SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

1.1. Product Identifier
Product Name: Propyl Paraben
CAS No.: 94-13-3
Synonyms: Propyl paraben

1.2. Intended Use of the Product
Use of the substance/mixture: Antimicrobial – cosmetics and personal care products

1.3. Name, Address, and Telephone of the Responsible Party
Company
Acme-Hardesty Co.
450 Sentry Parkway
Blue Bell, PA 19422
T 866-226-3834  T 215-591-3610
www.acme-hardesty.com

1.4. Emergency Telephone Number
Emergency Number: 800-424-9300
For Chemical Emergency, Spill, Leak, Fire, Exposure, or Accident, call CHEMTREC – Day or Night

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture
Comb. Dust

2.2. Label Elements
GHS-US Labeling
Signal Word (GHS-US) : Warning
Hazard Statements (GHS-US) : May form combustible dust concentrations in air

2.3. Other Hazards
No additional information available

2.4. Unknown Acute Toxicity (GHS-US):
No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

<table>
<thead>
<tr>
<th>Name</th>
<th>Product Identifier</th>
<th>%</th>
<th>Classification (GHS-US)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propyl 4-hydroxybenzoate</td>
<td>(CAS No) 94-13-3</td>
<td>100</td>
<td>Comb. Dust</td>
</tr>
</tbody>
</table>

3.2. Mixtures
Not applicable

Full text of H-phrases: see section 16

SECTION 4: FIRST AID MEASURES

4.1. Description of First Aid Measures
First-aid Measures General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid Measures After Inhalation: When symptoms occur: go into open air and ventilate suspected area.
First-aid Measures After Skin Contact: Remove contaminated clothing. Drench affected area with water for at least 15 minutes.
First-aid Measures After Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

First-aid Measures After Ingestion: Rinse mouth. Do NOT induce vomiting.

4.2. Most important symptoms and effects, both acute and delayed
Symptoms/Injuries: Prolonged contact with large amounts of dust may cause mechanical irritation.
Symptoms/Injuries After Inhalation: Dust of the product, if present, may cause respiratory irritation after an excessive inhalation exposure.
Symptoms/Injuries After Skin Contact: Not irritating to skin.
Symptoms/Injuries After Eye Contact: Dust from this product may cause minor eye irritation.
Symptoms/Injuries After Ingestion: May cause nausea, vomiting, and diarrhea.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed
If medical advice is needed, have product container or label at hand.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing Media
Suitable Extinguishing Media: Use extinguishing media appropriate for surrounding fire. Water spray or fog, dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2).
Unsuitable Extinguishing Media: Do not use water jet.

5.2. Special Hazards Arising From the Substance or Mixture
Fire Hazard: Not considered flammable but may burn at high temperatures.
Explosion Hazard: Dust clouds can be explosive.
Reactivity: Stable at ambient temperature and under normal conditions of use.

5.3. Advice for Firefighters
Firefighting Instructions: Exercise caution when fighting any chemical fire.
Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures
General Measures: Handle in accordance with good industrial hygiene and safety practice. Avoid generating dust.

6.1.1. For Non-emergency Personnel
Protective Equipment: Use appropriate personal protection equipment (PPE).

6.1.2. For Emergency Responders
Protective Equipment: Equip cleanup crew with proper protection.
Emergency Procedures: Ventilate area.

6.2. Environmental Precautions
Prevent entry to sewers and public waters. Avoid release to the environment.

6.3. Methods and Material for Containment and Cleaning Up
For Containment: Avoid generation of dust during clean-up of spills. Use a soft bristle brush or conductive rubber or conductive plastic shovel. Use caution, material is sensitive to initiation from sources such as heat, flame, shock, friction, or sparks. Use only non-sparking tools.
Methods for Cleaning Up: Clear up spills immediately and dispose of waste safely.

6.4. Reference to Other Sections
See heading 8, Exposure Controls and Personal Protection.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling
Additional Hazards When Processed: May form combustible dust concentrations in air. Use care during processing to minimize generation of dust.
Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work.

7.2. Conditions for Safe Storage, Including Any Incompatibilities
Storage Conditions: Store in a dry, cool and well-ventilated place. Keep container closed when not in use.
7.3. **Specific End Use(s)** Antimicrobial – cosmetics and personal care products

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1. Control Parameters

No Occupational Exposure Limits (OELs) have been established for this product or its chemical components.

#### 8.2. Exposure Controls

**Appropriate Engineering Controls**

Avoid dust production. Ground/bond container and receiving equipment.

**Personal Protective Equipment**

- **Gloves.** Protective goggles.

**Hand Protection**

- Rubber gloves.

**Eye Protection**

- Chemical goggles or safety glasses.

**Respiratory Protection**

- When manufacturing or handling product in large quantities and dusts or particulates may be generated, maintain airborne concentrations below recommended limits. Workplace risk assessments should be completed before specifying and implementing respirator usage. NIOSH/MSHA approved respirators for protection should be used if respirators are found to be necessary.

**Other Information**

- When using, do not eat, drink or smoke.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1. Information on Basic Physical and Chemical Properties

**Physical State**

- Solid

**Appearance**

- White crystalline powder.

**Odor**

- Odorless.

