

Form: Liquid

Section 1: Chemical Product and Company Information

Product Identifier: THERMOSTABLE AMYLASE HTL
Other Identifier: None
Recommended Use: Food Grade
Supplier Information: ANKOM Technology Corp.
 2052 O'Neil Road
 Macedon, NY 14502
 (p) 315 986-8090
Emergency Phone: (315) 986-3857 8am – 4pm EST

Section 2: Hazards Identification

Hazard Class: Skin Irritant Category 2
 Eye Irritant Category 2B
 Respiratory Sensitizer Category 1
 Specific Target Organ Toxicant – Single Exposure (Respiratory Irritant) Category 3
Signal Word: Danger
Hazard Statement: May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation. May cause skin and eye irritation.


Pictograms:

Precautionary Statement: Avoid breathing dust/mist/vapor/spray. Use only outdoors or in a well-ventilated area. Wear respiratory protection. Avoid contact with skin, eyes, and clothing. Wear protective gloves and safety glasses with side-shields. Ensure regular cleaning of equipment, work area, and clothing. Do not ingest.

Section 3: Composition/ Information on Ingredients

Name: Alpha Amylase	CAS Number: 9000-90-2	% by weight: 1-5%
Name: Water	CAS Number: 7732-18-5	% by weight: Remainder%

Section 4: First Aid Measures

Inhalation: If inhaled remove from contaminated area to fresh air. Report the situation. Seek medical attention if allergic response is exhibited.
Eye Contact: In case of contact with eyes, flush eyes with low pressure water for at least 15 minutes. If irritation develops, seek medical attention.
Skin Contact: In case of contact with skin, wash skin with soap and cold water. Remove contaminated clothing and wash.
Ingestion: If swallowed, rinse mouth and throat thoroughly with tap water. Drink water.

Section 5: Fire Fighting Measures

Suitable Extinguishing Media: Standard procedure for chemical fires. Foam. Water.
Non-Suitable Extinguishing Media: None
Specific Exposure Hazards: None
Protective Equipment: No special requirements

Section 6: Accidental Release Measures

Personal precautions:	Use only with adequate ventilation/personal protection. Avoid breathing dust or spray mist. Avoid formation of dust and aerosols. (See section 8.)
Emergency procedures:	Prevent further leakage or spillage if safe to do so.
Containment methods & Cleanup procedures:	Contain and remove spilled product by mechanical means or with a vacuum cleaner equipped with a high efficiency filter. Avoid formation of aerosol.

Section 7: Handling and Storage

Safe Handling:	Never handle liquid without appropriate personal protective equipment in accordance with Section 8. Avoid splashing and high pressure washing. Ensure good ventilation of the room when handling.
Storage:	Keep container tightly closed in a cool, dry, well ventilated place.

Section 8: Exposure Controls/ Personal Protection

Appropriate engineering controls:	Adequate ventilation.
Eye/face protective equipment:	Wear protective glasses or eye shield.
Skin protection:	Impermeable gloves recommended.
Respiratory Protection:	Use NIOSH approved respiratory protection such as full face mask.

Section 9: Physical and Chemical Properties

Appearance:	Brown
Odor:	Characteristic enzyme odor
Odor Threshold:	Not available
pH:	6.8-7.2
Melting point/freezing point:	Not available
Initial boiling point and boiling range:	Not available
Flash point:	Not available
Evaporation rate:	Not available
Flammability (solid, gas):	Not available
Upper/lower flammability or explosive limits:	Not available
Vapor Pressure:	Not available
Vapor Density:	Not available
Relative Density:	1.15 – 1.25
Solubility:	Miscible
Partition coefficient: n-octanol/water:	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity:	Not available

Section 10: Stability and Reactivity

Reactivity:	Not available
Chemical Stability:	Stable under normal storage conditions
Hazardous reactions:	Not available
Conditions to avoid:	Not available
Incompatible materials:	Not available
Hazardous Decomposition Products:	Not available

Section 11: Toxicological Information

Routes of Exposure:	Eye contact, skin contact, ingestion, inhalation
Symptoms (immediate)	Can cause irritation to the eyes, skin, mucus membranes, and the upper respiratory tract
Symptoms (delayed)	Chronic inhalation exposure may lead to allergic sensitization based on exposure level, duration, and susceptibility
Acute toxicity:	Not available
Eye irritation:	May cause minor irritation
Skin irritation:	May cause minor irritation
Respiratory irritation:	May cause minor irritation
Sensitization towards product:	Inhalation of enzyme mist/dust may cause allergic respiratory reactions, including asthma, in susceptible individuals on repeated exposure
Germ cell mutagenicity:	Not available
Reproductive toxicity:	Not expected to produce reproductive toxicity
Carcinogenicity:	Not classified as a carcinogen by IARC, OSHA, or NTP

Section 12: Ecological Information

Ecotoxicity:	Not available
Persistence and degradability:	Product is readily biodegradable
Bioaccumulative potential:	Not available
Mobility in soil:	Not available
Other adverse effects:	Not available

Section 13: Disposal Considerations

No special disposal method required, except that in accordance with all applicable federal, state, and local regulations.

Section 14: Transport Information

Harmonized Tariff Code:	3507.90.7000 (for Enzymes)
UN Number:	Not classified
UN Proper Shipping Name:	Not classified
Transportation Hazard Class:	Not classified
Packing Group:	Not classified
Transport Environmental Hazard:	Not classified
Transport Special Precautions:	Not classified
MARPOL:	Not classified

Section 15: Regulatory Information

All components of this product are listed or exempt from listing on the TSCA Inventory.

Section 16: Other Information

Revision History: **Effective Date:** 02/03/2021 **Supercedes:** 04/09/2015 **GHS 2015 FORMAT**

The information contained in this Safety Data Sheet, as of the issue date, is believed to be true and correct. However, the accuracy or completeness of this information and any recommendations or suggestions are made without warranty or guarantee. Since the conditions of use are beyond the control of the company, it is the responsibility of the user to determine the conditions of safe use of this product. The information does not represent analytical specifications.

END OF SDS