1: Product and Manufacturer Identification

Product Name: Crepe rubber bands (70% of rubber)
Product Code / Other Names: Rubber
Material Uses: Rubber bands
Manufacturer Name: LIANG HAH HENG INTERNATIONAL RUBBER CO. LTD
Street Address: 60/14 MOO 6, EKACHAI RD, BANGBON KWET, BANGBON KWENG
City, State, Province: BANGKOK
Country & Post Code: THAILAND 10150

Emergency Contacts: MS. JJ EIAMVERAWONG
Phone: +66 81 610 9818
E-mail address: lhh@loxinfo.co.th

2: Hazard(s) Identification

Physical State: Solid
Odor: Rubber odor
WHMIS Status (Canada): Void
Hazard Statements or Symbols: Void
OSHA/HCS Status (USA): Void
Hazard Statements or Symbols: Void
Emergency Overview: Void
Possible Routes of Entry: Void

Potential Acute Health Effects

- Inhalation: No effect
- Ingestion: No effect
- Skin Contact: No effect
- Eye Contact: No effect

Potential Chronic Health Effects

- Chronic Effects: No effect
- Carcinogenicity: No effect
- Mutagenicity: No effect
- Teratogenicity: No effect
- Developmental Effects: No effect
- Fertility Effects: No effect

Medical conditions aggravated by: Void
Additional hazards not otherwise classified: Void

3: Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>Ingredient Name or Description</th>
<th>CAS Number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Natural Rubber</td>
<td></td>
<td>59.44%</td>
</tr>
<tr>
<td>Rubber Oil</td>
<td>64741-88-4</td>
<td>8.32%</td>
</tr>
<tr>
<td>Calcium Carbonate</td>
<td>1317-65-3</td>
<td>29.72%</td>
</tr>
<tr>
<td>Zinc Oxide</td>
<td>1314-13-2</td>
<td>0.74%</td>
</tr>
<tr>
<td>Steric Acid</td>
<td>57-11-4</td>
<td>0.59%</td>
</tr>
<tr>
<td>Accelerator – 2 types</td>
<td></td>
<td>0.48%</td>
</tr>
<tr>
<td>- MBT (2-Mercaptobenzothiazole)</td>
<td>120-78-5</td>
<td></td>
</tr>
<tr>
<td>- TMTD (Tetramethylthiuram Disulfide)</td>
<td>137-26-8</td>
<td></td>
</tr>
<tr>
<td>Sulphur</td>
<td>7704-34-9</td>
<td>0.71%</td>
</tr>
</tbody>
</table>

Additional Composition Details: Void

4: First-aid Measures

- Eye Contact: In the event of eye contact with fumes, immediately flush with plenty of water.
- Skin Contact: Skin contact with hot compound or decomposition products, immediately rinse skin with cold water, and wash off with soap and water.
- Inhalation: Remove to fresh air if exposed to fumes, decomposition products or high temperature emitted from the rubber.

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SAFETY DATA SHEET (SDS)
Crepe rubber bands (70% of rubber)

Ingestion: In case it is swallowed accidentally, seek medical advice immediately.
Protection for First-aid Providers:
Notes to Physician: No further relevant information available.

5: Fire-fighting Measures

Extinguishing Media/Methods
- Suitable: Foam, Dry chemical
- Not Suitable:

Special Exposure Hazards: Natural rubber compounds are combustible and generate COx, and complex fumes derived from the decomposition products of organic accelerators.

Products of Combustion: COx and complex fumes

Special Protective Equipment Needed for Fire-fighters: Wear a self-contained breathing apparatus with full-face piece operated in pressure demand or positive pressure mode, and protective suit.

Special Remarks on Fire Hazards: Rubber fire is difficult to extinguish since the heat may soften the rubber and burning material liquefies and may spread fire. Some rubber compounds are lighter than water so that burning material may float on available water.

Special Remarks on Explosion Hazards:

6: Accidental Release Measures

Personal Precautions: Wear protective clothing.
Protective Equipment: Wear protective clothing.
Environmental Precautions: Solid products unlikely accidental release.

