

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	CAS Number	% by weight
Amylase	9000-90-2	< 3%
Sodium Chloride	7647-14-5	17 – 25%
Sorbitol	50-70-4	11 – 15%
Water	7732-18-5	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

<b>Personal precautions:</b>	Use only with adequate ventilation/personal protection. Avoid breathing dust or spray mist. Avoid formation of dust and aerosols. (See section 8.)
<b>Emergency procedures:</b>	Prevent further leakage or spillage if safe to do so.
<b>Containment methods &amp; Cleanup procedures:</b>	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

<b>Safe Handling:</b>	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.
<b>Storage:</b>	Keep container tightly closed in a cool, dry, well ventilated place.

## Section 8: Exposure Controls/ Personal Protection

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

## Section 9: Physical and Chemical Properties

<b>Appearance:</b>	Light Brown Liquid
<b>Odor:</b>	Characteristic enzyme odor
<b>Odor Threshold:</b>	Not available
<b>pH:</b>	> 5.0
<b>Melting point/freezing point:</b>	Not available
<b>Initial boiling point and boiling range:</b>	Not available
<b>Flash point:</b>	Not available
<b>Evaporation rate:</b>	Not available
<b>Flammability (solid, gas):</b>	Not available
<b>Upper/lower flammability or explosive limits:</b>	Not available
<b>Vapor Pressure:</b>	Not available
<b>Vapor Density:</b>	Not available
<b>Relative Density:</b>	1.15 – 1.25
<b>Solubility:</b>	Miscible
<b>Partition coefficient: n-octanol/water:</b>	Not available
<b>Auto-ignition temperature:</b>	Not available
<b>Decomposition temperature:</b>	Not available
<b>Viscosity:</b>	Not available

## Section 10: Stability and Reactivity

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

## Section 11: Toxicological Information

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

## Section 12: Ecological Information

<b>Ecotoxicity:</b>	Not available.
<b>Persistence and degradability:</b>	Product is readily biodegradable.
<b>Bioaccumulative potential:</b>	Not available.
<b>Mobility in soil:</b>	Not available.
<b>Other adverse effects:</b>	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

<b>Harmonized Tariff Code:</b>	3507.90.7000 (for Enzymes)
<b>UN Number:</b>	Not classified
<b>UN Proper Shipping Name:</b>	Not classified
<b>Transportation Hazard Class:</b>	Not classified
<b>Packing Group:</b>	Not classified
<b>Transport Environmental Hazard:</b>	Not classified
<b>Transport Special Precautions:</b>	Not classified
<b>MARPOL:</b>	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:** 04/09/2015      **Supersedes:** First Issue      **GHS 2015 FORMAT**

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