



**Hall's**  
MANUFACTURING

**Micro Fresh**

**Safety Data Sheet**

### 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: **Micro enzyme**  
Recommended Use: House hold use  
Company: HALL'S ADHESIVES & CHEMICALS  
Address: 160 VICTORIA ROAD, PIETERMARITZBURG. KZN  
Telephone Number: 033 3458376  
Emergency Telephone: 033 3458376

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

**Ingredients:**  
Contains enzymes: Lipolase, < 10%  
Protease, Amylase

### 3. HAZARDOUS IDENTIFICATION

Hazardous Classification: Hazardous  
Risk Phrase(s): R36/37 – Irritating to eyes and respiratory system

Safety Phrase(s):  
S2 – Keep out of reach of children  
S9 – Keep container in a well-ventilated place  
S25 – Avoid contact with eyes

### 4. FIRST AID MEASURES

Inhalation: Move from contaminated area. Apply artificial respiration if struggling to breathing. Seek medical assistance.  
Ingestion: In cases of ingestion, contact a Doctor or Poisons Information Centre. Do not induce vomiting.  
Skin: Skin contact, remove contaminated clothing and wash skin thoroughly. Wash clothing before reuse.  
Eye: Eye contact, hold eye open and flush the eye with water for at least 15 minutes. seek medical assistance  
First Aid Facilities: Provide eye baths and safety showers close to areas where splashing May occur.

### 5. FIRE FIGHTING MEASURES

Substantial Extinguishing Media: Non-Flammable  
Protective Equipment for Fire Fighters: Full protection equipment against corrosive fumes and liquids, a self-contained breathing apparatus, should be worn.  
Specific Hazards: Flammable  
Hazchem Code: 4[W]E

### 6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures:  
Absorb with inert material. Dispose according to municipal regulations.

### 7. HANDLING AND STORAGE

**Precautions for Safe Handling:**  
Wear chemical goggles or face shield. Wear protective clothing as necessary to avoid skin contact. Wear chemical resistant gloves. Respiratory protection should be used if there is a risk of exposure to high vapour concentrations. This product is harmful if it is inhaled. Respirators should comply SABS Standard. Wear chemical resistant gloves.

**Conditions for Safe Storage:**

Store in a cool well-ventilated area away from heat. Containers should always be kept closed in storage and properly labelled. Many plastics may be unsuitable as storage and handling materials. Store only in original or approved containers.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Engineering Controls:**

Provide sufficient ventilation to control exposure levels below the exposure standards. Use local exhaust ventilation at sources of air contamination such as open process equipment. Dangerous concentrations may exist in areas with poor ventilation such as confined spaces.

**Respiratory Protection:**

Respiratory protection should be used if there is a risk of exposure to high vapour concentrations. Respirators should comply with SABS standards.

<b>Eye Protection:</b>	Wear chemical goggles or face shield.
<b>Hand Protection:</b>	Wear chemical resistant gloves.
<b>Body Protection</b>	Wear protective clothing as necessary to avoid skin contact.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Opaque cream liquid
<b>Odour:</b>	Neutral
<b>Boiling Point:</b>	N/A
<b>Solubility in Water:</b>	water soluble
<b>Specific Gravity:</b>	0.97 g/mL
<b>Volatile Component:</b>	N/A
<b>Flash Point:</b>	N/A
<b>Flammability:</b>	<b>Non-Flammable.</b>

**10. STABILITY AND REACTIVITY**

**Chemical Stability:** Stable under normal use conditions

**Conditions to Avoid:** Never mix with other acids, chemicals or solvents.

**Incompatible Materials:** N/A

**11. TOXICOLOGICAL INFORMATION****Inhalation:**

Avoid breathing vapour or spray mist. Vapour concentrations are irritating to nose and throat resulting in possible headaches, dizziness, and lack of coordination, nausea and possible loss of consciousness.

**Ingestion:**

Harmful if ingested. Exposure to this product may result in nausea, dizziness and lack of consciousness. Vomiting may cause the product to be aspirated in the lungs possibly resulting in chemical pneumonitis.

**Skin:**

Avoid contact with skin. Exposure may cause the product to be absorbed into the skin promoting the potential for over-exposure.

**Eye:**

Avoid contact with eyes. Product may cause moderate to severe eye irritation and pronounced inflammation.

**Chronic Effects:**

Repeated or prolonged contact may cause irritant contact dermatitis.



## 12. ECOLOGICAL INFORMATION

### Eco toxicity:

A low potential to affect aquatic organisms.

A low potential to affect secondary waste treatment microbial metabolism.

A low potential to affect the growth of some plant seedlings.

## 13. DISPOSAL CONSIDERATIONS

### Waste Disposal:

Dispose according to municipal regulations

Recycle empty containers responsibly.

## 14. TRANSPORT INFORMATION

### Transport Information:

Handle in accordance of South African regulations for household chemicals

### Proper Shipping Name:

Household Cleaning Chemical

### DG Class:

0

### Hazchem Code:

4[W]E

### Packing Group:

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## 15. REGULATORY INFORMATION

### Poisons Schedule:

S6, S2, S24, S37, S46

### National and or International Regulatory Information:

Classified as hazardous according to criteria of Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

### Packaging & Labelling:

Supplied in an appropriately safe, sealed container.

## 16. OTHER INFORMATION

Take precautionary measures against static discharges. In case of any discomfort always seek medical advice.