

# 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

**Manufacturer:** Smith & Nephew, Inc. 11775 Starkey Road Largo, FL 33773-4727 **Phone:** 1 800 876-1261

**Date Reviewed:** October 19, 2004

## 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 ☆☆☆☆☆

| HMIS |   |
|------|---|
| H    | 1 |
| F    | 0 |
| R    | 0 |
| PPE  | 0 |

### 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

## 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

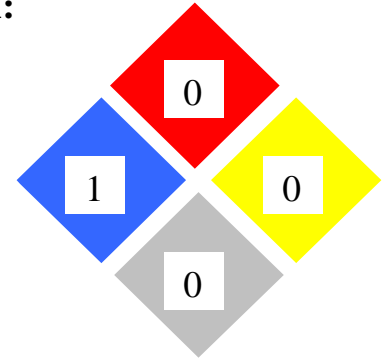
**Unusual Fire or Explosion Hazards:** None known.

**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<br>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<br>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 (H<sub>2</sub>O=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 | <b>Proper Shipping Name</b>    | Not Regulated |
|        | <b>Hazard Class</b>            | Not Regulated |
|        | <b>ID Number</b>               | Not Regulated |
|        | <b>Packaging Group</b>         | Not Regulated |
|        | <b>Technical Shipping Name</b> | 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.**