

Material Safety Data Sheet

Section 1 - Chemical Product and Company Identification

Product/Chemical Name: *Gladase-C°Papain Urea Chlorophyllin 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
Sodium Copper Chlorophylline	65963-40-8	Proprietary
Purified Water	7732-18-5	Proprietary
Glyceryl Stearate	31566-31-1	Proprietary
PEG-100 Stearate	9004-99-3	
Glycerin, USP	56-81-5	Proprietary
Isopropyl Palmitate	142-91-6	Proprietary
Stearyl Alcohol	112-92-5	Proprietary
Boric Acid	10043-35-3	Proprietary
Methyl Paraben	99-76-3	Proprietary
Sodium Borate	1303-96-4	Proprietary
Propylparaben	94-13-3	Proprietary

Section 3 - Hazards Identification

☆☆☆☆☆ Emergency Overview ☆☆☆☆☆

Potential Health Effects

Primary Entry Routes: Eyes, Skin, Ingestion and Inhalation

Target Organs: N/A

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

Chronic Effects: None Known

HMIS	
H	1
F	0
R	0
PPE	0

Section 4 - First Aid Measures

Eye Exposure: Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention, if irritation persists.

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

Ingestion: If victim is conscious, give large quantities of water. Contact a physician or poison control center immediately for instructions.

Inhalation: Not applicable.

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

Burning Rate: Not determined

Autoignition Temperature: Not determined

LEL (% vol in air): N/A

UEL(% vol in air): N/A

Flammability Classification: Not determined

Extinguishing Media: Water, Foam, Carbon Dioxide, dry chemical suitable for surrounding fire

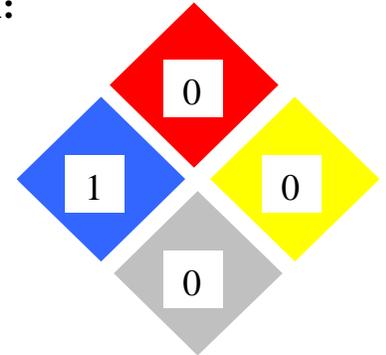
Unusual Fire or Explosion Hazards: None known.

Hazardous Decomposition Materials (Under Fire Conditions): None known

Special Fire-Fighting Procedures: Wear full fire-fighting turn-out gear and respiratory protection.

Do not release runoff from fire control methods to sewers and waterways.

NFPA:



Section 6 - Accidental Release Measures

Spill /Leak Procedures:

Small Spills: Wipe up spills, rinse with water.

Large Spills

Containment: Use sand or vermiculite to absorb spill.

Cleanup: Mop or wipe up spills, place in proper container for disposal. Dispose of materials according to the applicable Federal, State, and local regulations.

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

Section 7 - Handling and Storage

Handling Precautions: Keep container tightly closed.

Storage Requirements: Store in a cool, dry, well-ventilated place

Regulatory Requirements: None known

Section 8 - Exposure Controls / Personal Protection

Exposure Guidelines:

Components:	Exposure Limits		
	ACGIH	NIOSH	OSHA-PELs
Papain	ND	ND	ND
Urea	ND	ND	ND
Sodium Copper Chlorophylline	ND	ND	ND
Purified Water	ND	ND	ND
Glyceryl Stearate PEG-100 Stearate	ND	ND	ND
Glycerin, USP	10mg/m3 TLV	ND	ND
Isopropyl Palmitate	ND	ND	ND
Stearyl Alcohol	ND	ND	ND
Boric Acid	10mg/m3 TLV	ND	5mg/m3 respirable 15mg/m3 total
Methyl Paraben	ND	ND	ND
Sodium Borate	5mg/m3 TLV	ND	10mg/m3 total dust
Propylparaben	ND	ND	ND
	ND	ND	ND

Engineering Controls: Ventilation must be adequate to maintain ambient workplace atmosphere below the exposure limit(s) outlined in the MSDS.

Respiratory Protection: None required for normal use

Eye / Face Protection: None required for normal use.

Skin Protection: None required for normal use

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

Physical State: Semi-solid (ointment)

Appearance and Odor: See product labeling

Vapor Density (Air=1): Not determined

Vapor Pressure: Not determined

Formula Weight: N/A

Density: Not determined

Specific Gravity (H₂O=1, at 25° C): Not determined

pH @ 20°C: Not determined

Water Solubility: Not determined

Other Solubilities: Not determined

Boiling Point: Not determined

Freezing/Melting Point: Not determined

Refractive Index: Not determined

Surface Tension: Not determined

% Volatile: Not determined

Evaporation Rate (nBuAc = 1): Not determined

Section 10 - Stability and Reactivity

Stability: Stable under standard use and storage conditions

Polymerization: Hazardous polymerization will not occur.

Materials / Chemicals to be Avoided: Strong oxidizing and reducing agents.

Conditions to Avoid: None

Hazardous Decomposition Products: None.

Section 11 - Toxicological Information

Toxicity Data:

Acute Oral Toxicity: None known

Acute Dermal Toxicity: None known

Acute Inhalation Toxicity: None known

Acute Oral Effects: None known

Mutagenicity: None

Teratogenicity: None known

Section 12 - Ecological Information

Ecotoxicological Information:

Degradation: Not determined

Accumulation: Not determined

Fish-Toxicity: Not determined

Chemical Fate Information: 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

Federal Regulations: SARA Title III Hazard Classes: None

State Regulations: None

International Regulations: None

EPA Regulations: None known

OSHA Regulations: None known

Section 16 - Other Information

Additional Hazard Rating Systems: None Known

Key Legend Information:

ACGIH – American Conference of Governmental Industrial Hygienists

N/A – Not Applicable

N/E – Not Established

ND – Not Determined

NIOSH – National Institute for Occupational Safety and Health

OSHA – Occupational Safety and Health Administration

PEL – Permissible Exposure Limit

TLV – Threshold Limit Value

TWA – Time Weighted Average

STEL – Short Term Exposure Limit

NTP – National Toxicology Program

IARC – International Agency for Research on Cancer

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.