

Hardy Diagnostics

Safety Data Sheet

1. Product And Company Identification

1.1. Product identifiers

Product Name: **MucoGest 50**

Other Common Names: None

Catalog Number: Z130

1.2. Recommended use

For use in the digestion and decontamination procedures of sputum and other clinical specimens for the recovery of mycobacteria and fungi.

1.3. Details of the supplier of this Safety Data Sheet

Company: Hardy Diagnostics
 1430 West McCoy Lane
 Santa Maria, CA 93455

Telephone: (805) 346-2766

(800) 266-2222

Emergency Phone: (800) 424-9300 ChemTrec (24hr service)

2. Hazards Identification

2.1. Classification of substance or mixture

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS)


Acute Toxicity, Oral (Category 4), H302

Skin Irritation (Category 2), H315

Eye Damage (Category 1), H318

Short-Term (Acute) Aquatic Hazard (Category 3), H402

2.2. GHS Label elements, including precautionary statements

Pictogram:	
Signal Word:	Danger
Hazard Statements:	
H302	Harmful if swallowed.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H402	Harmful to aquatic life
Precautionary Statements:	
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink, or smoke when using this product.
P273	Avoid release to the environment
P280	Wear protective gloves and eye protection.
P301+P312+P330	IF SWALLOWED: Call a POISON CENTER if you feel unwell. Rinse Mouth
P302+P352	IF ON SKIN: Wash with plenty of soap and water.

P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321	Specific treatment (see supplemental first aid instructions on this label).
P332+P313	If skin irritation occurs: Get medical attention.
P337+P312	If eye irritation persists: Get medical attention.
P362	Take off contaminated clothing and wash it before reuse.
P501	Dispose of contents or container at an approved waste disposal facility, according to applicable regulations.

2.3. **Hazards not otherwise classified or not covered by GHS**

No data available.

3. Composition/Information on Ingredients

3.1. **Mixtures**

Hazardous components:

Substance:	Concentration:	Hazard Information:
DTT (DL-Dithiothreitol) (CAS# 27565-41-9, 3483-12-3)	≤100%	Acute Oral Toxicity 4, Skin Irritation 2, Eye Irritation 2A, Short-Term Acute Aquatic Hazard 3

4. First Aid Measures

4.1. **Description of first aid measures**

Inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial respiration and immediately seek medical attention.
Ingestion:	Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Seek medical advice.
Skin Contact:	Immediately wash thoroughly with soap and water. If irritation persists, consult a physician. Avoid touching contaminated clothing.
Eye Contact:	Immediately flush eyes with plenty of water for at least 15 minutes, keeping eyelids open. If irritation persists, consult a physician.

4.2. **Most important symptoms and effects, both acute and delayed**

The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11.

4.3. **Indication of any immediate medical attention and special treatment needed**

No data available.

5. Firefighting Measures

5.1. **Extinguishing media**

Water spray, carbon dioxide, dry chemical powder or appropriate foam.

5.2. **Special hazards arising from the substance or mixture**

Carbon Oxides, Sulfur Oxides, Combustible, Risk of dust explosion. Development of hazardous combustion gases or vapours possible in the event of fire.

5.3. **Advice for firefighters**

In the event of a fire, wear protective clothing and NIOSH-approved breathing apparatus necessary to prevent any possible irritation.

5.4. **Further information**

Suppress gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.

6. Accidental Release Measures

6.1. **Personal precautions, protective equipment and emergency procedures**

Wear protective equipment: chemical resistant gloves. Keep unprotected persons away.

Environmental precautions

Do not let product enter drains.

6.2. **Methods and materials for containment and cleaning up**

Cover drains. Collect, bind and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

6.3. **Reference to other sections**

For disposal, see section 13.

7. Handling and Storage

7.1. **Precautions for safe handling**

Wear appropriate personal protective equipment.

7.2. **Conditions for safe storage, including any incompatibilities**

Keep container tightly closed. Store in a cool dry place in accordance with specified storage conditions. Store at 0-8°C

7.3. **Specific end uses**

Apart from uses mentioned in section 1.2, not other specific uses are stipulated.

8. Exposure Controls/Personal Protection

8.1. **Control parameters**

No data available.

8.2. **Appropriate engineering controls**

Safety shower and eye bath. Mechanical exhaust required.

8.3. **Personal protective equipment**

Eye/Face:	Safety goggles.
Skin:	Chemical resistant gloves.
Respiratory:	NIOSH/MSHA approved respirator.
Thermal Hazards:	No data available.

9. Physical and Chemical Properties

9.1. **Information on basic physical and chemical properties**

Appearance:	Physical State: Powder Color: White
Odor:	Unpleasant
Odor Threshold:	Not Determined
pH:	Not Determined
Melting/Freezing Point:	40°C – 44°C
Boiling Point:	Not Determined
Flash Point:	CLOSED CUP: >110°C

Evaporation Rate:	Not Determined
Flammability:	Not Determined
Explosion Limits:	Not Determined
Vapor Pressure:	Not Determined
Vapor Density:	Not Determined
Relative Density:	Not Determined
Water Solubility:	Soluble
Partition coefficient (n-octanol/water):	Not Determined
Auto-ignition Temperature:	Not Determined
Decomposition Temperature:	Not Determined
Viscosity:	Not Determined
Explosive Properties:	Not Determined
Oxidizing Properties:	Not Determined

9.2. **Other safety information**

No data available.

10. **Stability and Reactivity**

Reactivity	No data available.
Chemical stability	This product is stable.
Possibility of hazardous reactions	No data available.
Conditions to avoid	Heat, flames, ignition sources.
Incompatible materials	No data available.
Hazardous decomposition products	No dangerous decomposition products known.

11. **Toxicological Information**

11.1. **Information on toxicological effects**

Acute toxicity	LD50 Oral-Rat-Female-300-2,000 MG/KG
Skin corrosion/irritation	Skin Irritation
Serious eye damage/eye irritation	Causes serious eye damage
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	No data available
Reproductive toxicity	No data available
Specific target organ toxicity – single exposure	No data available
Specific target organ toxicity – repeated exposure	No data available
Aspiration Hazard	No data available
Additional information	No data available.

12. **Ecological Information**

Toxicity	No data available
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
Results of PBT and vPvB assessment	No data available
Other adverse effects	No data available

13. Disposal Considerations

13.1. **Waste disposal**

Dispose of in accordance with applicable state and federal regulations.

Disposal must be in accordance with regulations 40 CFR 261.

14. Transport Information

DOT hazard class	None
Shipping name	Aviation Regulated Solid, N.O.S.
Identification number	3335
Packing group	III

15. Regulations

Carcinogenicity	Yes/No
NTP:	No
IARC:	No
OSHA:	No
California Prop 65:	No
IATA:	No

16. Other Information

The above information, to the best of our knowledge, is accurate. Hardy Diagnostics assumes no liability whatsoever for the accuracy or completeness of the information stated above. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards may be described, we cannot guarantee that these are the only hazards that exist.

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HARDY DIAGNOSTICS

1430 West McCoy Lane, Santa Maria, CA 93455, USA

Phone: (805) 346-2766 ext. 5658

Fax: (805) 346-2760

Website: www.HardyDiagnostics.com

Email: TechService@HardyDiagnostics.com

Distribution Centers:

California · Washington · Utah · Arizona · Texas · Ohio · New York · Florida · North Carolina