Section 1 Identification

Product identifiers
Product name: TUF-Fil Mahogany

Relevant identified uses of the substance or mixture and uses advised against
Identified uses: Polyester Repair Paste

Details of the supplier of the safety data sheet
Freeman Manufacturing and Supply Company
1101 Moore Road, Avon, OH 44011
Phone (440) 934-1902
FAX (440) 934-7200

24 Hour emergency telephone number: CHEMTREC (800) 424-9300

Section 2 Hazards Identification

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture
Flammable liquids, Category 3
Skin corrosion/irritation, Category 3
Serious eye damage/eye irritation, Category 2
Acute toxicity (Inhalation), Category 4
Reproductive toxicity, Category 2
Carcinogenicity, Category 2
Specific target organ toxicity (repeated exposure), Category 1

GHS Label elements

Signal word Danger

Hazard statements
Flammable liquid and vapor.
Harmful if inhaled.
Suspected of damaging the unborn child.
Suspected of causing cancer.
Causes serious eye irritation.
Causes skin irritation.
May cause respiratory irritation.
Causes damage to organs through prolonged or repeated exposure if inhaled.
Precautionary statements

Prevention
- Keep away from heat, sparks, open flames and hot surfaces. - No smoking.
- Keep container tightly closed.
- Do not breathe fumes or vapors.
- Wash skin thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Use only in a well-ventilated area.
- Wear protective gloves/protective clothing/eye protection/face protection.

Response
- If on skin: Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
- If skin irritation occurs: Get medical advice/attention.
- If inhaled: Remove person to fresh air and call doctor/physician if not feeling well.
- If in eyes: Rinse continuously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. If eye irritation persists: Get medical advice/attention.

Storage
- Store in a well-ventilated place. Keep cool. Keep container tightly closed.

Disposal
- Dispose of contents and container in accordance with all local, regional, national and international regulations.

Hazards not otherwise classified (HNOC) or not covered by GHS
- None known

Section 3 Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Ingredient Name</th>
<th>CAS Number</th>
<th>Concentration (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyester polymer</td>
<td>Proprietary</td>
<td>10-30</td>
</tr>
<tr>
<td>Styrene monomer</td>
<td>100-42-5</td>
<td>10-30</td>
</tr>
<tr>
<td>Talc</td>
<td>14807-96-6</td>
<td>10-30</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>13463-67-7</td>
<td>1-5</td>
</tr>
<tr>
<td>N,N-Dimethylaniline</td>
<td>121-69-7</td>
<td>&lt;0.5</td>
</tr>
<tr>
<td>Quartz silica</td>
<td>14808-60-7</td>
<td>&lt;0.5</td>
</tr>
</tbody>
</table>

Section 4 First-Aid Measures

Description of first aid measures

If inhaled
- Move the victim to a safe area as soon as possible. If feeling unwell, get medical attention.

In case of skin contact
- Immediately flush skin with plenty of water. Remove contaminated clothing and shoes. If irritation persists, seek medical attention. Wash contaminated clothing before reuse.

In case of eye contact
- Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Immediately get medical attention.

If swallowed
- Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. If feeling unwell, get medical attention.
### Section 4 First-Aid Measures continued

**Most important symptoms and effects, both acute and delayed**
See Section 2 and/or in Section 11.

**Indication of any immediate medical attention and special treatment needed**
See toxicological information in Section 11.

Notes to physician: Treat symptomatically.

### Section 5 Fire-Fighting Measures

**Suitable extinguishing media**
Use dry chemical, carbon dioxide, water spray (fog), or alcohol-resistant foam.

**Unsuitable extinguishing media**
Do not use water jet.

**Special hazards arising from the substance or mixture**
In a fire or if heated, a pressure increase may occur and the container may burst, with the risk of a subsequent explosion.

**Hazardous thermal decomposition products**
During combustion, decomposition products may include: carbon dioxide, carbon monoxide, sulfur oxides, halogenated compounds, metal oxide/oxides

**Special protective equipment for fire-fighters**
Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Water may not effectively extinguish fire; however, it should be used to keep fire-exposed containers and surfaces cool and prevent explosive rupture.

### Section 6 Accidental Release Measures

**Personal precautions, protective equipment and emergency procedures**
Avoid breathing vapors, mist or gas.
For personal protection see Section 8.

**Environmental precautions**
Do not let product enter drains.

**Methods and materials for containment and cleaning up**
Sweep up and shovel into suitable containers. Keep tightly closed.
Dispose of via a licensed waste disposal contractor.

### Section 7 Handling and Storage

**Precautions for safe handling**
Use normal precautions when handling flammable materials. Do not breathe fumes or vapor. Do not allow material to contact skin. Provide appropriate exhaust ventilation.

**Conditions for safe storage, including any incompatibilities**
Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from food and drink. Eliminate all ignition sources. Segregate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.
Section 8 Exposure Controls/Personal Protection

Components with occupational exposure limits

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>OSHA</th>
<th>ACGIH</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>PEL</td>
<td>STEL</td>
</tr>
<tr>
<td>Styrene monomer</td>
<td>50 ppm</td>
<td>100 ppm</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>15 mg/m³ (total dust)</td>
<td>15 mg/m³</td>
</tr>
<tr>
<td>Talc</td>
<td>2 mg/m³ (respirable fraction)</td>
<td>Not established</td>
</tr>
<tr>
<td>N,N-Dimethylaniline</td>
<td>5 ppm (skin)</td>
<td>Not established</td>
</tr>
</tbody>
</table>

Appropriate engineering controls

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of mists and/or vapors below the recommended exposure limits. An eye wash station and safety shower should be located near the workstation.

Personal protective equipment

Eye/face protection

Use safety eyewear complying with an approved standard when a risk assessment indicates this is necessary. Vented goggles are recommended.

Hand Protection

Use disposable gloves to prevent skin contact. Contaminated gloves should be replaced.

Body Protection

Prevent skin contact when handling material.

Respiratory Protection

The need for respiratory protection is not anticipated under normal use conditions and with adequate ventilation. If elevated airborne concentrations above applicable workplace exposure levels are anticipated, use a properly fitted, air-purifying or air-fed respirator complying with an approved standard.

General Hygienic Practices

Avoid breathing vapor or mist. Avoid contamination of food, beverages, or smoking materials. Wash thoroughly after handling, and before eating, drinking or smoking. Remove contaminated clothing promptly and clean thoroughly before reuse.

Section 9 Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Reddish-brown paste</td>
</tr>
<tr>
<td>Odor</td>
<td>Styrene</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting Point</td>
<td>No data available</td>
</tr>
<tr>
<td>VOC Content</td>
<td>1.20 lb./gallon</td>
</tr>
<tr>
<td>Initial boiling point &amp; boiling range</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash Point</td>
<td>35°C (95°F)</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>Upper/lower flammability</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>No data available</td>
</tr>
</tbody>
</table>
## Section 9 Physical and Chemical Properties continued

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vapor density</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density (g/cc)</td>
<td>1.7±0.05</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>Negligible</td>
</tr>
<tr>
<td>Coefficient: n-octanol/water</td>
<td>No data available</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>No data available</td>
</tr>
<tr>
<td>% Volatile</td>
<td>10-15%</td>
</tr>
</tbody>
</table>

## Section 10 Stability and Reactivity

### Reactivity
No data available

### Chemical stability
Stable under recommended storage conditions

### Possibility of hazardous reactions
Under normal conditions of storage and use, hazardous reactions will not occur.

### Conditions to avoid
Avoid all possible sources of ignition.

### Incompatible materials
Oxidizing agents

### Hazardous decomposition products
Thermal oxidative decomposition can produce carbon monoxide and carbon dioxide.

## Section 11 Toxicological Information

### Information on toxicological effects
No data available

### Acute toxicity of product

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>LD50 Oral</th>
<th>LC50 Inhalation</th>
<th>LD50 Dermal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Styrene</td>
<td>Rat</td>
<td>Rat</td>
<td>Rat</td>
</tr>
<tr>
<td>LD50 Oral</td>
<td>2,650 mg/kg</td>
<td>12,000 mg/m³</td>
<td>&gt;2,000 mg/kg</td>
</tr>
<tr>
<td>LC50 Inhalation</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50 Dermal</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>LD50 Oral</th>
<th>LC50 Inhalation</th>
<th>LD50 Dermal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium dioxide</td>
<td>Rat</td>
<td>Rat</td>
<td>Rabbit</td>
</tr>
<tr>
<td>LD50 Oral</td>
<td>&gt;5,000 mg/kg</td>
<td>&gt;6.82 mg/l</td>
<td>&gt;10,000 mg/kg</td>
</tr>
<tr>
<td>LC50 Inhalation</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50 Dermal</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>N,N-Dimethylaniline</td>
<td>LD50 Dermal</td>
<td>Rabbit</td>
<td>Rat</td>
</tr>
<tr>
<td>LD50 Oral</td>
<td>1,770 mg/kg</td>
<td></td>
<td>1,120 mg/kg</td>
</tr>
</tbody>
</table>

### Skin corrosion/irritation
Mild skin irritant

### Serious eye damage/eye irritation
Mild eye irritant

### Respiratory or skin sensitization
May cause sensitization

### Germ cell mutagenicity
No data available

### Carcinogenicity

- **IARC:**
  - Group 1: Carcinogenic to humans (Quartz silica)
  - Group 2B: Possibly carcinogenic to humans (Styrene).
  - Group 2B: Possibly carcinogenic to humans (Titanium Dioxide).

- **NTP:**
  - Known Human Carcinogen (Quartz silica)

- **OSHA:**
  - Reasonably Anticipated to be a Human Carcinogen (Styrene).

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
Section 11 Toxicological Information continued

<table>
<thead>
<tr>
<th>Reproductive toxicity</th>
<th>Suspected of damaging fertility or the unborn child</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specific target organ toxicity</td>
<td>Possible respiratory tract irritation</td>
</tr>
<tr>
<td>- single exposure</td>
<td></td>
</tr>
<tr>
<td>Specific target organ toxicity</td>
<td>A study of long term effects of workers exposed to styrene levels in the range of 25-35 ppm, 8 hour TWA, indicated a possible mild hearing loss.</td>
</tr>
<tr>
<td>- repeated exposure</td>
<td></td>
</tr>
<tr>
<td>Aspiration hazard</td>
<td>No known effect</td>
</tr>
</tbody>
</table>

Section 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 & vPvB assessment | No data available |

Section 13 Disposal Considerations

Use safety containers for disposal. Contact a licensed contractor for detailed recommendations. Follow applicable Federal, State, and local regulations.

Section 14 Transport Information

DOT

Shipping Name: Polyester Resin Kit
Hazard Class: 3
ID No.: UN 3269
Packing Group: III
Label: Consumer Commodity
ORM-D (gal.)
Flammable Class 3 (3 gal.)

Section 15 Regulatory Information

Inventories
United States TSCA Inventory Status: All ingredients are listed or exempted.

US Federal Regulations
RCRA Hazardous Waste Number (40 CFR 261.33): Not listed
RCRA Hazardous Waste Classification (40 CFR 261): Not classified
SARA 311/312 Codes: Chronic Health Hazard, Fire Hazard

US State Regulations
California Prop 65: WARNING: This product can expose you to chemicals including Styrene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.
### Section 16 Other Information

