

Material Safety Data Sheet

Section 1 - Chemical Product and Company Identification

Product/Chemical Name: Gladase[®] Papain-Urea Debriding Ointment

Chemical Formula: N/A

CAS Number: N/A

Other Designations: N/A

General Use: Enzymatic Debriding Ointment

Manufactured For: Smith & Nephew, Inc. 970 Lake Carillon Drive, Suite 110, St. Petersburg, FL 33716 **Phone:** 1-800-876-1261

Date Reviewed: August 13, 2009

Section 2 - Composition Information on Ingredients

Ingredient Name	CAS Number	%wt or % Vol
Papain	9001-73-4	Proprietary
Urea	57-13-6	Proprietary
Purified Water	7732-18-5	Proprietary
Emulsifying Wax	Proprietary	Proprietary
Glycerin	56-81-5	Proprietary
Isopropyl Palmitate	142-91-6	Proprietary
Potassium Phosphate Monobasic	231-913-4	Proprietary
Fragrance	Proprietary	Proprietary
Methylparaben	99-76-3	Proprietary
Propylparaben	94-13-3	Proprietary

Section 3 - Hazards Identification

☆☆☆☆☆ Emergency Overview ☆☆☆☆☆

HMIS	
H	1
F	0
R	0
PPE	0

Potential Health Effects

Acute Effects

Eye: May cause irritation.

Skin: A small percentage of patients may experience a transient burning sensation on application of the ointment. In some instances, direct contact of the ointment with intact skin may cause irritation.

Ingestion: If swallowed, product is moderately toxic. Ingestion of large quantities can be hazardous.

Inhalation: None known.

Medical Conditions Aggravated by Long-Term Exposure: See product labeling

Carcinogenicity: National Toxicology Program () Yes (x) No

I.A.R.C. Monographs () Yes (x) No

OSHA () Yes (x) No

Section 4 - First Aid Measures

Eye Contact: Remove from source of exposure. Flush with copious amounts of water for 15 minutes. If irritation persists seek medical attention or call Poison Control Center.

Skin Contact: Wash exposed areas with copious amounts of water. If irritation persists seek medical attention or call Poison Control Center.

Inhalation: Not applicable.

Ingestion: Call physician or poison control center.

After first aid, get appropriate in-plant, paramedic, or community medical support.

Special Precautions/Procedures: None

Section 5 - Fire-Fighting

Flash Point: Not determined

Flash Point Method: Not determined

Flammable Limits: Not determined

Burning Rate: Not determined

Autoignition Temperature: Not determined

LFL (% vol in air): Not determined

UFL (% vol in air): Not determined

Flammability Classification: Not determined

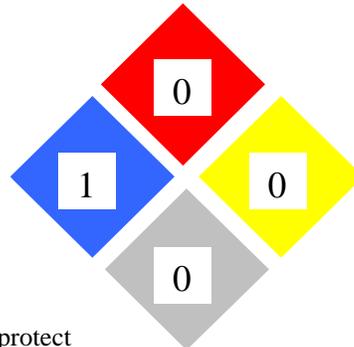
Extinguishing Media: Dry chemical, CO₂, foam, water fog or foam as appropriate for surrounding fire and materials.

Unusual Fire or Explosion Hazards: None

Hazardous Combustion Products: Not determined

Special Fire Fighting Procedures: Use water spray to cool fire exposed surfaces and foam to protect personnel. Wear self-contained breathing apparatus and protective clothing to prevent contact with the skin and eyes.

NFPA:



Section 6 - Accidental Release Measures

Spill /Leak Procedures: Wear protective gear, collect in suitable container, wash spill area with water.

Regulatory Requirements: Follow applicable OSHA regulations (29 CFR 1910.120)

Section 7 - Handling and Storage

Handling Precautions: No special procedures required.

Storage Requirements: Store in a cool place.

Section 8 - Exposure Controls / Personal Protection

Ventilation: Good general ventilation should be sufficient.

Respiratory Protection: None

Gloves: Chemical resistant if contact could occur.

Eye protection: Safety goggles or shield.

Other Protective Clothing: Lab coat or overalls.

Limits of Exposure: See product labeling

OSHA: N/A

ACGIH: N/A

OTHER: N/A

Comments: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

Section 9 - Physical and Chemical Properties

Appearance and Odor: See product labeling.

Physical State: Semi-Solid

Water Solubility: Soluble

Other Solubilities:

Odor Threshold: N/A

Vapor Pressure (mm Hg @ 20°C): N/A

Vapor Density (Air=1): N/A

Formula Weight: N/A

Density: Not determined

Specific Gravity (H₂O=1, at 60° C): N/A

pH @ 25° C: Not determined

Boiling Point: Not determined

Freezing Point: Not determined

Melting Point: Not determined

Viscosity: Not determined

Refractive Index: Not determined

Surface Tension: Not determined

% (by volume) Volatile: N/A

Evaporation Rate: N/A

Section 10 - Stability and Reactivity

Stability: Stable from a safety point of view

Hazardous Polymerization: Will not occur.

Chemical Incompatibilities: Strong oxidizing or strong reducing agents

Conditions to Avoid: N/A

Hazardous Decomposition Products: N/A

Section 11 - Toxicological Information

Eye Effects: None Known

Chronic Effects: None Known

Skin Effects: None Known

Acute Inhalation Effects: None Known

Mutagenicity: None Known

Acute Oral Effects: None Known

Teratogenicity: None Known

Carcinogenicity: National Toxicology Program Yes No
I.A.R.C. Monographs Yes No
OSHA Yes No

Section 12 - Ecological Information

Ecotoxicity: Not determined

Environmental Fate: Not determined

Environmental Degradation: Not determined

Soil Absorption/Mobility: Not determined

Section 13 - Disposal Considerations

Disposal: Discard any product, residue, disposable container or liner in full compliance with federal, state, and local regulations. The state and local regulations may differ from federal regulatory requirements, and laws may change or be reinterpreted. This information only applies to the material as manufactured. Processing, use, or contamination may make the information inappropriate, inaccurate, or incomplete. Responsibility for proper waste disposal is with the owner of the waste.

Container Cleaning and Disposal: Dispose of container and unused contents in accordance with federal, state and local regulations.

Section 14 - Transport Information

US Department of Transportation (DOT) Shipping Name:

US DOT	Proper Shipping Name	Not Regulated
	Hazard Class	Not Regulated
	ID Number	Not Regulated
	Packaging Group	Not Regulated
	Technical Shipping Name	Not Regulated

Section 15 - Regulatory Information

EPA Regulations: None known

OSHA Regulations: None known

State Regulations: May vary from state to state.

Section 16 - Other Information

Additional Hazard Rating Systems: None Known

The information contained herein is based on the data available to us and is believed to be correct. However, Smith & Nephew, Inc. makes no warranty, expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof.