

MATERIAL SAFETY DATA SHEET

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS Name : BROMOACETALDEHYDE DIMETHYL ACETAL

Synonyms : 2-Bromo-1,1-dimethoxyethane

Company Identification

Alkali Metals Ltd.,

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

Hyderabad - 500 039. India

For information call :- +91 40 2756 3002 / 2756 2932 / 2720 1179

Email :- alkalimetals@alkalimetals.com

SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS

CAS#	Chemical Name
7252-83-7	Bromoacetaldehyde dimethyl acetal

Hazard symbol : Xi

Risk Phrases : 10 36/37/38

SECTION 3 – HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Flammable, irritating to eyes, respiratory system and skin.

POTENTIAL HEALTH EFFECTS

Eye : Causes eye irritation.

Skin : Causes skin irritation. May be harmful if absorbed through the skin.

Ingestion : May cause irritation of the digestive tract. May be harmful if swallowed.

Inhalation : Causes respiratory tract irritation. May be harmful if inhaled.

Chronic : Not available.

SECTION 4 - FIRST AID MEASURES

Eyes : Flush eyes with plenty of water occasionally lifting the upper and lower eyelids. Get medical aid immediately.

Skin : Get medical aid. Flush skin with plenty of soap and water while removing contaminated clothing and shoes. Remove contaminated clothing and shoes.

Ingestion : Get medical aid immediately. Do NOT induce vomiting. Allow the victim to rinse his mouth with water.

Inhalation : Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Notes to Physician : Treat symptomatically.

SECTION 5 – FIRE FIGHTING MEASURES

General Information : As in any fire, wear a self-contained breathing apparatus and full protective gear. Flammable Liquid.

Extinguishing Media : Use agent most appropriate to extinguish fire.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

General Information : Use proper personal protective equipment.

Spills / Leaks : Absorb spill with inert material, (e.g., dry sand or earth), then place into a chemical waste container. Clean up spills immediately. Remove all sources of ignition. Use a spark-proof tool.

SECTION 7 - HANDLING AND STORAGE

- Handling : Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes.
Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Avoid contact with heat, sparks and flame
- Storage : Keep away from heat, sparks, and flame. Store in a tightly closed container.
Store in a dry area.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

- Engineering Controls : Use adequate ventilation to keep airborne concentrations low
- Exposure Limits : Not available

PERSONAL PROTECTIVE EQUIPMENT

- Eyes : Wear chemical goggles, safety glasses without fail during handling.
- Skin : Wear appropriate protective gloves and clothing to prevent skin exposure.
- Clothing : Wear appropriate protective clothing to minimize contact with skin.
- Respirators : Use appropriate respirators where necessary.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Appearance	Clear, colourless to light yellow
Odor	Not available
PH	Not available
Vapor Pressure	Not available
Vapor Density	Not available
Viscosity	Not available
Boiling Point	148 – 150°C @ 760.00m
Freezing/Melting Point	Not available.
Autoignition Temp.	Not available.
Flash Point	53 °C (127.40° F)
Explosion Limits	Lower : Not available, Upper: Not available.
Decomposition Temp.	Not available
Solubility	Insoluble in water
Specific Gr./Density	1.4300 g/cm ³
Molecular Formula	C ₄ H ₉ BrO ₂
Molecular Weight	169.02

SECTION 10 - STABILITY AND REACTIVITY

- Chemical stability : Stable under normal temperatures and pressures.
- Conditions to avoid : Incompatible materials, moisture.
- Incompatibilities with other Materials : Strong oxidizing agents, acids.
- Hazardous Decomposition Products : Carbon monoxide, irritating and toxic fumes and gases, carbon dioxide, hydrogen bromide.
- Hazardous Polymerization : Not available

SECTION 11 - TOXICOLOGICAL INFORMATION

- RTECS# : CAS# 7252-83-7 None listed
- LD50/LC50 : Not available.
- Carcinogenicity : Bromoacetaldehyde dimethyl acetal - Not listed by ACGIH, IARC, NTP.

SECTION 12 – ECOLOGICAL INFORMATION

Not available

SECTION 13 - DISPOSAL CONSIDERATIONS

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

SECTION 14 – TRANSPORT INFORMATION

	IATA	IMO	RID / ADR
Shipping Name	No information available	No information available	No information available
Hazard Class	--	--	--
UN No.	--	--	--
Packing Group	--	--	--

SECTION 15 – REGULATORY INFORMATION

European / International Regulations :

European Labeling in Accordance with EC Directives

Hazard Symbols : XI

Risk Phrases : R 10 Flammable.
R 36 / 37 / 38 Irritating to eyes respiratory system and skin.

Safety Phrases : S 16 Keep away from sources of ignition – No smoking.
S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S 28A After contact with skin, wash immediately with plenty of water.

WGK (Water Danger / Protection)

CAS # 7252-83-7 : Not available

Canada

CAS# 7252-83-7 is listed on Canada's NDSL list.

US FEDERAL

TSCA
CAS# 7252-83-7 is listed on the TSCA inventory.

Section 16 – Additional Information

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall Alkali Metals Ltd., be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Alkali Metals Ltd., has been advised of the possibility.