A,

Hyderabad - 500 039, India

For information call :- + +91- 40- 2720 2298 / 2756 3002; Fax: ++91 40 2756 2634 / 2720 1454

Email :- alkali@hd1.vsnl.net.in / amlnet@hd2.vsnl.net.in

SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS

CAS#	Chemical Name	%
7440-23-5	SODIUM DISPERSION	30 (in mineral oil or toluene)

Hazard Symbols: Flammable solid and dangerous when wet.

SECTION 3 - HAZARDS IDENTIFICATION - EMERGENCY OVERVIEW

Appearance:- Grey powder in organic liquid

Danger:- Causes eye burns. Causes digestive tract burns. Causes respiratory tract burns.

Corrosive:- Air sensitive. Contact with skin causes irritation and possible burns, especially if the skin is wet or moist.

Target Organs:- None known.

Potential Health Effects:- Eye:-Contact with eyes may cause severe irritation, and possible eye burns. May cause eye injury.

Skin:- Contact with skin causes irritation and possible burns, especially if the skin is wet or moist.

Ingestion:-Causes gastrointestinal tract burns.

Inhalation:- May cause severe irritation of the respiratory tract with sore throat, coughing, shortness of breath and delayed lung edema.

Chronic:- Prolonged or repeated skin contact may cause dermatitis.

SECTION 4 - FIRST AID MEASURES

Eyes:-Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids. Get medical aid immediately.

Skin:-Get medical aid. Immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion:-Never give anything by mouth to an unconscious person. Get medical aid immediately. DO NOT induce vomiting. Allow the victim to rinse his mouth and then to drink 2-4 cupfuls of water, and seek medical advice.

Inhalation:-Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.

Notes to Physician:-Treat symptomatically.

SECTION 5 - FIRE FIGHTING MEASURES

General Information:- Highly flammable. May explode on contact with water. Do not use Water, Foam, Soda Acid, Dry Chemical, Carbondioxide or Carbon Tetra Chloride. Extinguish with Powdered Limestone, Powdered Sodium Chloride, Graphite or Dry Sand.

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SECTION 6 - ACCIDENTAL RELEASE MEASURES

General Information:-

Use proper personal protective equipment.

Spills / Leaks may catch fire on contact with air, moisture or water. Extinguish Sodium fire using Dry Sodium Chloride, Graphite, Calcium Carbonate or Sand. After extinguishing Sodium fire the organic liquid fire can be dealt with using Carbondioxide extinguisher.

SECTION 7 - HANDLING and STORAGE

Handling:-Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Do not get in eyes, on skin, or on clothing. Keep container tightly closed. Do not get on skin or in eyes. Avoid ingestion and inhalation. Do not ingest or inhale.

Storage:- Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Keep away from strong acids. Keep away from water.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

Personal Protective Equipment

Eyes:-Wear safety glasses and chemical goggles if splashing is possible. Wear appropriate protective eyeglasses or chemical safety goggles.

Skin:- Wear appropriate protective gloves and clothing to prevent skin exposure.

Clothing:-Wear appropriate protective clothing to minimize contact with skin.

Respirators:- Wear a NIOSH/MSHA-approved (or equivalent) full-facepiece airline respirator in the positive pressure mode with emergency escape provisions.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Suspended in Organic liquid	Appearance	Gray powder in Organic liquid
Odour	Characteristic	PH	Highly Alkaline.
Vapor Pressure	Not applicable	Vapor Density	Not applicable
Evaporation Rate	Not applicable.	Viscosity	Not applicable.
Boiling Point	Not applicable	Freezing/Melting Point	Not applicable
Decomposition Temp.	Not applicable	Solubility	Not applicable
Specific Gravity /Density	Not applicable	Molecular Formula	Na

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability:-Stable under normal temperatures and pressures. **Conditions to Avoid:-**

Incompatible materials, moisture, exposure to air, contact with water, oxidizers. **Incompatibilities**

with other Materials:- Reacts violently with acids, water. **Hazardous Decomposition Products:-** Carbon monoxide, carbon dioxide and Sodium Oxide fumes **Hazardous Polymerization:-** Has not been reported.

SECTION 11 - TOXICOLOGICAL INFORMATION

Carcinogenicity:- Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

Epidemiology:-No data available.

Teratogenicity:-No data available.

Reproductive Effects:-No data available.

Neurotoxicity:-No data available.

Mutagenicity:-No data available.

Other Studies:- No data available.

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SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity:-Not available.

SECTION 13 - DISPOSAL CONSIDERATIONS

Dispose of in a manner consistent with federal, state, and local regulations.

RCRA D-Series Maximum Concentration of Contaminants: Not listed.

RCRA D-Series Chronic Toxicity Reference Levels: Not listed.

RCRA F-Series: Not listed.

RCRA P-Series: Not listed.

RCRA U-Series: Not listed.

Not listed as a material banned from land disposal according to RCRA.

SECTION 14 - TRANSPORT INFORMATION

US DOT:- Shipping Name: **SODIUM DISPERSION (ALKALI METAL DISPERSION)**

Class / Division. : 4.3 & 3

Hazard : Dangerous when wet

Subsidiary risk : Flammable liquid

UN Number : 1391

Packing Group : I

IMO : No information available.

IATA : No information available.

RID/ADR : No information available.

MSDS Creation Date: 22/09/1998

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