



Product Information (203) 740-3471 / Emergency Assistance CHEMTREC 1-800-424-9300

**MATERIAL SAFETY DATA SHEETS**

**SECTION I**

**PRODUCT AND COMPANY IDENTIFICATION**

**Product: Lecithin**

**This MSDS is valid for all grades and catalog #'s**

Synonyms: Soybean Lecithin; Soy Lecithin; Soya Lecithin;  
L-a-Phosphatidylcholine; Phosphatidylcholine;  
Phospholutein

Formula: Not available.

Manufacturer: PHARMCO-AAPER  
58 Vale Road  
Brookfield, Connecticut 06804, USA  
Phone (203) 740-3471  
Fax (203) 740-3481

1101 Isaac Shelby Drive  
Shelbyville, KY 40065  
Phone (502) 633-0650  
Fax (502) 633-0685

Emergency Contact:  
CHEMTREC 1-800-424-9300

**SECTION II**

**COMPOSITION /INFORMATION ON INGREDIENTS**

% by Material CAS # TLV/PE LC50/LD50  
weight L

% by weight	Material	CAS #	TLV/PE L	LC50/LD50
100	Lecithin	8002-43-5	Not available	Not available

**SECTION III**

**HAZARDS IDENTIFICATION**

**Potential Acute Health Effects:** Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.

**Potential Chronic Health Effects:**

CARCINOGENIC EFFECTS: Not available.

MUTAGENIC EFFECTS: Not available.

TERATOGENIC EFFECTS: Not available.

DEVELOPMENTAL TOXICITY: Not available.

Repeated or prolonged exposure is not known to aggravate medical condition.

**SECTION IV**

**FIRST AID**

Obtain medical attention for all cases of over-exposure.

**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. Get medical attention if irritation develops.

**Hazardous Skin Contact:** Not available.

**Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**Hazardous Inhalation:** Not available.

**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, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

**Hazardous Ingestion:** Not available.

**SECTION V**

**FIRE FIGHTING MEASURES**

**Fire:**

Flammability of the Product: May be combustible at high temperature.

Auto-Ignition temperature: Not available.

Flash point: Not available.

Flammable limits: Not available.

Products of Combustion: Not available.

**Fire Hazards:** Slightly flammable to flammable in presence of heat.

**Explosion Hazards:** Risks of explosion of the product in presence of mechanical impact: Not available. Slightly explosive in presence of open flames and sparks.

**Fire Extinguishing Media:** SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

**Special Information:** As with most organic solids, fire is possible at elevated temperatures. Fine dust dispersed in air in sufficient concentrations, and in the presences of an ignition source is a potential dust explosion hazard.

**SECTION VI**

**SPILL/ACCIDENTAL RELEASE MEASURES**

**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.

**SECTION VII**

**HANDLING AND STORAGE**

**Precautions:** Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not breathe dust. Keep away from incompatibles such as oxidizing agents.  
**Storage:** Keep container tightly closed. Keep container in a cool, well-ventilated area. To avoid lipid oxidation, store at ambient temperatures between 15 and 25 deg. C. Do not store above 25°C (77°F). Air Sensitive.

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**SECTION VIII  
EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Engineering Controls:** Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.  
**Personal Protection:** Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.  
**Personal Protection in Case of a Large Spill:** Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.  
**Exposure Limits:** Not available.

