

GELMAKER-EMU

Material Safety Data Sheet (MSDS)

1. PRODUCT IDENTIFICATION

Product Name: Gelmaker EMU
 INCI Name: not available
 Chemical Name: 2,2,4,4,6,8,8-heptamethyloxane
 CAS Number: 4390-04-9
 EINECS Number: 224-506-8

2. PHYSICAL & CHEMICAL PROPERTIES

Boiling / Melting Point: > 100°C / 0°C
 Specific Gravity, H₂O= 1: not available
 Vapor Pressure, mmHg: not available
 Density: 1100-1116 kg/m³ (20-30°C)
 Viscosity: 2% sol.: 55000-80000 mPa.s
 100% sol.: 1000-4500 mPa.s
 pH Value: 5-7 (2 % solution in water)
 Solubility in Water: fully miscible in water
 Appearance: cloudy liquid, light odor

3. STABILITY & REACTIVITY

General: stable and hazardous polymerization will not occur
 Incompatible Materials to Avoid: Strong oxidizing agents
 Hazardous Decomposition Products: Combustion produces carbon monoxide and carbon dioxide

4. HANDLING & STORAGE

Store in closed containers at a cool place protected from humidity. Keep away from oxidizing agents, excessive heat, and frost. Store and use in well ventilated areas. Do not store or use near heat, spark, or flamer; also store out of sun. Do not puncture, drag, or slide this container. Drum is not pressure vessel; never use pressure to empty.

5. ACCIDENTAL RELEASE MEASURES

Spill Clean-up Procedures: Remove sources of ignition, contain spill to smallest area possible. Stop leak if possible. Pick up small spills with absorbent materials such as paper towels. "Oil dry", sand or dirt. Recover large spills for salvage or disposal. Wash hard surfaces with safety solvent or detergent to remove remaining oil film. Greasy nature will result in a slippery surface.

6. EXPOSURE CONTROLS & PERSONAL PROTECTION

Respiratory Protection: If vapors or mists are generated, wear a NIOSH approved organic vapor/mist respirator.
 Protective Clothing: Safety glasses, goggles, or face shield recommended to protect eyes from mists or splashing. PVC coated gloves recommended to prevent skin contact.
 Other Protective Measures: Employees must practice good personal hygiene, washing exposed areas of skin several times daily and laundering contaminated clothing before re-use.

7. HAZARDS IDENTIFICATION

Inhalation: No specific hazards known. Supply fresh air.

Eye Contact: May cause irritation. Irrigate eye with water for at least 15 to 20 minutes.
 Skin Contact: May be irritating to skin.
 Ingestion: No specific hazards known.

8. FIRST AID MEASURES

Eyes: Irrigate eyes with a heavy stream of water for at least 15 to 20 minutes. Seek medical attention if symptoms persist.
 Skin: Wash exposed areas of the body with soap and water. Seek medical attention if symptoms persist.
 Inhalation: Remove from area of exposure. Seek medical attention if symptoms persist.
 Ingestion: If gastrointestinal symptoms develop, consult medical personnel. Never give anything to mouth to an unconscious person.

9. FIRE FIGHTING MEASURES

Flash Point: > 100°C
 Self-Igniting, Explosion Hazard: not self-igniting or explosive
 Extinguishing Media: Dry chemical, foam, halon, CO₂, water spray. Fight larger fires with water spray or alcohol resistant foam.
 Special Fire Fighting Procedures: Use water spray to cool endangered receptacles. Water must not enter sewage system.
 Unusual Fire & Explosion Hazards: Firefighters should use self-contained breathing apparatus to avoid exposure to smoke and vapor.

10. REGULATORY INFORMATION

EU Guidelines Labelling: Code letter and hazard designation of product: Xi irritant. Risk phrases: R38, irritating to skin

11. DISPOSAL CONSIDERATIONS

Storage and disposal must be in accordance with applicable local, state & federal disposal regulations. Characterization and compliance with applicable laws are the responsibility solely of the generator.

12. TRANSPORT INFORMATION

Land Transport ADR/ RID: not regulated
 Maritime Transport: not regulated
 Air Transport ICAO-TI and IATA-DGR: not regulated

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 as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.

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