**Odor Threshold**

- No data available

**pH**

- 3 - 4.5 saturated solution

**Relative Evaporation Rate (butylacetate=1)**

- No data available

**Melting Point**

- 95 - 98 °C (203-208.4°F)

**Freezing Point**

- No data available

**Boiling Point**

- 301 °C (573.8°F)

**Flash Point**

- 185 °C (356°F)

**Auto-ignition Temperature**

- No data available

**Decomposition Temperature**

- No data available

**Flammability (solid, gas)**

- No data available

**Vapor Pressure**

- 7.4E - 05kPa @ 25°C

**Relative Vapor Density at 20 °C**

- No data available

**Relative Density**

- No data available

**Specific Gravity**

- 1.287 g/cm³ @20°C

**Solubility**

- Slightly soluble.
  - Water: 0.04 % @ 25°C

**Log Pow**

- 3.04 QSAR (EPIWIN)

**Log Kow**

- No data available

**Viscosity, Kinematic**

- No data available

**Viscosity, Dynamic**

- No data available

**Explosive Properties**

- No data available

**Oxidizing Properties**

- No data available

**Explosive Limits**

- Not applicable
9.2. Other Information  No additional information available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity: Stable at ambient temperature and under normal conditions of use.
10.2 Chemical Stability: Dust clouds can be explosive.
10.3 Possibility of Hazardous Reactions: Hazardous polymerization will not occur.
10.4 Conditions to Avoid: Sparks, heat, open flame and other sources of ignition. Moisture. Direct sunlight. Avoid creating or spreading dust.
10.6 Hazardous Decomposition Products: Carbon oxides (CO, CO2).

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information On Toxicological Effects
Acute Toxicity  : Not classified

<table>
<thead>
<tr>
<th>Propyl 4-hydroxybenzoate (94-13-3)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 Oral Rat</td>
</tr>
</tbody>
</table>

Skin Corrosion/Irritation: Not classified pH: 3 - 4.5 saturated solution
Serious Eye Damage/Irritation: Not classified pH: 3 - 4.5 saturated solution
Respiratory or Skin Sensitization: Not classified
Germ Cell Mutagenicity: Not classified
Carcinogenicity: Not classified
Reproductive Toxicity: Not classified
Specific Target Organ Toxicity (Single Exposure): Not classified
Specific Target Organ Toxicity (Repeated Exposure): Not classified
Aspiration Hazard: Not classified
Symptoms/Injuries After Inhalation: Dust of the product, if present, may cause respiratory irritation after an excessive inhalation exposure.
Symptoms/Injuries After Skin Contact: Not irritating to skin.
Symptoms/Injuries After Eye Contact: Dust from this product may cause minor eye irritation.
Symptoms/Injuries After Ingestion: May cause nausea, vomiting, and diarrhea.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

<table>
<thead>
<tr>
<th>Propyl 4-hydroxybenzoate (94-13-3)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LCS0 Fish 1</td>
</tr>
<tr>
<td>EC50 Daphnia 1</td>
</tr>
<tr>
<td>NOEC chronic algae</td>
</tr>
</tbody>
</table>

12.2. Persistence and Degradability

<table>
<thead>
<tr>
<th>Propyl Paraben</th>
</tr>
</thead>
<tbody>
<tr>
<td>Persistence and Degradability</td>
</tr>
</tbody>
</table>

12.3. Bioaccumulative Potential

<table>
<thead>
<tr>
<th>Propyl Paraben</th>
</tr>
</thead>
<tbody>
<tr>
<td>Log Pow</td>
</tr>
<tr>
<td>Bioaccumulative Potential</td>
</tr>
</tbody>
</table>

12.4. Mobility in Soil  No additional information available

12.5. Other Adverse Effects
No additional information available
SECTION 13: DISPOSAL CONSIDERATIONS
13.1 Waste treatment methods
Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, and international regulations.

SECTION 14: TRANSPORT INFORMATION
In Accordance With ICAO/IATA/DOT/TDG
14.1 UN Number Not applicable
14.2 UN Proper Shipping Name Not regulated for transport.
14.3 Additional Information
Other information : No supplementary information available.
Transport by Sea Not regulated for transport.
Air Transport Not regulated for transport.

SECTION 15: REGULATORY INFORMATION
15.1 US Federal Regulations
Propyl 4-hydroxybenzoate (94-13-3)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
15.2 US State Regulations
Propyl Paraben()
State or local regulations The product and/or its components does not appear on any state Right to Know lists.
Propyl 4-hydroxybenzoate (94-13-3)
U.S. - Maine - Chemicals of High Concern
U.S. - Minnesota - Chemicals of High Concern

SECTION 16: OTHER INFORMATION
Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.
GHS Full Text Phrases:
<table>
<thead>
<tr>
<th>Comb. Dust</th>
<th>Combustible Dust</th>
</tr>
</thead>
<tbody>
<tr>
<td>May form combustible dust concentrations in air</td>
<td></td>
</tr>
</tbody>
</table>

The data herein are based on our current knowledge and believed to be reliable. Acme-Hardesty Co., provides this information without any representation or warranty, expressed or implied, regarding its accuracy or correctness.

Users must make their own determination that handling, storage, use and disposal of the product in the anticipated manner is safe and appropriate. Because these actions of the user are out of our control, and may be beyond our knowledge, we do not assume responsibility and expressly disclaim liability for loss, damage, expense or any other claim arising out of or in any way connected with the handling, storage, use or disposal of the product or container.

SDS US (GHS HazCom) - US Only