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**SECTION IX  
PHYSICAL AND CHEMICAL PROPERTIES**

**Physical State/Appearance:** Solid. (Granular solid.)  
**Molecular Weight:** Not available.  
**Odor:** Neutral  
**Taste:** Not available.  
**Color:** Golden to light tan. The color is nearly white when freshly made, but rapidly becomes yellowish to brownish in air.  
**pH (1% Solution in Water):** 6.8 [Neutral.]  
**Boiling Point:** Not available.  
**Melting Point:** Not available.  
**Critical Temperature:** Not available.  
**Specific Gravity:** Density: 1.0305 @ 24 deg. C (Water = 1)  
**Vapor Pressure (mm Hg):** Not applicable.  
**Vapor Density (Air=1):** Not available.  
**Volatility:** 1% (v/v).  
**Odor Threshold:** Not available.  
**Evaporation Rate:** Not available.  
**Viscosity:** Not available.  
**Water/Oil Dist. Coefficient:** Not available.  
**Ionicity (in water):** Not available.  
**Dispersion Properties:** Dispersed in cold water. See solubility in diethyl ether.  
**Solubility:** Soluble in diethyl ether. Insoluble in cold water, acetone. Soluble in about 12 parts of absolute alcohol. Soluble in chloroform, petroleum ether, mineral oil, fatty acids. Sparingly soluble in benzene. Insoluble in cold vegetable and animal oils.

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**SECTION X  
STABILITY/REACTIVITY INFORMATION**

**Stability:** The product is stable.  
**Instability Temperature:** Not available.  
**Conditions of Instability:** Excess heat, dust generation  
**Incompatibilities:** Reactive with oxidizing agents.  
**Corrosivity:** Non-corrosive in presence of glass.  
**Special Information:** Not available.

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**SECTION XI  
TOXICOLOGICAL INFORMATION**

**Routes of Entry:** Inhalation. Ingestion.  
**Toxicity to Animals:** LD50: Not available. LC50: Not available.  
**Chronic Effects on Humans:** Not available.  
**Other Toxic Effects on Humans:** Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.  
**Special Information on Toxicity to Animals:** Not available.  
**Special Information on Chronic Effects/Toxicity on Humans:** Potential Health Effects: No acute exposure studies were found for soya lecithin in humans. The dust is predicted to be irritating to the eyes, skin, and respiratory tract from mechanical action. Inhalation of lecithin aerosols may cause pulmonary edema. It may cause occupational asthma from pulmonary sensitization. Acute ingestion may affect the liver (fatty liver degeneration).

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**SECTION XII  
ECOLOGICAL INFORMATION**

**Ecotoxicity:** Not available.  
**BOD5 and COD:** Not available.  
**Products of Biodegradation:** Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.  
**Toxicity of the Products of Biodegradation:** Not available.  
**Special Information on Products of Biodegradation:** Not available.

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**SECTION XIII  
DISPOSAL CONSIDERATIONS**

**Waste Disposal:** Recycle to process, if possible. Consult your local or regional authorities.

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**SECTION XIV  
TRANSPORTATION INFORMATION**

**DOT Classification:** DOT Not a DOT controlled material (United States).  
**UN:** Not applicable.  
**Special Provisions for Transport:** Not applicable.

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**SECTION XV  
REGULATORY INFORMATION**

**Federal and State Regulations:** Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires emergency planning based on Threshold Planning Quantities (TPQs) and release reporting based on Reportable Quantities (RQs) in 40 CFR 355 (used for SARA 302, 304, 311 and 312). Components present in this product at a level which could require reporting under the statute are: **NONE**

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of annual report release of toxic chemicals that appear in 40 CFR 372 (used for SARA 313). This information must be included in all MSDSs that are copied and distributed for this material. Components present in this product at a level which could require reporting under the statute are: **NONE**

**Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA):** No chemicals in this material with known CAS numbers are subject to the reporting requirements of CERCLA.

**Other Classifications:**

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

DSCL (EEC): This product is not classified according to the EU regulations.

**Protective Equipment:** Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Safety glasses.

**References:** Not available.

**Other Special Considerations:** Not available.

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The information contained herein is based on data considered to be accurate based on the material as packaged. However, no warranty is expressed regarding the accuracy of these data or the results to be obtained from the use thereof. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this MSDS. It is the user's obligation to determine the conditions of safe use of the product. While this MSDS is based on technical data judged to be reliable, PHARMCO-AAPER assumes not responsibility for the completeness or accuracy of the information contained herein.