



SAFETY DATA SHEET

MANUFACTURER INFORMATION

Name: Omega Protein, Inc.
Address: 2105 City West Blvd, Suite 500
Houston, TX 77042-2838

Emergency Phone No: (800)345-8805
Information Phone No: (800)345-8805

Preparation Date: 08 March 2015

1. PRODUCT IDENTIFICATION

Product Name: Gulf Menhaden Condensed Fish Solubles
Atlantic Menhaden Condensed Fish Solubles
OmegaGrow™
OmegaGrow™ Plus
Neptune™ Fish Concentrate

Product Use: Animal Feed Ingredient, Organic Fertilizer

2. HAZARD IDENTIFICATION

EYE CONTACT: Contact can cause mild irritation of eyes
INGESTION: Corrosive to the mouth, esophagus and mucous membranes.
INHALATION: Mist or vapors can cause irritation of respiratory system
SKIN CONTACT: Contact can cause mild irritation of skin

3. COMPOSITION/INFORMATION ON INGREDIENTS

Specific Chemical Identity:

Common Name(s)	CAS Reg #	Inclusion Rate	OSHA PEL	ACGIH TLV
Sulfuric Acid	7664-93-9	3 - 5%	1 mg/m ³	1 mg/m ³

CAS Name: NA

CAS Registration No: NA

NIOSH Registry No: Not Registered

4. FIRST-AID MEASURES

Emergency and First Aid Procedures: Wash with soap and water. Keep area well ventilated.

Fish solubles can be removed from normal skin by washing with soap and water.

Hot solubles could result in burns to the contacted part. In that event, follow normal first aid procedures for treating burns.

5. FIRE-FIGHTING MEASURES

Flash Point (Method): NA

Smoke Point NA

Fire Point NA

Flammable Limits (LEL / UEL): NA

Extinguishing Media: CO₂, Water, Foam

6. ACCIDENTAL RELEASE MEASURES

Special Fire Fighting Procedures: None

Unusual Fire and Explosion Hazards: None

Auto Ignition Temperature: If pH exceeds 5.0 there is the possibility of formation of explosive mixture of gases. Tanks should be seasoned and well ventilated.

Auto Decomposition Temperature: Unknown

7. HANDLING & STORAGE

Steps to be taken in Case Material is Released or Spilled: Keep area well ventilated. Employ normal sanitation procedures to reduce risk. Spills produce slippery surfaces. Flush with water.

Other precautions: Tanks must be well ventilated. Additional handling recommendations are available on OPI Technical Bulletin *GUIDELINES FOR THE STORAGE AND HANDLING OF CONDENSED MENHADEN FISH SOLUBLES*

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Respiratory Protection: Use self-contained respirator equipment in closed systems.

Ventilation:

<table border="1" style="border-collapse: collapse; width: 100px; height: 100px;"> <tr><td style="width: 50px; height: 50px;"></td><td style="width: 50px; height: 50px;">Local Exhaust</td></tr> <tr><td style="width: 50px; height: 50px; text-align: center;">X</td><td style="width: 50px; height: 50px;">Mechanical (General)</td></tr> </table>		Local Exhaust	X	Mechanical (General)	<table border="1" style="border-collapse: collapse; width: 100px; height: 100px;"> <tr><td style="width: 50px; height: 50px;"></td><td style="width: 50px; height: 50px;">Special</td></tr> <tr><td style="width: 50px; height: 50px;"></td><td style="width: 50px; height: 50px;">Other</td></tr> </table>		Special		Other
	Local Exhaust								
X	Mechanical (General)								
	Special								
	Other								

Protective Gloves: Rubber gloves are needed Eye Protection: Safety goggles

Other Protective Clothing or Equipment: Gas monitoring equipment

Work / Hygienic Practices: Wash with soap and water

9. PHYSICAL & CHEMICAL PROPERTIES

Boiling Point: 220° F

Vapor Pressure (mm Hg): unknown

Vapor Density (Air = 1): unknown

Water Solubility: Complete

Physical State: Liquid

pH (1:1 w/water): 3.0 - 4.5

Specific Gravity (H₂O=1): 1.17

Melting Point: NA

Evaporation Rate (Butyl Acetate =1): 0.8

Appearance: Viscous liquid

Color: Brown

Odor: Fishy



10. STABILITY & REACTIVITY

Stability: Stable Unstable

Conditions to Avoid: PH above 5.0

Incompatibility (Materials to Avoid): Alkali, mild steel

Hazardous Decomposition or By Products: Ammonia, hydrogen gas, methane, hydrogen sulfide

Hazardous Polymerization: May Occur Will Not Occur

Conditions to Avoid: NA

11. TOXICOLOGICAL INFORMATION

Routes of Entry: Inhalation Skin Ingestion

Health Hazards (Acute and Chronic): May act as a slight irritant to the skin or lungs or a mild allergen. Prolonged skin contact could result in dermatitis in sensitive individuals.

12. ECOLOGICAL INFORMATION

No information is provided at this time.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method: Large quantities - sanitary landfill; Small quantities - normal sewage disposal

Precautions to be taken in Handling & Storing: Non-seasoned metal should be avoided. The pH should be monitored and adjusted as required. Tank contents should be circulated periodically. Tanks must be vented and purged with air before entry. Observe standard tank entry precautions.

*The disposal information contained herein cannot be warranted by Omega Protein, Inc. as correct in all cases. Because of particular or exceptional conditions or circumstances, or because of



applicable federal, State, or local law, other or additional information or measures may be required or desirable. The product user may want to consult the proper state and federal authorities.

14. TRANSPORT INFORMATION

DOT (HAZMAT) Proper Shipping Name: Fish Solubles

ID#: None

DOT Label: None

U.S. Surface Freight Classification: None

Pollutant Category: D

Group #: 43

CHRIS Code FSO

NFPA Rating

Health 0 Fire 1 Reactivity 0 Special Hazard COR

15. REGULATORY INFORMATION:

No information is provided at this time.

16. OTHER INFORMATION

This document was converted to SDS format on March 8th 2015.