

Isoeicosane

Material Safety Data Sheet (MSDS)

1. Product Identification

Product Name: Isoeicosane
INCI Name: Permethyl 102A
Chemistry: Hydrocarbons, C4, 1,3-butadiene-free, polymd, pentaiso-butylene fraction, hydrogenated
CAS Number: 93685-79-1
EINECS Number: 297-627-7

2. Physical & Chemical Properties

Melting Point: -49C
Boiling Point: 275 to 335 C
Non-Volatiles: not determined
Viscosity: Dynamic: 0 Pa-S (20.2 cP)
Specific Gravity: 830 kg/m³ (0.8 g/cm³) at 20 C
Solubility in water: negligible <0.1 g/l at 20 C
Refractive Index: not determined
Appearance & Odor: liquid, clear, colorless, odorless

3. Stability & Reactivity

Conditions to Avoid: Keep away from heat, sparks and flame
Incompatibility: Reactive with oxidizing agents
Thermal Decomposition: not measured
Hazardous Polymerisation: will not occur

4. Handling & Storage

Handling: Keep away from heat, sparks and flame. Keep container closed. Use only with adequate ventilation. To avoid fire or explosion, dissipate static electricity during transfer by earthing and bonding containers and equipment before transferring material. Use explosion proof electrical (ventilating, lighting, and material handling) equipment. Wash thoroughly after handling.
Storage: Keep container in a cool, well ventilated area. Avoid all possible sources of ignition (spark or flame).

5. Accidental Release Measures

Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment. If emergency personnel are unavailable, contain spilled material. For small spills add absorbent (soil may be used in the absence of other suitable materials) and use a non-sparking or explosion proof means to transfer material to a sealed, appropriate container for disposal. For large spills dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Minimize contact of spilled material with soils to prevent runoff to surface waterways. Wear suitable protective clothing and gloves. Suggested protective clothing might not be sufficient; consult a specialist before handling this product.

6. Exposure Controls & Personal Protection

Respiratory Protection: None required, use of adequate ventilation is good industrial practice.
Protective Clothing: Avoid prolonged or repeated contact with the skin. Wear suitable protective clothing. Wear gloves that cannot be penetrated by chemicals or oil. Nitrile gloves (0.35 mm). Breakthrough time: 8 hours.
Other Protective Measures: Local exhaust ventilation should be provided. Ensure that eyewash stations and safety showers are close to the workstation site. Wash hands, forearms, and face thoroughly after handling compounds and before eating, smoking, using the lavatory or at the end of the day.

7. Hazards Identification

General: No significant health hazards identified.
Inhalation: No significant health hazards identified.

Eye Contact: No significant health hazards identified.
Skin Contact: No significant health hazards identified.
Ingestion: Ingestion may cause gastrointestinal irritation and diarrhea.
Primary Route of Entry: none specified

8. First Aid Measures

Eyes: Immediately flush eyes with a copious amount of water for at least 15 minutes. Seek medical attention if irritation occurs.
Skin: Immediately flush skin with plenty of water.
Inhalation: Remove to fresh air. Get medical attention if symptoms appear.
Ingestion: Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, seek medical attention immediately.

9. Fire Fighting Measures

Flash Point: 130 C (closed cup)
Extinguishing Media: In case of fire, use water, fog, foam, dry chemical or Co₂ extinguisher or spray.
Fire Fighting Procedures: This material is combustible/flamable and is sensitive to fire, heat and static discharge. This material is not explosive as defined by established regulatory criteria. Fire fighters should wear self-contained positive pressure breathing apparatus (SCBA) and full turnout gear. Fire fighters protective clothing will provide limited protection.

10. Toxicological Information

General: No component of this product at levels greater than or equal to 0.1% is identified as carcinogenic, mutagenic, reproductive toxin or teratogenic or embryotoxic.
Acute oral LD50: >5000 mg/kg, oral, rat

11. Disposal Consideration

Avoid contact of spilled material and runoff with soil and surface waterways. Consult an environmental professional to determine if state or federal regulations would classify spilled or contaminated materials as hazardous waste. Use only approved transporters, recyclers, treatment, storage or disposal facilities. Comply with all local, regional and national laws pertaining to waste management.

12. Transport Information

DOT Shipping Name: Not classified as hazardous.
ADR/RIC Code: Not classified as hazardous.
Sea Transport IMDG Code: Not classified as hazardous.
Air Transport IATA: Not classified as hazardous.

13. Regulatory Information

Risk phrases: This product is not classified according to the EU regulations.
EU Regulations: Classification and labeling have been performed according to EU directives 1999/45/EC and 67/548/EEC as amended and adapted.
Other regulations: Australian, Canada, China, EC, Japan, Korea, Philippine and U.S. inventories: Listed on inventory.

13. Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable