

MSDS - Material Safety Data Sheet**Product Name: Enzyme Cleaner, Granular****MSDS No.: 039750****Part Numbers Covered:**

039750
 039751
 039752
 039761
 039762

1. Basic Information:**Manufacturer:** William H. Harvey Company**Address:** 4334 South 67th Street**City, ST Zip:** Omaha, NE 68117-1019**Emergency Contact:** CHEMTREC**Emergency Telephone Number:** (800)424-9300**Contact:** Information Telephone Number**Information Telephone Number:** (800)228-9681**Last Update:** 12/01/2006**Expiration Date:****Chemical State:** ☐ Liquid☐ Gas☒ Solid**Chemical Type:** ☐ Pure☒ Mixture

1	Health
0	Flammability
0	Reactivity
X	Pers. Protection

2. Ingredients:☒ Trade Secret

CAS No.	Chemical Name	% Range	EHS	IARC	SARA	OSHA	ACGIH	Other
			NTP	SUB Z	313	PEL	TLV	Limits
NA	Blend of Bacillus spores & vegetative microorganisms	3.0 - 7.0				NA	NA	NI
7757-82-6	Sodium Sulfate Anhydrous	90.0 - 97.0				15 MG/M3	5 MG/M3	NI

3. Hazardous Identification:**Hazard Category:**☒ Acute☐ Chronic☐ Fire☐ Pressure☐ Reactive**Hazardous Identification Information:**

NDA

4. First Aid Measures:**Route(s) of Entry:**

Ingestion, eye contact, skin contact, inhalation.

Health Hazards (Acute and Chronic):

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EYES: This product may cause eye irritation.

SKIN CONTACT: Could cause mild skin irritation after prolonged contact.

INHALATION: Inhaling dust from this product could cause irritation to the lungs and mucus membranes.

INGESTION: Ingestion of this product could cause irritation to the mouth and throat or cause choking

Signs and Symptoms:

None known.

EYE CONTACT: THIS MATERIAL MAY CAUSE EYE IRRITATION OR INFECTION

SKIN CONTACT: MAY CAUSE IRRITATION

SKIN ABSORPTION: CONTACT MAY CAUSE STRONG IRRITATION

INHALATION: PRODUCT MAY PRODUCE NUISANCE DUST WHICH WILL IRRITATE RESPIRATORY PASSAGES

OTHER EFFECTS OF OVEREXPOSURE: ORGANISMS ARE NON-PATHOGENIC BUT CAN CAUSE INFECTION WHEN IN CONTACT WITH OPEN WOUNDS

Medical Conditions Generally Aggravated by Exposure:

None known, however persons with respiratory problems should avoid breathing dust from this product.

Emergency and First Aid Procedures:

SKIN: Remove contaminated clothing and footwear. Wash material off the skin with soap and water. Wash clothing and footwear before reuse.

INHALATION: Remove victim to fresh air and avoid breathin dust from product. If breathing problems develop, seek medical attention

EYES: Immediately flush with water for at least 15 minutes and have eyes examined and treated by medical personnel.

INGESTION: Do not induce vomiting. Treat symptomatically and supportively. Get medical attention immediately.

Emergency first aid call: 1-877-740-5015 Toll Free

Other Health Warnings:

NI

5. Fire Fighting Measures:

Flash Point: NA

Lower Explosive Limit: NA

Upper Explosive Limit: NA

F.P. Method:

Fire Extinguishing Media: Water spray, carbon dioxide, dry chemical

Special Fire Fighting Procedures:

Prevent human exposure to fire, fumes, smoke, and products of combustion. Evacuate non-essential personnel. Firefighters should wear full face, self contained breathing apparatus and impervious protective clothing.

Unusual Fire and Explosion:

Dust can be an explosion hazard.

6. Accidental Release Measures:

Steps to be Taken in Case Material is Released or Spilled:

Contain and collect for later use or disposal

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7. Handling and Storage:

Precautions to be Taken:

Prevent skin and eye contact. Avoid creating dust.

Other Precautions:

NI

8. Exposure Controls/Personal Protection:

Ventilation Requirements:

GENERAL MECHANICAL VENTILATION

Personal Protective Equipment:

Control of exposure to below the TLV for the ingredients will be sufficient. Minimize exposure in accordance with good hygiene practice. Avoid handling which would create large amounts of dust. Use approved respirator for nuisance dust. To maintain shelf life, avoid prolonged exposure to high temperatures and humidity.

9. Physical and Chemical Properties:

Boiling Point: NA

Melting Point: NI

Evaporation Rate (Butyl Acetate = 1): NA

Vapor Pressure (mm Hg.): NA

Specific Gravity (H₂O = 1): 2.70000

Vapor Density (AIR = 1): NA

Solubility In Water: MODERATE-CONTAINS VIABLE BACTERIA

Appearance and Odor: Free flowing, white granular, no characteristic odor

Other Information: NI

10. Stability and Reactivity:

Stability:

Stable under normal conditions.

Incompatibility (Materials to Avoid):

Strong acids and bases.

Decomposition/By Products:

Carbon monoxide, carbon dioxide, oxides of sulfur.

Hazardous Polymerization:

Will not occur.

11. Toxicological Information:

NDA

12. Ecological Information:

NDA

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13. Disposal Considerations:

Disposal of this product or its residues must be in accordance with all local, state, and federal requirements.

14. Transport Information:

DOT PROPER SHIPPING NAME: N/A

DOT LABEL: N/A

DOT NUMBER: N/A

UN NUMBER: N/A

IMCO CLASS: N/A

DOT HAZARD CLASSIFICATION: N/A

15. Regulatory Information:

NDA

16. Other Information:

Precautions to be taken in handling or storing: prevent skin and eye contact. Avoid creating dust.

ABBREVIATIONS:

~ = Approximately

< = Less Than

> = Greater Than

ACGIH = American Conference of Governmental Industrial Hygienists

AIHA = American Industrial Hygiene Association

C = Degrees Celcius

Deg = Degrees

EPA = Environmental Protection Agency

F = Degrees Farenheit

HMIS = Hazardous Materials Information System

IARC = International Agency for Research on Cancer

NA = Not Applicable

NDA = No Data Available

NE = Not Established

NFPA = National Fire Protection Association

NI = Not Indicated

NIOSH = National Institute of Occupational Safety and Health

NTP= National Toxicology Program

OSHA = Occupational Safety and Health Administration

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