

California Organic Fertilizers, Inc.™

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MATERIAL SAFETY DATA SHEET

Phytamin® Guano Phos

SECTION I. IDENTIFICATION

Chemical Family: Organic Liquid Solution

Product Name and Synonyms: Phytamin® Guano Phos

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:
	Protein	N/A	N/A
	Molasses	N/A	N/A
	Bone Meal	N/A	N/A

SECTION III. PHYSICAL DATA

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|---|------------------------------------|
| - <u>Appearance and Odor:</u> Brown liquid with fish odor | - <u>Boiling Point:</u> N/A |
| - <u>Specific Gravity:</u> Unknown | - <u>Vapor Pressure:</u> N/A |
| - <u>Percent Volatile by Volume:</u> None | - <u>Melting Point:</u> N/A |
| - <u>Evaporation Rate (Ethyl Ether = 1):</u> N/A | - <u>Solubility in Water:</u> 100% |
| - <u>pH:</u> 6.5 to 7.5 | - <u>Molecular Weight:</u> Unknown |

SECTION IV. FIRE AND EXPLOSION HAZARD DATA

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| - <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

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|---|---|
| - <u>Stability:</u> Stable | - <u>Incompatibility:</u> None known |
| - <u>Hazardous Polymerization:</u> Will not occur | - <u>Hazardous Decomposition Products:</u> None known |
| - <u>Conditions to Avoid:</u> None | |

SECTION VI. HEALTH HAZARD INFORMATION

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

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|---|---|
| - <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: N/A Eye Protection: Chemical Goggles Respiratory Protection: N/A
Other Protective Equipment: N/A

VENTILATION

Local Exhaust: Not normally required Mechanical: Not normally required Special: N/A Other: N/A

SECTION IX. SPILL, LEAK, AND DISPOSAL PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Waste Disposal Methods: Sweep up spilled material and place in suitable container for recycle or disposal. Comply with local disposal laws.

Clean Water Act Requirements: None

Resource Conservation and Recovery Act: None

SECTION X. REGULATORY INFORMATION

<u>FDA</u> : N/A	<u>USDA</u> : N/A
<u>DOT</u> : Non-Regulated	<u>CPSC</u> : N/A
<u>Proper Shipping Name</u> : Organic Liquid	<u>TSCA</u> : N/A
<u>Label Requirements</u> : None	<u>Hazard Class</u> : None
<u>Other Information</u> : None	<u>Identification Number</u> : None
<u>EPA</u> : 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 dry place
- Other Precautions: None
- Registrations/Certifications: CCOF
- Effective Date: 6-1-94

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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