



U.S.FISH HYDROLYSATE

SAFETY DATA SHEET

SECTION 1: Identification

Product Identifier: U.S.Fish Hydrolysate
Manufacturer's Address: Titasa USA LLC 3314 SOUTH BURNSIDE AVENUE GONZALES, LA, 70737.
Manufacturer's Phone Number: +1-225-828-7510
Emergency Phone Number: 911
Recommended Use: As a fertilizer and soil amendment.

SECTION 2: Hazard Identification

Acute Toxicity, Oral – Category 5	
Signal Word: Warning	
Pictograms 	
Hazard Statements H303: May be harmful if swallowed.	
Precautionary Statements P102: Keep out of reach of children. P103: Read label before use. P312: Call a POISON CENTER or doctor/physician if you feel unwell.	

SECTION 3: Composition Information

Trade Secret	100%
Total	100%

SECTION 4: First-Aid Measures

INHALATION: Remove to fresh air immediately. If victim is not breathing, give artificial respiration. If symptoms develop, seek medical attention.
SKIN CONTACT: Flush skin thoroughly with clean water. If irritation occurs, seek medical attention.
EYE CONTACT: Remove contact lenses. Flush affected eye(s) continuously for 15 minutes with clean water. If irritation or other symptoms develop, seek medical attention.
INGESTION: Drink plenty of water. Do not induce vomiting. Seek medical attention. Never give anything by mouth to an unconscious/unresponsive person.
Symptoms of Exposure Skin contact may produce skin irritation. Eye contact may produce eye irritation. Ingestion may be harmful.
Recommendations for Immediate Medical Care

Remove all residual material if possible. Product may contain naturally-occurring microorganisms, so any exposed open wounds or mucous membranes should be decontaminated appropriately.

SECTION 5: Fire-Fighting Measures

Suitable Extinguishing Media: Water spray, dry chemical, CO₂, foam

Specific Hazards Arising from this Substance: Product is not flammable. However, heating of the product may produce steam, which may present a burn or explosion hazard.

Recommendations for Firefighter Protective Equipment: Firefighters should wear self-contained breathing apparatus, operated in positive-pressure mode, as well as appropriate protective clothing.

SECTION 6: Accidental Release Measures

Personal Precautions: Wear gloves, work clothes, and eye protection.

Emergency Procedures: Non-essential personnel should be evacuated from spill area, as spill may present a slip hazard.

Methods of Containment: Contain spill with sand dikes, sawdust, or another physical barrier.

Cleanup Procedures: Spilled material may be mopped up or absorbed with a suitable absorbent. Spill area should be mopped with soap and water if possible, to remove oily residue. Collected liquid and used absorbent should be transferred to appropriate containers. It should be disposed of according to local regulations. It may be disposed of as organic waste.

SECTION 7: Handling and Storage

Precautions for Safe Handling: Protect open wounds from contact with product. Take precautions to minimize splashing.

Conditions for Safe Storage, Including Incompatibilities: Store indoors at ambient temperature. Store in original container. Keep away from children and pets. Store below 120°F where possible.

Further Information: Use good personal hygiene practices. This substance is made from natural products, and is likely to contain naturally-occurring microorganisms. Take proper precautions to avoid infection of open wounds, and eye irritation. Hygiene practices necessary to prevent health hazards from natural substances such as soil should be observed. After handling product, hands should be washed with soap and water before eating, drinking, smoking, or using toilet facilities.

SECTION 8: Exposure Controls / Personal Protection

OSHA PEL	ACGIH	TLV	Other Exposure Limits
NDA	NDA	NDA	NDA

Engineering Measures: Store indoors at ambient temperature. Store only in original container.

Eye Protection: Safety glasses or safety goggles should be worn where eye exposure is likely.

Hand Protection: Any appropriate water-proof gloves.

Skin and Body Protection: Normal work clothing.

Respiratory Protection: None required.

General Protective and Hygiene Practices: Appropriate local ventilation, where required. Open wounds should be kept clean and protected. After handling material, wash hands before eating, drinking, smoking, or using restrooms. Keep away from foodstuffs and beverages. Material may make surfaces slippery.

SECTION 9: Physical and Chemical Properties

Physical State: Liquid

Appearance: Brown or olive-colored oily liquid.

Odor: Fishy. Possibly earthy.

Odor Threshold: NDA

pH: NDA

Melting/Freezing Point: NDA

Boiling Point/Range: NDA

Flash Point: NDA
Evaporation Rate: NDA
Flammability (solid, gas): NDA
Flammability or explosive limits: Upper: NDA Lower: NDA
Vapor Pressure: NDA
Relative Density: NDA
Solubility: Miscible with water.
Partition coefficient; n-octanol/water: NDA
Autoignition Temperature: NDA
Decomposition Temperature: NDA
Viscosity: NDA

SECTION 10: Stability and Reactivity

Reactivity: Inert.
Stability: Stable under normal conditions.
Conditions to Avoid: Keep away from open flames, hot surfaces, and sources of ignition.
Incompatible Materials: Strong acids, strong bases, strong oxidizers, strong reducing agents, water-incompatible materials.
Hazardous Decomposition Products: CO ₂ (carbon dioxide). CO (carbon monoxide).

SECTION 11: Toxicological Information

Likely Routes of Exposure: Possible routes of exposure include eye contact, skin contact, or ingestion.
Effects of Exposure: NDA
LD₅₀: NDA
Description of Symptoms: NDA
NTP/IARC Carcinogenicity: NDA

SECTION 12: Ecological Information

Ecotoxicity: NDA
Biodegradation: Product is a natural material, and will biodegrade.
Octanol-Water Partition Coefficient: NDA
Bioconcentration Factor: NDA
Other Adverse Effects: None.

SECTION 13: Disposal Considerations

For safe handling practices, see Section 8.
Disposal Containers: Material should be disposed of in its original container, where possible. If original container is not available, material may be disposed of in any suitable waterproof closed-top container.
Disposal Methods: Material may be disposed of as organic waste, according to state, local, and federal laws.
Properties Affecting Disposal:
Special Precautions for Landfill or Incinerator Disposal: None.
Do not dispose of waste product in sewers, storm drains, lakes, ponds, streams, or other bodies of water.

SECTION 14: Transport Information

UN Number: Unknown
UN Proper Shipping Name: Fish Hydrolysate
Transport Hazard Class(es): None
Packing Group Number: N/A
Environmental Hazard(s): None

Guidance on Transport in Bulk: Product may slosh during shipping. Large containers should be well-secured before transport.

Special Precautions: Product may slosh during shipping.

SECTION 15: Regulatory Information

No special regulatory information.

SECTION 16: Other Information

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(NDA = No Data Available)

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