

**MATERIAL SAFETY DATA SHEET**  
**PHENYL- $\alpha$ -(2-PYRIDYL) ACETONITRILE**

**SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**MSDS Name : PHENYL- $\alpha$ -(2-PYRIDYL) ACETONITRILE**

Synonyms : Phenyl pyridyl acetonitrile ; 2-Pyridyl benzylcyanide

Company Identification:

Alkali Metals Ltd.,

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**SECTION – 2 COMPOSITION, INFORMATION ON INGREDIENTS**

CAS No.	Chemical Name
5005-36-7	Phenyl- $\alpha$ -(2-pyridyl) acetonitrile

Hazard Symbols : X<sub>n</sub>

Risk Phrases : 22

**SECTION – 3 HAZARDS IDENTIFICATION**

**Emergency overview**

Harmful if swallowed

**Potential Health Effects**

Eyes May cause eye irritation.

Skin May cause skin irritation.

Ingestion May cause irritation of the digestive tract. Harmful if swallowed.

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 used. Store in a tightly closed container.

## 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	Crystalline powder
Appearance	Off-white to brown
Odor	Not available
PH	Not available
Vapor pressure	Not available
Viscosity	Not available
Boiling point	Not available
Freezing / melting point	85 – 87 °C
Flash Point	Not available
Decomposition temp.	Not available
Autoignition temp.	Not available
Solubility in water	Insoluble
Specific gravity/density	--
Molecular Formula	C <sub>13</sub> H <sub>10</sub> N <sub>2</sub>
Molecular Weight	194.23

## 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.
Hazardous decomposition products	Nitrogen oxides.
Hazardous polymerisation	Not available.

**SECTION – 11 TOXICOLOGICAL INFORMATION**

RTECS # CAS No # 5005-36-7 : 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** : X<sub>n</sub>

**Risk Phrases** :  
R 22 Harmful if swallowed.

**Safety Phrases** :  
S 13 Keep away from food, drink and animal foodstuffs.

**WGK (Water Danger/Protection)**

CAS# 5005-36-7 : Not available.

**Canada**

**US FEDERAL**

TSCA : CAS# 5005-36-7 : Not available.

**SECTION – 16 ADDITIONAL INFORMATION**

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