

ALCOLEC® Aquasperse A MATERIAL SAFETY DATA SHEET

1. Company Information

American Lecithin Company
 115 Hurley Road, Unit 2B
 Oxford, CT 06478
 Tel: 203-262-7100 Fax: 203-262-7101

2. Composition of Ingredients

Components	CAS#	% By Weight	PEL (OSHA)	TLV (ACGH)
Mixed Phospholipids	8002-43-5	>65%	15mg/m ³	10mg/m ³
Ethoxylated Monoglycerides	68153-76-4	<10%	ND	ND
Propylene Glycol	57-55-6	<10%	ND	10mg/m ³
Soybean Oil	8001-22-7	<25%	15mg/m ³	10mg/m ³

3. Hazards Identification

Health Hazards (Acute and Chronic): None Known

Potential Health Effects:

<u>Routes of Exposure</u>	<u>Symptoms</u>
Eye: Yes	Mild Eye Irritation
Skin: Yes	Mild Skin Irritation
Inhalation: Yes	May cause irritation to upper respiratory tract (nose & throat)
Ingestion: Yes	An allergic reaction may occur in some persons due to ingestion of or contact with soy products. ¹

¹Soy and related soy products are listed on the US FDA "8 Major Food Allergen List" and should be treated as a potential allergen. An allergic reaction may occur in some persons due to inhalation of or contact with soy products.

4. First Aid Measures

Eye: Flush with water
Skin: Wash with soap and water
Inhalation: Remove from exposure to fresh air immediately
Ingestion: Wash mouth out with water, induce vomiting, and drink plenty of water. If breathing difficulty occurs, seek medical attention.

Consult a physician if situation warrants.

5. Fire Fighting Measures

Flammable Properties

Flash Point: Not Applicable
Flammable Limits in Air:
 LEL (Lower Explosive Limit): Not Applicable
 UEL (Upper Explosive Limit): Not Applicable

Extinguishing Media: Dry Chemical or Foam. Water effective
Fire Fighting Instructions: Wear full protective clothing and NIOSH approved self-contained breathing apparatus.

6. Accidental Release Measures



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Accidental Materials Release or Spill: Absorb spilled material with inert substances and discard properly. Do not allow spillage into sewage system, surface water or ground water. Material will clog plumbing rapidly, especially in contact with cold water.

Waste Disposal Method: Material is biodegradable; dispose of material in approved sanitary landfill in accordance with the state and federal regulations. Material will clog plumbing rapidly, especially in contact with cold water.

7. Handling and Storage

Store in closed container. Product should be stored on pallets without contact with walls, ceiling and/or floor. Storage temperature should be between 16-32C/60-90F. Storage below 16C/60F may help promote separation and require the need for agitation prior to use. Storage area should be well ventilated.

8. Exposure Controls / Personal Protection

Engineering Controls:

Ventilation/Exhaust: Good general ventilation should be provided for misty conditions exceeding limits.

Personal Protective Equipment:

Eye/Face Protection: Safety goggles recommended
Skin Protection: Not normally required
Respiratory Protection: Dust/Mist type mask recommended

Exposure Guidelines: Misty conditions exceeding 15 mg/m³ (OSHA PEL), 10mg/m³ (ACGIV TLV)

9. Physical and Chemical Properties

Boiling point: Not applicable
Appearance & Odor: Amber-colored liquid, bland, bean or nutty odor.
Melting Point: Not Available
Solubility in water: Dispersible
Vapor Pressure: Not Applicable
Vapor Density (AIR = 1): Not Applicable
Specific Gravity (g/mL): 1.0
Evaporation Rate: Not Applicable

10. Stability and Reactivity

Stability: Stable under normal temperatures and pressures.
Conditions to Avoid: Storage below 16C/60F may help promote separation and require agitation prior to use.
Incompatibility with other Materials: Strong Oxidizing agents
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, oxides of nitrogen, oxides of phosphorous.
Hazardous Polymerization: Will not occur.

11. Toxicological Information

Testing has shown that this product is not a primary eye irritant.
Testing has shown that this product is not a primary skin irritant.
Testing has shown that this product is not toxic by the oral route administration.

12. Ecological Information

Neither the manufacturing process of soy lecithins nor the final products contain ozone-depleting chemicals. Soy lecithin products have been tested and were "not detected", free of dioxins (all isomers) using detection



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levels lower than 10 parts per trillion.

No elemental chlorine is used in the manufacturing of soy lecithin products.

No toxic heavy metals are used during the soy lecithin manufacturing process. The products do not exceed the toxic heavy metal levels specified in the CONEG legislation.

Typical phosphorous content is approximately 17,000 ppm, which could be oxygen depleting in aquatic environments.

13. Disposal Considerations

Dispose of as for any non-hazardous material. Comply with federal, state and local legislations.

14. Transport Information

Shipping Information-Not regulated as hazardous material by DOT.

15. Regulatory Information

All ingredients used in the manufacture of American Lecithin products are mixtures of ingredients listed and are certified for the following CFR Title 40: Protection of Environment Laws and Regulations:

-CERCLA Sections 102A/103 Hazardous substances (40 CFR Part 302.4): Below detection limits, not reportable.

-SARA Title III Section 302 Extremely hazardous substances (40 CFR Part 355): Substance not regulated.

-SARA Title III Sections 311/312 Hazardous Substances (40 CFR Part 370): Substance not regulated.

-SARA Title III Sections 313 (40 CFR Part 372): Substance not regulated.

-Toxic Substances Control Act (TSCA) inventory of chemical substances (40 CFR 710)

Listed under "Lecithin's CAS: 8002-43-5" and "hydroxylated lecithin's CAS: 8029-76-3"

American Lecithin Company's soy lecithin products are Generally Recognized as Safe (GRAS) by FDA as a multiple purpose good ingredient under 21 CFR 184.1400 and specifications of the Food Chemicals Codex. The FDA labeling is "soy lecithin".

Lecithins and Hydroxylated Lecithins are registered on the Domestic Substances List (DSL) in accordance with the Canadian Environment Protection Act (CEPA) under "Lecithin's CAS: 8002-43-5" and Hydroxylated Lecithin's "CAS:8029-76-3"

16. Other Information

Hazard Rating

Health:	0	0=None
Flammability:	1	1=Minimal
Reactivity:	0	2=Moderate
		3=Severe
		4=Extreme

Work/Hygienic Practices: Use good personal hygiene practices as necessary for food products.

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