**Disclaimer**

The following supersedes Buyer’s documents. SELLER MAKES NO REPRESENTATION OR WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. No statements herein are to be construed as inducements to infringe any relevant patent. Under no circumstances shall Seller be liable for incidental, consequential or indirect damages for alleged negligence, breach of warranty, strict of liability arising in connection with the product(s). Buyer’s sole remedy and Seller’s sole liability for any claims shall be Buyer’s purchase price. Data and results are based on controlled lab work and must be confirmed by Buyer by testing for its intended conditions of use. The product(s) has not been tested for, and is therefore not recommended for, uses for which prolonged contact with mucous membranes, abraded skin, or blood is intended; or for uses for which implantation within the human body is intended.
Section 1 Chemical Product and Company Identification

Product identifier

Product name: Freeman Cream Hardener

Relevant identified uses of the substance or mixture and uses advised against

Identified uses: For Freeman TU Line of Repair & Build-Up Materials

Details of the supplier of the safety data sheet

Freeman Manufacturing and Supply Company
1101 Moore Road, Avon, OH 44011
Telephone (440) 934-1902

24 Hour emergency telephone number: CHEMTREC (800) 424-9300

Section 2 Hazard Identification

Classification of the substance or mixture

Organic peroxides, Type E
Serious eye damage/eye irritation, Category 2
Skin sensitization, Category 1

GHS Label elements, including precautionary statements

Signal word  Warning

Hazard statements

Heating may cause a fire
Causes serious eye irritation
May cause an allergic skin reaction

Precautionary statements

Prevention
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Keep only in original container.
Keep container tightly closed when not in use.
Avoid breathing fumes or vapors.
Wash face, hands and any exposed skin thoroughly after handling.
Contaminated work clothing should not be allowed out of the workplace.
Keep/Store away from clothing/ combustible materials.
Wear protective gloves/protective clothing/eye protection/face protection.

Response
Get medical advice/attention if you feel unwell.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Section 2 Hazard Identification continued

IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
IF INHALED: Call a POISON CENTER or doctor if you feel unwell.
IF SWALLOWED: Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.

Storage
Store at temperatures not exceeding 38°C / 100°F.
Keep cool. Protect from sunlight. Store away from other materials.

Disposal
Dispose of contents and containers in accordance with local and national regulations.

Hazards not otherwise classified (HNOC) or not covered by GHS
None

Section 3 Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Hazardous Ingredient</th>
<th>CAS Number</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzoyl Peroxide</td>
<td>94-36-0</td>
<td>25 - 50</td>
</tr>
<tr>
<td>Isodecyl benzoate</td>
<td>131298-44-7</td>
<td>10 - 25</td>
</tr>
</tbody>
</table>

Section 4 First-Aid Measures

General advice
Get medical advice/attention if you feel unwell.

Eye contact
Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Skin Contact
Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

Inhalation
Call a POISON CENTER or doctor if you feel unwell.

Ingestion
Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.

Most important symptoms and effects, both acute and delayed
No information available.

Indication of any immediate medical attention and special treatment needed
Note to physicians: Treat symptomatically.

Section 5 Fire-Fighting Measures

Extinguishing media
Suitable extinguishing media: Dry chemical, carbon dioxide, water spray or alcohol-resistant foam.

Unsuitable extinguishing media: Strong water jet
Section 5 Fire-Fighting Measures

Special hazards arising from the substance or mixture
Burning produces heavy smoke. Fire may produce irritating and/or toxic gases.
In the event of fire and/or explosion do not breathe fumes.

Special protective equipment and precautions for firefighters
Wear self-contained breathing apparatus and protective suit.
Cool containers with flooding quantities of water until well after fire is out.
Do not allow run-off from fire-fighting to enter drains or water courses.

Section 6 Accidental Release Measures

Personal precautions, protective equipment and emergency procedures
Avoid breathing vapors or mists. Use personal protective equipment as required.
Avoid contact with skin, eyes or clothing.

Environmental precautions
Do not allow into any sewer, on the ground or into any body of water. If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations. Prevent further leakage or spillage if safe to do so. Local authorities should be advised if significant spillages cannot be contained.

