

LECI TH I N

Material Safety Data Sheet (MSDS)

1. PRODUCT IDENTIFICATION

Product Name: lecithin
Synonymes, composition: lectithol, combination of diglycerides of fatty acids linked to the choline ester of phosphoric acid
CAS Number: 8002-43-5
EINECS Number: 232-307-2
Source: soybeans

2. PHYSICAL & CHEMICAL PROPERTIES

Melting Point: 236°C (457°F)
Specific Gravity, H₂O= 1: 1.03
Vapor Density: not available
Vapor Pressure: negligible
Viscosity: not available
pH Value: 6.6
Solubility: soluble in oils & partly in alcohol
Appearance & Odor: amber brown liquid, nutty odor

3. STABILITY & REACTIVITY

General: oxidizes when exposed to air
Incompatible Materials & Conditions to Avoid: Strong oxidizing agents
Hazardous Decomposition Products: carbon monoxide, oxides of nitrogen, oxides of phosphorus, carbon dioxide

4. HANDLING & STORAGE

Store in closed containers between 50°F and 120°F protected from humidity. Keep away from oxidizing agents, excessive heat, and ignition sources. 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

Isolate spill or leak area immediately. Keep unauthorized personnel away. Ventilate closed spaces before entering. Do not touch or walk through spilled material. Prevent entry into waterways, sewers, basements or confined areas. Surface may become slippery after spillage. Use vacuum or broom sweeping and remove to disposal container. If damp, flush with water.

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 information available.
Skin Contact: No information available
Ingestion: No information available.

Eye Contact: May cause transient irritation. Irrigate eye with water for at least 15 to 20 minutes. Seek medical attention if symptoms persist.
Chronic Exposure: no data available

8. FIRST AID MEASURES

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

9. FIRE FIGHTING MEASURES

Flash Point: not determined
Flammability Limits: None known
Extinguishing Media: Dry chemical, foam, halon, CO₂, water spray (fog). Water stream may splash burning liquid and spread fire.
Special Fire Fighting Procedures: Use water spray to cool drums exposed to fire.
Unusual Fire & Explosion Hazards: Firefighters should use self-contained breathing apparatus to avoid exposure to smoke & vapor.

10. TOXICOLOGICAL INFORMATION

LD50/ LC50: not available
Carcinogenicity: not listed by ACGIH, IARC, NIOSH, NTP or OSHA
Mutagenicity, Teratogenicity: no information available

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

DOT Shipping Name / Hazard Class: Not Restricted
ADR/ RIC Code / Hazard Class: Not Restricted
Sea Transport IMDG Code / Hazard Class: Not Restricted
Air Transport IATA Code / Hazard Class: Not Restricted

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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