

California Organic Fertilizers, Inc.™

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MATERIAL SAFETY DATA SHEET

Phytamin® Fish

SECTION I. IDENTIFICATION

Chemical Family: Organic Liquid Solution
Product Name and Synonyms: Liquid Fish Solubles
Formula: Proprietary
Trade Name and Synonyms: None
Description: Brown Liquid with a fish odor

SECTION II. PRODUCT AND COMPONENT HAZARD DATA

A. Components:	OSHA PEL/UNITS:	ACGIH/UNITS:
Fish Protein	N/A	N/A

SECTION III. PHYSICAL DATA

- <u>Appearance and Odor:</u> Thick brown liquid with fish odor	- <u>Boiling Point:</u> 220° F
- <u>Specific Gravity:</u> 1.12	- <u>Melting Point:</u> N/A
- <u>Evaporation Rate (Ethyl Ether = 1):</u> Unknown	- <u>pH:</u> 3.5

SECTION IV. FIRE AND EXPLOSION HAZARD DATA

- <u>Flash Point:</u> Unknown	- <u>Extinguishing Agent:</u> Use suitable agent for surrounding fire
- <u>Flammable Limits:</u> N/A	- <u>Special Fire-Fighting Procedures:</u> Approved self-contained breathing apparatus for fire fighters.
- <u>Unusual Fire and Explosion Hazards:</u> None	

SECTION V. REACTIVITY DATA

- <u>Stability:</u> Stable	- <u>Incompatibility:</u> Do not mix with alkalis
- <u>Hazardous Polymerization:</u> Will not occur	- <u>Conditions to Avoid:</u> pH higher than 5.0
- <u>Hazardous Decomposition Products:</u> Ammonia, hydrogen sulfide, methane, hydrogen gas	

SECTION VI. HEALTH HAZARD INFORMATION

- <u>Effects of Routine Use:</u> None known	- <u>Effects of Overexposure:</u> None known
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EMERGENCY AND FIRST AID PROCEDURES

- <u>Eye Contact:</u> Wash with water for 15 min.	- <u>Skin Contact:</u> Wash with soap and water
- <u>Inhalation:</u> Consult a physician	- <u>Ingestion:</u> Consult a physician

SECTION VII. TOXICITY DATA

- Carcinogenicity: Not listed as a carcinogen by IARC, NTP, OSHA, or ACGIH.
- Other Pertinent Data: None

SECTION VIII. SPECIAL PROTECTION INFORMATION

PERSONAL PROTECTIVE EQUIPMENT

Protective Gloves: Rubber gloves Eye Protection: Chemical/Safety Goggles

Respiratory Protection: Use self-contained respirator if not well-ventilated

Other Protective Equipment: Safety shower and eye-wash fountain

VENTILATION

Local Exhaust: Store in a well-ventilated or mechanically ventilated area

SECTION IX. SPILL, LEAK, AND DISPOSAL PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Waste Disposal Methods: Cover product with sand, sawdust or soil and sweep/scoop up. Flush residue with water. May be slippery if not completely cleaned. Place material in suitable container for disposal. Comply with local disposal laws.

Clean Water Act Requirements: None

Resource Conservation and Recovery Act: None

SECTION X. REGULATORY INFORMATION

FDA: N/A	USDA: N/A
DOT: Non-Regulated	CPSC: N/A
Proper Shipping Name: Organic Liquid	TSCA: N/A
Label Requirements: None	Hazard Class: None
Other Information: None	Identification Number: None
EPA: Superfund Amendments and Reauthorization Act (SARA) Title II: Section 313, Supplier Notification	

SECTION XI. SPECIAL PRECAUTIONS AND COMMENTS

- Precautions to be Taken in Handling and Storage: Keep in well-ventilated, cool place.
- Other Precautions: None

SECTION XII. REFERENCES

1. The Merck Index: An Encyclopedia of Chemicals and Drugs, 1983 10th ed., Merck and Company, Rahway, N.J.
2. Dangerous Properties of Industrial Materials, 5th ed., 1979, Sax, N.I., Van Nostrand Reinhold & Co., N.Y., N.Y.
3. 29 C F R 1910 General Industry OSHA Safety and Health Standards., U.S. Department of Labor, Occupational Safety and Health Administration. Rev. 1983, 1985.
4. Threshold Limit Values for Chemical Substances and Physical Agents in the Workroom Environment with Intended Changes. American Conference of Governmental Industrial Hygienists, Cincinnati, OH. 1985.
5. Handbook of Chemistry and Physics, Chemical Rubber Co., Cleveland, OH.
6. Water Quality Criteria, J.E. McKee and H.W. Wolf, Editors., Pub. No. 3-A (Revised). State of California, 1963.
7. Registry of Toxic Effects of Chemical substances: 1983 Supplement to the 1981-1982 Edition. National Institute of Occupational Safety and Health, 1984.

IMPORTANT

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