

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT & MANUFACTURER'S DETAILS	
PRODUCT NAME : 2-Cyano-6-methylpyridine	
MANUFACTURER	
FACTORY & REGISTERED OFFICE: Jubilant Organosys Limited, Bhartiagram, Gajraula District: Jyotiba Phuley Nagar Uttar Pradesh-244223 , India PHONE NO: +91-5924-252353 unto 252360 Contact Department-Safety: Extension 7424 FAX NO : 91-5924-252352 EMERGENCY PHONE: +91-9997022412	HEAD OFFICE: Jubilant Organosys Limited Plot 1-A, Sector 16-A, Institutional Area, Noida, Uttar Pradesh-201301 India. PHONE NO: +91-120-2516601 Contact department: EHS FAX NO : +91-120-2516629 Email: support@jubl.com

2. CHEMICAL IDENTIFICATION	
CHEMICAL NAME	: 2-Cyano-6-methylpyridine
SYSTEMATIC NAME	: 6-Methylpyridine-2-carbonitrile
CHEMICAL CLASSIFICATION	: Pyridine derivative
	De : 6-Methylpyridin-2-carbonitril
	Es : 6-metilpiridina-2-carbonitrilo
	Fr : 6-méthylpyridine-2-carbonitrile
CHEMICAL FORMULA	: C ₇ H ₆ N ₂
C.A.S. NO	: 1620-75-3
EINECS	: 216-588-9

3. HAZARD IDENTIFICATION & HEALTH HAZARD
Overview: The toxicological and environmental properties of this chemical have not been fully investigated. Use appropriate procedures and precautions to minimize exposure.
Classification: Xn R22. Harmful if swallowed.
Human Health Effects: Eye : No data. Skin : No data. Ingestion : May be harmful if swallowed. Inhalation : No data.
Environmental: No data

4. **FIRST AID MEASURES**

Ingestion: If swallowed do NOT induce vomiting. Seek medical attention.. Never give anything by mouth to an unconscious person. Give water to rinse out mouth if the person is fully conscious and attentive.

Eyes Contact: If material enters the eyes wash immediately with plenty of water for at least 15 minutes. Remove contact lenses if easy to do so. Seek medical help if irritation persists.

Inhalation: Remove the person from the area and into fresh air. If the person is having difficulty breathing give oxygen. If the person is not conscious give artificial respiration. Seek prompt medical attention. Seek medical attention in case of any irritation.

Skin Contact: In case of contact immediately wash with plenty of water. If any irritation arises call medical services.

Notes to physician: Treat symptomatically and supportively.

5. **FIRE FIGHTING MEASURES**

Flash Point: >100°C; Melting point: 70-74°C. This chemical is not considered combustible but will burn in a fire like any organic chemical.

Extinguishing media: Water spray, dry chemical powder, carbon dioxide or appropriate foam. Avoid using direct water in a chemical fire.

Special fire fighting procedures:

- Wear full protective gear and Self Contained Breathing Apparatus. in the fire area.
- Prevent run-off of fire water. In case of any event inform public authorities as appropriate.

Unusual fire and explosion hazard: In fire conditions toxic and irritating fumes of carbon monoxide, carbon dioxide, partially burnt organic chemicals, hydrogen cyanide and nitrogen oxides may be released.

6. **ACCIDENTAL RELEASE MEASURES**

• **General Information:** Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves.

• **Spills/Leaks:** Vacuum or sweep up material and place into a suitable disposal container.

7. **HANDLING AND STORAGE**

- **Handling:** Avoid contact with skin and eyes. Do not breathe dust. Use in a chemical fumehood or under local mechanical exhaust.
- **Storage:** Store in cool, dry place. Store in tightly closed containers.

8. **EXPOSURE CONTROLS/PERSONAL PROTECTION**

• **Exposure controls:** Use adequate local mechanical ventilation, process enclosures or other engineering controls to keep airborne concentration as low as possible. Facilities using this chemical will be equipped with emergency showers and eye-bath.

• **Personal Protection:**

Eyes: Protective glasses or splash goggles as per 29CFR1910.13 or EN 166 or equivalent.

Skin: wear suitable protective clothing to avoid contact with skin.

Respirator: Follow the OSHA respirator regulations found in 29CFR 1910.134 or European

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator, when a respirator is deemed necessary.

Exposure Limits: There are no known exposure limits for this chemical by ACGIH, NIOSH or OSHA Final PELs.

9. PHYSICOCHEMICAL PROPERTIES & FIRE/ EXPLOSION HAZARD DATA

PHYSICAL STATE	: Solid
APPEARANCE	White powder
ODOUR	: Data not available
BOILING POINT	: 135–136°C/38 mm
MELTING POINT	: 70–74°C
Log Kow	: 0.84
FLASH POINT	: Data not available
VAPOUR PRESSURE	: Data not available
SPECIFIC GRAVITY (WATER=1)	: Data not available
VAPOR DENSITY (AIR=1)	: Data not available
SOLUBILITY IN WATER	: Soluble
pH (2% aq. Suspension)	: Data not available
FLAMMABILITY	: Data not available
LEL	: Data not available
UEL	: Data not available
MOLECULAR WEIGHT	118.18

10. STABILITY AND REACTIVITY

- **Chemical stability:** Stable under normal temperature and pressure.
- **Condition to avoid :** Incompatible materials
- **Incompatible materials:** Strong oxidising agents, acids, acid chlorides, acid anhydrides.
- **Hazardous decomposition products** – Toxic fumes and irritating of nitrogen oxide, carbon monoxide , carbon-dioxide and possibly hydrogen cyanide may be released in fire conditions.
- **Hazardous Polymerization:** Not reported or envisaged

11. TOXICOLOGICAL INFORMATION

ACUTE EFFECTS:

- May be harmful if swallowed. This is an unlikely event in an industrial and scientific setting. Listed as 2-Pyridinecarbonitrile, 6-methyl- in the Advisory List of Denmark and given on insilico classification basis a listing of Xn; R22; that may be considered in absence of animal data. (Ref.: www.mst.dk)

CHRONIC EFFECTS: Data not available

TOXICITY:

RTECS#: Not listed
 ORL RAT LD₅₀ : No data available
 DERMAL LD₅₀ : No data available
 INHALATION LD₅₀ : No data available

11. **TOXICOLOGICAL INFORMATION**

CARCINOGENICITY, MUTAGENICITY AND REPRODUCTIVE TOXICITY

- Not listed by: NTP, IARC, OSHA or any other agency
- No data available

12. **ECOLOGICAL INFORMATION**

- No data available
- Do not dispose of this material into environmental bodies especially aquatic bodies.

13. **DISPOSAL CONSIDERATION**

- Dispose of this material in accordance with local and federal laws applicable.
- Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber

14. **TRANSPORT INFORMATION**

Not regulated as a hazardous material under IMO/ICAO/ADR/RID.

15. **REGULATORY INFORMATION**

European Information: EC#216-588-9

Pictogram: Xn

Risk Phrases

- R22 Harmful if swallowed.

Safety Phrases

- S-36 Wear suitable protective clothing.

US information CAS #1620-75-3

- Not listed on the TSCA Inventory. May be used for research purpose.

Canadian Information

CAS number 1620-75-3 is not found on the DSL or NDSL

16. **OTHER INFORMATION**

Information contained in this MSDS is believed to be correct but no representation, guarantee or warranties of any kind are made as to its accuracy, suitability for a particular application or results to be obtained from them. This MSDS shall be used as a guide only. JUBILANT ORGANOSYS LIMITED makes no warranties expressed or implied of the adequacy of this document for any particular purpose.

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