

MSDS for CYCLOHEXYL BROMIDE, 99%

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION
MSDS Name : Cyclohexyl bromide, 99%
Synonyms : Bromocyclohexane

Company Identification:

Alkali Metals Ltd.,

Plot B-5, Block III, IDA Uppal, Hyderabad –500 039. INDIA

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SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS

CAS#	Chemical Name	%	EINECS#
	Cyclohexyl bromide		unlisted
108-85-0	Cyclohexyl bromide	99	203-622-2

SECTION 3 – HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Not available.

POTENTIAL HEALTH EFFECTS

The toxicological properties of this material have not been investigated. Use appropriate procedures to prevent opportunities for direct contact with the skin or eyes and to prevent inhalation.

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.

Skin : Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion : 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.

Notes to Physician : Treat symptomatically and supportively.

SECTION 5 - FIRE FIGHTING MEASURES

General Information : As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Extinguishing Media : In case of fire, use water, dry chemical, chemical foam, or alcohol-resistant foam.

Autoignition Temperature : Not available.

Flash Point : 62 deg C (143.60 deg F)

NFPA Rating : Not published.

Explosion Limits : Lower: Not available.

Upper: Not available.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

General Information : Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks : Absorb spill with inert material, (e.g., dry sand or earth), then place into a chemical waste container. Clean up spills immediately, observing precautions in the Protective Equipment section

SECTION 7 – HANDLING AND STORAGE

Handling : Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation.

Storage : Store in a cool, dry place. Keep container closed when not in use.

SECTION 8 – EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls : Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits. Use process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels.

PERSONAL PROTECTIVE EQUIPMENT

Eyes : Wear safety glasses and chemical goggles if splashing is possible.

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 or European Standard EN 149 approved full-facepiece airline respirator in the positive pressure mode with emergency escape provisions.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State	:	Not available.
Appearance	:	Clear slightly yellow liquid
Odor	:	Not available.
PH	:	Not available.
Vapor Pressure	:	Not available.
Viscosity	:	Not available.
Boiling Point	:	166 - 167 deg C @ 760.00mm Hg
Freezing/Melting Point	:	Not available.
Decomposition Temperature	:	Not available.
Solubility	:	Insoluble
Specific Gravity/Density	:	1.3240g/cm3
Molecular Formula	:	C ₆ H ₁₁ Br
Molecular Weight	:	163.06

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability : Stable under normal temperatures and pressures.

Conditions to Avoid : Incompatible materials, strong oxidants.

Incompatibilities with Other Materials : Strong oxidizing agents, strong bases.

Hazardous Decomposition Products : Carbon monoxide, irritating and toxic fumes and gases, carbon dioxide, hydrogen bromide.

Hazardous Polymerization : Has not been reported.

SECTION 11 - TOXICOLOGICAL INFORMATION

RTECS# : CAS# unlisted. CAS# 108-85-0 unlisted.

LD50/LC50 : Not available. Not available.

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

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See actual entry in RTECS for complete information.

SECTION 12 - ECOLOGICAL INFORMATION

FOR FURTHER INFORMATION, CONTACT ALKALI METALS LTD.

SECTION 13 - DISPOSAL CONSIDERATIONS

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

SECTION 14 - TRANSPORT INFORMATION

	US DOT	IMO	IATA	RID/ADR	Canadian TDG
Shipping Name:	No information available	-	-	-	No information available.
Hazard Class:	-	-	-	-	-
UN Number:	-	-	-	-	-
Packing Group:	-	-	-	-	-

SECTION 15 - REGULATORY INFORMATION

European/International Regulations : European Labeling in Accordance with EC Directives

Hazard Symbols: Not available.

Risk Phrases:

Safety Phrases: S 24/25 Avoid contact with skin and eyes.

WGK (Water Danger/Protection)

CAS# : No information available.

CAS# 108-85-0: No information available.

Canada

CAS# 108-85-0 is listed on Canada's DSL/NDL List.

CAS# is not listed on Canada's Ingredient Disclosure List.

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Exposure Limits : US FEDERAL

TSCA

CAS# is not listed on the TSCA inventory.

It is for research and development use only.

CAS# 108-85-0 is listed on the TSCA inventory.

SECTION 16 - ADDITIONAL INFORMATION

MSDS Date : 15/05/2000

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 the company 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 the company has been advised of the possibility of such damages.