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## MATERIAL SAFETY DATA SHEET

### PRODUCT : SUNFLOWER LECITHIN LIQUID

#### Identity

Trade name : Mixed phosphatides with 30% to 50% oil  
Chemical name : Sunflower Phospholipids  
(Phosphatides) Chemical family : Phospholipids  
(lecithin)  
Cas No. : 8002-43-5

#### 1. Manufacturer's name and address

Shiva Biochem Industries  
Survey No. 23/1, Part B Walki  
Taluka : Nandgaon Khandeshwar, Amravati 444708, Maharashtra, INDIA

#### 2. Composition and Information on Ingredients

Sunflower Lecithin CAS No. : 8002-43-5 % By weight : 100 %

#### 3. Hazardous Ingredients/Identity Information

This Product is Non Hazardous.

Hazardous Components

Pigments – N/A

Catalyst – N/A

Vehicle – N/A

Solvents – None

Additives – None

Base Metal – N/A

Alloys – N/A

Metallic Coatings – N/A

Filler Metal Plus Coating or Core Flux – N/A

#### 4. First Aid Measure

Eye Contact : Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes.

WARM water MUST be used. Get medical attention if irritation occurs.

Skin Contact : Wash with soap and water. Cover the irritated skin with an emollient

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SHIVA BIOCHEM INDUSTRIES

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Get medical attention if irritation develops.

Inhalation : If inhaled, remove to fresh air.

Serious Inhalation : Not available.

Ingestion : Do NOT induce vomiting unless directed to do so by medical personnel.

Serious Ingestion : Not available.

## 5. Fire and Explosion Hazard Data

Flash point : 350 Degree Celsius

Flammable limits : N/A

Extinguishing media : Dry chemical, Foam, Carbon dioxide, Sand

Special fire fighting procedures : None

## 6. Accidental Release Measure

### Small Spill:

Use appropriate tools to put the spilled solid in a convenient waste disposal container.

Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

### Large Spill:

Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

## 7. Precautions for Safe Handling and Storage

Steps to be taken in case material is released or spilled.

Waste disposal method : Material is bio-degradable, may be disposed of in approved sanitary landfill or as approved for other food materials.

Precautions to be taken in handling and storing: No Specific precautions

Other precautions : If overheated, remove source of heat.

Storage :Keep container tightly closed. Keep container in a cool, well-ventilated area

## 8. Exposure Control Measures / Personal Protection

Respiratory protection (specify type) : N/A

Local Exhaust : Not required

Mechanical (general) : None

Protective Gloves : Not required.

Eye protection : Not required.

Other protective clothing or equipment : None required.

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Biochem Industries

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## 9. Physical/Chemical Characteristics

Appearance and odor – Amber yellowish powdery material, slight odor typical of soy oil

Specific Gravity (H<sub>2</sub>O = 1): 0.55

Boiling point – N/A

Vapor pressure (mm Hg.) – N/A

Vapor density (AIR = 1) – N/A

Solubility in water – Dispersible

## 10. Stability and Reactivity Data

Stability : Stable

Conditions to avoid : Direct Heating

Hazardous decomposition or byproducts : None

Hazardous polymerization : Will not occur

## 11. Toxicological Information

Oral rat LD : >10000 mg/kg

Intraperitoneal Rat LD 50 : 7600 mg/kg

Subcutaneous Rat LD 50 : 8800 mg/kg

Intravenous Rat LD 50 : 2260 mg/kg

Oral mouse LD 50 : >10000 mg/kg

Intraperitoneal Mouse LD 50 : 4900 mg/kg

Intravenous Dog LD 50 : > 6 mg/kg

Intravenous MOnkey LD 50 : > 4 mg/kg

Only selected registry of toxic effects of chemical substances (RTECS) data is presented here. See actual entry in trees for complete information.

## 12. Ecological Information

Ecotoxicity: Not available.

BOD and COD: Not available.

Products of Biodegradation: Hazardous short term degradation products are not likely.

Toxicity of the Products of Biodegradation: Not available.

Special Remarks on the Products of Biodegradation: Not available

## 13: Disposal Considerations

Waste Disposal: Waste must be disposed of in accordance with federal, state and local

## 14. Transport Information

DOT Classification: Not a DOT controlled material.

**Identification: Non-Hazardous for any kind of Transportation**

Special Provisions for Transport: Not applicable.

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## 15. Other Regulatory Information

According to the EC- Directions 96/97 EC, Lecithin (No. E 322) is as generally permitted Additive for the use in food and feeds. Lecithin is a GRAS additive approved in USA.

Federal and State Regulations: TSCA 8(b) inventory: Lecithin

Other Regulations: EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada): Not controlled under WHMIS (Canada)

DSCL (EEC):

This product is not classified according to the EU regulations.

Not applicable.

HMIS (U.S.A.):

Health Hazard: 1

Fire Hazard: 1

Reactivity: 0

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 1

Flammability: 1

Reactivity: 0

Specific hazard:

Protective Equipment:

Gloves, Lab coat, Dust respirator (Be sure to use an approved/certified respirator or equivalent.), Safety glasses.

## 16. Other Information

References: Not available.

Other Special Considerations: Not available.

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