
4. FIRST AID MEASURES

Routes of Entry:	Skin, Inhalation, Ingestion May act as a slight irritant to the skin or lungs or a mild allergen
After skin contact:	Wash off with plenty of water. Remove contaminated clothing. Prolonged skin contact could result in dermatitis in sensitive individuals.
After inhalation:	Fresh air. Excessive inhalation of the powder may obstruct respiration
After eye contact:	Rinse out with plenty of water with the eyelid held wide open.
After swallowing (large amounts):	Consult doctor if feeling unwell. If large amounts is swallowed, protein poisoning may occur
Signs and Symptoms of Exposure:	None known
Medical Conditions Generally Aggravated by Exposure:	None known
Emergency First Aid Procedures:	Health Hazards (Acute and Chronic): Wash with soap and water.

5. FIREFIGHTING MEASURES

Extinguishing Media:	Powder, foam or carbon dioxide (CO ₂). Spray Water*, Sand, etc
Special risks:	Development of hazardous combustion gases or vapours possible in the event of fire. The following may develop in event of fire: nitrogen oxides
Special Fire Fighting Procedures: *	Water will cause product to putrefy and eventually re - heat with oxidizing material. Could heat and ignite spontaneously depending upon moisture and oil content
Development of hazardous combustion gases or vapours	Development of hazardous combustion gases or vapours
Special protective equipment for fire fighting:	Do not stay in dangerous zone without self - contained breathing apparatus.
Auto Ignition Temperatures:	Unknown
Auto Decomposition Temperature:	Unknown

6. ACCIDENTAL RELEASE MEASURES

Wear protective equipment. Sweep up/take up dry. Clean up affected area. Collect spilled material, place in a bag and hold for disposal as directed by Regulatory Authority.

7. HANDLING AND STORAGE

Precautions to be taken in handling and storage:	Temperatures should be monitored and if temperatures rise above 40C, provision must be made for moving and/or cooling the product. Keep the product dry and maintain sanitary conditions.
Respiratory Protection:	Dust Mask
Ventilation:	Local Exhaust, Mechanical (General)
Protective Gloves:	Necessary if allergic
Other Protective Clothing or Equipment:	None
Work/Hygienic Practices:	Wash with soap and water

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Product is considered safe. Person should wear appropriate protective clothing if necessary.

Hand Protection:	Not applicable.
Eye Protection:	Wear safety glasses
Respiratory protection:	Wear mask when manipulating any product
General protection:	Apply general industrial hygiene measures

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	N/A
Vapor Density (Air=1):	N/A
Water Solubility:	15- 35 % of the Product
Physical State:	Solid
pH value at 100 g/l H ₂ O	6 - 7
Specific Gravity (H ₂ O)=1):	0.481 – 0.641
Melting Point:	N/A
Evaporation Rate (Butyl Acetate=1):	N/A
Ignition temperature:	> 400°C
Ignition energy:	> 100 mJ
Glowing temperature (5 mm)	> 390°C
ATE X classified as ignition class 1	

Fishmeal (SDS)

Explosion limits lower	About 60 g/m ³
Explosion limits upper	N/A
Appearance:	Meal / Granular
Color:	Brown
Odor:	Fishy / slightly of ammonia

10. STABILITY AND REACTIVITY

Stability:	Stable ; If stored under the recommended conditions, the product is stable for more than one year.
Conditions to Avoid:	Overheating, excessive moisture , Sun (rancidity)
Incompatibility (Materials to Avoid):	Oxidising Agents , chlorine
Hazardous Decomposition or By Products:	Ammonia when conditions of excess moisture are present
Hazardous Polymerization:	Will not occur

11. TOXICOLOGICAL INFORMATION

Fishmeal is of feed grade quality and is generally recognized as safe. Based on the composition of the product no adverse effects are to be expected when the product is handled appropriately.

12. ECOLOGICAL INFORMATION

Not considered harmful. No ecological problems are to be expected when the product is handled and used with due care and attention.

13. DISPOSAL CONSIDERATIONS

Disposal of non-hazardous materials much comply with local ordinances

Product: There are no uniform EC regulations for the disposal of chemicals or residues. The disposal of the later is regulated in the EC member countries through corresponding laws and regulations. We recommend that you contact either the authorities in charge or approved waste disposal companies which will advise you of how to dispose of special waste.

Packaging: Disposal in compliance with official regulations. Handle contaminated packaging in the same way as the substance itself. If not officially specified differently, non-contaminated packaging may be treated like household waste.

14. TRANSPORT INFORMATION

UN 2216 litra c concerning shipment of fish meal in bulk.

According to international rules for sea transport (IMO rules), fish meal treated with antioxidants is not considered hazardous goods.

15. REGULATORY INFORMATION

Classification according to EC directives: The product is not classified as a dangerous material. Symbols and phrases according to health hazards (R - and S -phrases): None.
Dangerous substances to label: None.

Labelling according to EU Directives

Symbol : -----

R-phrases: -----

S-phrases: -----

16. OTHER INFORMATION

Disclaimer

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Pestell Nutrition and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.

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