

MATERIAL SAFETY DATA SHEET

5-BENZYL-1H-1,2,3,4-TETRAZOLE

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS Name : 5-BENZYL-1H-1,2,3,4-TETRAZOLE

Synonyms :

Company Identification:

Alkali Metals Ltd.,

Plot B-5, Block III, IDA Uppal

Hyderabad, India - 500 039

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SECTION – 2 COMPOSITION, INFORMATION ON INGREDIENTS

CAS No.	Chemical Name
18489-25-3	5-Benzyl-1H-1,2,3,4-tetrazole

Hazard Symbols :

Risk Phrases :

SECTION – 3 HAZARDS IDENTIFICATION

Emergency overview

Not available

Potential Health Effects

Eyes May cause eye irritation.

Skin May cause skin irritation.

Ingestion May cause irritation of the digestive tract.

Inhalation May harmful if inhaled.

SECTION – 4 FIRST AID MEASURES

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

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

Ingestion Get medical aid. Wash mouth out with water.

Inhalation Get medical aid. Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give Oxygen.

SECTION – 5 FIRE FIGHTING MEASURES

General information As in case of any fire, use a self-contained breathing apparatus and full protective gear.

Extinguishing media Use water spray, dry chemical, carbon dioxide or chemical foam.

SECTION – 6 ACCIDENTAL RELEASE MEASURES

General information Use proper personal protective equipment.

Spills/leaks Vacuum or sweep up material and place into a suitable disposal container.

SECTION – 7 HANDLING AND STORAGE

Handling	Avoid breathing dust, vapour, mist, or gas. Avoid contact with skin and eyes.
Storage	Store in a dry place. Keep container closed when not in use.

SECTION – 8 EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering controls	Facilities storing or utilizing this material should be equipped with an eye wash facility and safety shower. Use adequate ventilation to keep airborne concentrations low.
Exposure Limits	Not available.

Personal protective equipment

Eyes	Wear chemical safety goggles.
Skin	Wear appropriate protective gloves to prevent skin exposure.
Clothing	Wear appropriate protective clothing to prevent skin exposure.
Respirators	Wear appropriate respirators where necessary.

SECTION – 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Powder
Appearance	Off-white
Odor	Not available
PH	Not available
Vapor pressure	Not available
Viscosity	Not available
Boiling point	Not available
Freezing / melting point	124 - 127°C
Flash Point	Not available
Decomposition temp.	Not available
Autoignition temp.	Not available
Solubility in water	Insoluble
Specific gravity/density	--
Molecular Formula	C ₈ H ₈ N ₄
Molecular Weight	160

SECTION – 10 STABILITY AND REACTIVITY

Chemical stability	Stable under normal temperature and pressures.
Conditions to avoid	Incompatible materials.
Incompatible with other materials	Strong oxidizing agents, strong acids, acid chlorides, acid anhydrides.
Hazardous decomposition products	Nitrogen oxides, carbon monoxide, carbon dioxide, irritating and toxic fumes or gases, nitrogen.
Hazardous polymerisation	Not available.

SECTION – 11 TOXICOLOGICAL INFORMATION

RTECS #	CAS No # 18489-25-3: Not available.
LD50/LC50	Not available.
Carcinogenicity	Not available.

SECTION – 12 ECOLOGICAL INFORMATION

Not available

SECTION – 13 DISPOSABLE CONSIDERATION

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

SECTION – 14 TRANSPORT INFORMATION

	IATA	IMO	RID/ADR
Shipping Name	Not available	Not available	Not available
Hazard Class	--	--	--
UN Number	--	--	--
Packing group	--	--	--

SECTION – 15 REGULATORY INFORMATION

European / International Regulations:-

European Labelling in Accordance with EC Directives

Hazard Symbols :

Risk Phrases :

Safety Phrases :

S16 Keep away from sources of ignition – No smoking.

S 36 / 37 / 39 Wear suitable protective clothing, gloves and eye / face protection.

WGK (Water Danger/Protection)

CAS# 18489-25-3 : Not available.

Canada

US FEDERAL

TSCA : CAS# 18489-25-3 : Not available.

SECTION – 16 ADDITIONAL INFORMATION

The above information is believed to be accurate and represents the best information currently available with us. 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 of such damages.