Material Safety Data Sheet
Lecithin

MSDS# 12775

Section 1 - Chemical Product and Company Identification

MSDS Name: Lecithin
Catalog Numbers: O3376-250
Synonyms: Lectithol; Phosphatidylcholine.

Company Identification:
Fisher Scientific
One Reagent Lane
Fair Lawn, NJ 07410

For information in the US, call:
201-796-7100
Emergency Number US:
201-796-7100
CHEMTREC Phone Number, US:
800-424-9300

Section 2 - Composition, Information on Ingredients

CAS#: 8002-43-5
Chemical Name: SOYBEAN LECITHIN
%: >99
EINECS#: 232-307-2

Hazard Symbols: None listed
Risk Phrases: None listed

Section 3 - Hazards Identification

EMERGENCY OVERVIEW
Caution! This is expected to be a low hazard for usual industrial handling. May cause eye irritation and transient injury.
Target Organs: None.

Potential Health Effects
Eye: Contact may cause transient eye irritation.
Skin: No information reported.
Ingestion: Low hazard for usual industrial handling.
Inhalation: No information available.
Chronic: No information found.

Section 4 - First Aid Measures

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.
Skin: Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists.
Ingestion: If victim is conscious and alert, give 2-4 cupfuls of milk or water. Get medical aid.
Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.

Notes to Physician:

Section 5 - Fire Fighting Measures

General Information:
As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH approved or equivalent), and full protective gear. Combustion generates toxic fumes.

Extinguishing: For small fires, use water spray, dry chemical, carbon dioxide or chemical foam.
Media:

- Autoignition Temperature: Not available.
- Flash Point: Not available
- Explosion Limits:
  - Lower: Not available
  - Upper: Not available
- NFPA Rating: health: 1; flammability: 0; instability: 0;

Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container.

Section 7 - Handling and Storage

Handling: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Avoid contact with skin and eyes. Keep container tightly closed. Avoid ingestion and inhalation. Avoid contact with air and sunlight.

Storage: Do not store in direct sunlight. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Storage temperatures should not exceed 75°F.

Section 8 - Exposure Controls, Personal Protection

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH</th>
<th>NIOSH</th>
<th>OSHA - Final PELs</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOYBEAN LECITHIN</td>
<td>none listed</td>
<td>none listed</td>
<td>none listed</td>
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</tbody>
</table>

OSHA Vacated PELs: SOYBEAN LECITHIN: None listed

Engineering Controls: Use adequate ventilation to keep airborne concentrations low.

Exposure Limits

Personal Protective Equipment

- Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
- Skin: Wear appropriate gloves to prevent skin exposure.
- Clothing: Wear appropriate protective clothing to prevent skin exposure.
- Respirators: NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9 - Physical and Chemical Properties

- Physical State: Solid
- Color: yellow to light brown
- Odor: nutty odor - weak odor
- pH: 6.6
- Vapor Pressure: Negligible.
- Vapor Density: Not available
- Evaporation Rate: Negligible.
- Viscosity: Not available
- Boiling Point: Not available
- Freezing/Melting Point: 236.1 deg C (456.98°F)
- Decomposition Temperature: Not available
- Solubility in water: Insoluble in water.
- Specific Gravity/Density: 1.03 (water=1)
- Molecular Formula: Not applicable.
Molecular Weight: 677.92

Section 10 - Stability and Reactivity

Chemical Stability: Oxidizes when exposed to air.
Conditions to Avoid: Incompatible materials.
Incompatibilities with Other Materials Not available
Hazardous Decomposition Products Carbon monoxide, oxides of nitrogen, oxides of phosphorus, carbon dioxide.
Hazardous Polymerization Has not been reported.

RTECS#: CAS# 8002-43-5: OG7565000
LD50/LC50: RTECS: Not available.
Carcinogenicity: SOYBEAN LECITHIN - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.
Other: See actual entry in RTECS for complete information.

Section 11 - Toxicological Information

Other: No information available.

Section 12 - Ecological Information

Other: No information available.

Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

Section 14 - Transport Information

US DOT
Shipping Name: Not regulated as a hazardous material
Hazard Class:
UN Number:
Packing Group:
Canada TDG
Shipping Name: Not available
Hazard Class:
UN Number:
Packing Group:

Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: Not available
Risk Phrases:
Safety Phrases:

WGK (Water Danger/Protection)
CAS# 8002-43-5: 0

Canada
CAS# 8002-43-5 is listed on Canada's DSL List
Canadian WHMIS Classifications: Not controlled.
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.
CAS# 8002-43-5 is not listed on Canada's Ingredient Disclosure List.

US Federal
TSCA
CAS# 8002-43-5 is listed on the TSCA Inventory.

Section 16 - Other Information
MSDS Creation Date: 5/05/1998

Reviewed
2012.10.09
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The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantibility or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.

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