Methods and materials for containment and cleaning up
Prevent further leakage or spillage if safe to do so. Clean contaminated surface thoroughly. Clean with detergents. Avoid solvent cleaners. Take up mechanically. Collect spillage with an electrically protected vacuum cleaner or by wet-brushing. Place in appropriate labeled containers for disposal. Dispose of waste product or used containers according to applicable laws and regulations.

Section 7 Handling and Storage

Advice on safe handling
Use personal protection recommended in Section 8. Comply with the health and safety at work laws. Prevent product from entering drains. Use only with adequate ventilation. Do not breathe fumes or vapors. No smoking. Keep away from food and drink.

Conditions for safe storage
Keep/store only in original container. Store in accordance with local regulations. Keep unauthorized personnel away. Containers that have been opened must be carefully resealed to prevent leakage. Keep container tightly closed in a dry and well-ventilated place.

Incompatible materials
Strong oxidizing agents. Acids.

Section 8 Exposure Controls/Personal Protection

Components with workplace control parameters

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzoyl Peroxide 94-36-0</td>
<td>TWA: 5 mg/m3</td>
<td>TWA: 5 mg/m3</td>
<td>IDLH: 1500 mg/m3 TWA: 5 mg/m3</td>
</tr>
</tbody>
</table>
Appropriate engineering controls
Ensure adequate ventilation, especially in confined areas. Provide local exhaust ventilation. In case of insufficient ventilation, wear suitable respiratory equipment.

Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection
Wear tight sealing safety goggles when handling this product.

Skin and body protection
Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate to prevent skin contact.

Hand protection
Wear protective gloves. There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed. Gloves should be replaced regularly and if there is any sign of damage to the glove material. Always ensure that gloves are free from defects and that they are stored and used correctly. The performance or effectiveness of the glove may be reduced by physical / chemical damage and poor maintenance.

Respiratory protection
In case of inadequate ventilation wear respiratory protection.

General Hygienic Practices
Do not smoke. Keep away from food and drink. Avoid contact with skin, eyes and clothing. Change working clothes after each work shift. Remove and wash contaminated clothing and gloves, including the inside, before re-use.

Section 9 Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>White paste</td>
</tr>
<tr>
<td>Odor</td>
<td>No data available</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting/freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Initial boiling point</td>
<td>No data available</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash Point</td>
<td>201°F (94°C)</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>Upper/lower flammability</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapor density</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density (g/cc)</td>
<td>1.2 ± 0.05</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>No data available</td>
</tr>
<tr>
<td>Coefficient: n-octanol/ water</td>
<td>No data available</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
</tbody>
</table>
Section 10 Stability and Reactivity

Reactivity
No information available.

Chemical stability
Stable under normal conditions.

Possibility of hazardous reactions
None under normal processing.

Hazardous polymerization
None under normal processing.

Conditions to avoid
Heat, flames and sparks.

Incompatible materials
Strong oxidizing agents. Acids.

Hazardous decomposition products
Carbon monoxide and carbon dioxide.

Section 11 Toxicological Information

Information on likely routes of exposure and symptoms of exposure

Eye Contact
Causes serious eye irritation.

Skin Contact
May cause an allergic skin reaction

Inhalation
Not a primary route of entry.

Skin Absorption
Not a primary route of entry.

Ingestion
Not a primary route of entry.

Potential health effects from short and long-term exposure

Skin corrosion/irritation
Not applicable

Serious eye damage/eye irritation
Causes serious eye irritation

Skin sensitization
May cause an allergic skin reaction

Respiratory sensitization
Not applicable

Germ cell mutagenicity
Not applicable

Carcinogenicity
Not applicable

Reproductive Toxicity
Not applicable

Specific target organ toxicity

(single exposure)
Not applicable

Specific target organ toxicity

(repeated exposure)
Not applicable

Aspiration hazard
Not applicable

Toxicological data

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzoyl Peroxide 94-36-0</td>
<td>7710 mg/kg (Rat)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Isodecyl benzoate 131298-44-7</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

Unknown acute toxicity
0% of the mixture consists of ingredients of unknown toxicity.
Section 12 Ecological Information

Ecotoxicity
- **Environmental precautions**: Prevent product from entering drains.
- **Marine pollutant**: This material meets the definition of a marine pollutant.

