

ALKALI METALS LTD.,	Material Safety Data Sheet
Product	Cyclopentanone

Section 1	CHEMICAL PRODUCT AND COMPANY IDENTIFICATION
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MSDS Name : Cyclopentanone

Catalog Numbers : 11153-0000, 11153-0010, 11153-2500

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
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CAS#	Chemical Name	%	EINECS#
120-92-3	Cyclopentanone	99+%	204-435-9

SECTION 3	HAZARDS IDENTIFICATION
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EMERGENCY OVERVIEW

Flammable. Irritating to eyes and skin.

POTENTIAL HEALTH EFFECTS

Eye : Causes eye irritation.

Skin : Causes skin irritation.

Ingestion : May cause central nervous system depression, kidney damage, and liver damage. May cause unconsciousness.

Inhalation : May cause respiratory tract irritation. May cause narcotic effects in high concentration.

Chronic : Not available.

SECTION 4	FIRST AID MEASURES
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Eyes : Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids.

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

Ingestion : Get medical aid. Wash mouth out with water.

Inhalation : Remove from exposure to fresh air immediately.

Notes to Physician : Treat symptomatically and

SECTION 5	FIRE FIGHTING MEASURES
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General Information : As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Vapors may form an explosive mixture with air. Vapors can travel to a source of ignition and flash back. Will burn if involved in a fire.

Extinguishing Media : Use water spray to cool fire-exposed containers. Use foam, dry chemical, or carbon dioxide. Water may be ineffective.

SECTION 6	ACCIDENTAL RELEASE MEASURES
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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. Remove all sources of ignition.

SECTION 7	HANDLING AND STORAGE
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Handling : Use spark-proof tools and explosion proof equipment. Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes.

Storage : Keep away from sources of ignition. Store in a cool, dry place. Store in a tightly closed container. Flammables-area.

SECTION 8	EXPOSURE CONTROLS, PERSONAL PROTECTION
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Engineering Controls : Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

PERSONAL PROTECTIVE EQUIPMENT

Eyes : Wear chemical goggles.

Skin : Wear appropriate protective gloves to prevent skin exposure.

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

Respirators : Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

SECTION 9	PHYSICAL AND CHEMICAL PROPERTIES
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Physical State	:	Liquid
Appearance	:	Clear colorless to slightly yellow
Odor	:	Ethereal odor
PH	:	Not available.
Vapor Pressure	:	< 200 mbar @ 50 deg C
Viscosity	:	Not available.
Boiling Point	:	130 - 131 deg C @ 760.00mm Hg
Freezing/Melting Point	:	-51 deg C
Autoignition Temperature	:	430 deg C (806.00 deg F)
Flash Point	:	31 deg C (87.80 deg F)
Explosion Limits, Lower	:	Not available.
		Upper: Not available.
Decomposition Temperature	:	
Solubility	:	Practically insoluble in water
Specific Gravity/Density	:	.9510g/cm ³
Molecular Formula	:	C ₅ H ₈ (=O)
Molecular Weight	:	84.12

SECTION 10	STABILITY AND REACTIVITY
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Chemical Stability : Stable under normal temperatures and pressures.

Conditions to Avoid : Incompatible materials, acids.

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

Hazardous Decomposition Products : Carbon monoxide, carbon dioxide.

Hazardous Polymerization : May occur.

SECTION 11	TOXICOLOGICAL INFORMATION
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RTECS# : CAS# 120-92-3: GY4725000

LD50/LC50 : Not available.

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

Siehe aktuellen Eintrag im RTECS für vollständige Informationen

SECTION 12	ECOLOGICAL INFORMATION
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FOR FURTHER INFORMATION, CONTACT ALKALI METALS LTD.,

SECTION 13	DISPOSAL CONSIDERATIONS
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Dispose of in a manner consistent with federal, state, and local regulations.

SECTION 14	TRANSPORT INFORMATION
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	US DOT	IATA	IMO	RID/ADR	Canadian TDG
Shipping Name:	CYCLOPENTA NONE	CYCLOPENTA NONE	CYCLOPENTA NONE	CYCLOPENTA NONE	CYCLOPENTA NONE
Hazard Class:	3	3	3.3	-	3
UN Number:	UN2245	2245	2245	2245	UN2245
Packing Group:	III	III	III	-	-
Dangerous Goods Code:	-	-	-	3(31C)	-
Other Information:	-	-	-	-	FLASHPOINT 30 C

SECTION 15	REGULATORY INFORMATION
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European/International Regulations : European Labeling in Accordance with EC Directives

Hazard Symbols: XI

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

Safety Phrases: S 23 Do not inhale gas/fumes/vapour/spray.

WGK (Water Danger/Protection)

CAS# 120-92-3: 1

Canada

None of the chemicals in this product are listed on the DSL/NDSL list.

CAS# 120-92-3 is not listed on Canada's Ingredient Disclosure List.

Exposure Limits

US FEDERAL

TSCA

CAS# 120-92-3 is not listed on the TSCA inventory.

It is for research and development use only.

SECTION 16	ADDITIONAL INFORMATION
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MSDS Creation 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.