Persistence and degradability
- **No data available**

Bioaccumulative potential
- **No data available**

Mobility in soil
- **No data available**

Results of PBT & vPvB assessment
- PBT and vPvB assessment has not been carried out

Section 13 Disposal Considerations

Contact a licensed disposal contractor for detailed recommendations. Dispose of wastes in accordance with applicable local, regional, national, and/or international laws and regulations. Contaminated packaging must be scrapped or reconditioned. Improper disposal or reuse of contaminated packaging may be dangerous and illegal.

Section 14 Transport Information

DOT/IMDG/IATA
- **UN/ID No.**: UN3108
- **Proper Shipping Name**: Organic Peroxide, Type E, Solid
  - Dibenzoyl Peroxide
- **Hazard Class**: 5.2
- **Packing Group**: II

Environmental hazard: Yes
- **Marine pollutant**: This material meets the definition of a marine pollutant
- **Marine pollutant**: Dibenzoyl peroxide, Zinc stearate

Special Provisions
- Emergency Response Guide: 122, 274
- EmS-No: A20, A802
- Number: F-J, S-R
  - 145

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
- No information available

The supplier may apply one of the following exceptions: Combustible Liquid (49 CFR 173.150(f)); Consumer Commodity (49 CFR 173.150(c), ICAO/IATA SP A112); Limited Quantity (49 CFR 173.150(b), ICAO Part 3 Chapter 4, IATA 2.7, IMDG Chapter 3.4); Viscous Liquid (49 CFR 173.121(b), IMDG 2.3.2.2, IATA 3.3.3.1.1, ICAO 3.2.2, ADR 2.2.3.1.5); Does Not Sustain Combustion (49 CFR 173.120(a), IATA 3.3.1.3, ICAO 3.1.3, IMDG 2.3.1.3, ADR 2.2.3.1.1 Note 1); or others as allowed under hazardous materials/dangerous goods regulations.
## Section 15 Regulatory Information

### International Inventories
- **TSCA** - United States Toxic Substance Control Act Section 8(b) Inventory: All components are listed or exempt from listing.
- **DSL** - Canadian Domestic Substance List: All components are listed or exempt from listing.

### US Federal Regulations
- **SARA 313**:
  - Benzoyl Peroxide (94-36-0) 25–50%
  - Zinc Stearate (557-05-1) 5–10%
- **SARA 311/312**: Acute Health Hazard, Chronic Health Hazard, Reactive Hazard

### US State Right-to-Know Regulations
- **California Proposition 65**: This product is not known to contain any components for which the State of California has found to cause cancer, birth defects or other reproductive harm.
- **Other US State Right-to-Know Regulations**: Benzoyl Peroxide (94-36-0), Isodecyl benzoate (131298-44-7), Zinc Stearate (557-05-1), Calcium sulfate (7778-18-9)

## Section 16 Other Information

### Disclaimer
The following supersedes Buyer’s documents. SELLER MAKES NO REPRESENTATION OR WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. No statements herein are to be construed as inducements to infringe any relevant patent. Under no circumstances shall Seller be liable for incidental, consequential or indirect damages for alleged negligence, breach of warranty, strict of liability arising in connection with the product(s). Buyer’s sole remedy and Seller’s sole liability for any claims shall be Buyer's purchase price. Data and results are based on controlled lab work and must be confirmed by Buyer by testing for its intended conditions of use. The product(s) has not been tested for, and is therefore not recommended for, uses for which prolonged contact with mucous membranes, abraded skin, or blood is intended; or for uses for which implantation within the human body is intended.