Cleaning / Containing
- Small Spill: Not applicable
- Large Spill: Not applicable

7: Handling and Storage

Safe Handling Precautions: No special measure required. Ensure good ventilation at the workplace.
Safe Storage Precautions: Store in cool and dry place and avoid direct sunlight. Store away from sources of heat or ignition.

8: Exposure Controls/Personal Protection

<table>
<thead>
<tr>
<th>Ingredient Name/Description</th>
<th>Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>

Recommended Monitoring Procedures: None
Engineering Measures: None
Hygiene Measures: None

Personal Protection
- Respiratory: Not required for final product.
- Hands: Not required for final product.
- Eyes: Not required for final product.
- Skin: Not required for final product.
- Environmental Exposure Controls: Not required for final product.

9: Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Physical State</th>
<th>Solid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash Point (°C and °F)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Auto-ignition Temperature (°C and °F)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Flammable Limits</td>
<td>Flammability</td>
</tr>
<tr>
<td>Color</td>
<td>Amber</td>
</tr>
<tr>
<td>Odor</td>
<td>Rubber odor</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Not determined</td>
</tr>
<tr>
<td>pH</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Boiling/Condensing Point (°C and °F)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Melting/Freezing Point (°C and °F)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Relative Density</td>
<td>1.2</td>
</tr>
</tbody>
</table>
SAFETY DATA SHEET (SDS)
Crepe rubber bands (70% of rubber)

Vapor Pressure : Not applicable
Vapor Density : Not applicable
Volatility : Not applicable
Evaporation Rate : Not applicable
Viscosity : Not applicable
Pour Point (°C and °F) : Not applicable
Solubility : Not applicable

10: Stability and Reactivity
Chemical Stability : Product is stable in cool well ventilated conditions.
Hazardous Polymerization : N/A
Materials to Avoid : It is generally stable up to temperatures of 70 °C in continuous use. After prolonged heating above these temperatures, it will start to decompose, emitting fumes and vapors around 300 °C.

Hazardous Decomposition Products : Decomposition fumes and vapors may be toxic and flammable.

11: Toxicological Information
Acute Toxicity

<table>
<thead>
<tr>
<th>Product/Ingredient Name</th>
<th>Result</th>
<th>Species</th>
<th>Dose</th>
<th>Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>

Chronic Toxicity
Conclusion/Summary : Toxicological data have not been determined specifically for this product.

Irritation/Corrosion
Conclusion/Summary : No irritant effect.

Sensitizer
Conclusion/Summary : None expected

Carcinogenicity
Conclusion/Summary : None expected

Classification

<table>
<thead>
<tr>
<th>Product/Ingredient Name</th>
<th>ACGIH</th>
<th>IARC</th>
<th>EPA</th>
<th>NIOSH</th>
<th>NTP</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>

Mutagenicity
Conclusion/Summary : None expected

Teratogenicity
Conclusion/Summary : None expected

Reproductive Toxicity
Conclusion/Summary : None expected

12: Ecological Information*
Environmental Effects

Aquatic Ecotoxicity
Conclusion/Summary : N/A

Biodegradability
Conclusion/Summary : N/A

Other Adverse Effects : N/A

13: Disposal Considerations*
Waste Disposal : Recycle, if possible, otherwise dispose of product in accordance with regulations.
Additional References/Details : N/A

14: Transport Information*

<table>
<thead>
<tr>
<th>Regulatory Information</th>
<th>UN #</th>
<th>Proper Shipping Name</th>
<th>Classes</th>
<th>PG</th>
<th>Label</th>
<th>Additional Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>TDG Classification</td>
<td>Not allocated</td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>DOT Classification</td>
<td>Not allocated</td>
<td></td>
<td></td>
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</tbody>
</table>

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### 15: Regulatory Information*

**United States**

- **HCS Classification**: None of the ingredient is listed.

**Canada**

- **WHMIS Classification**: None of the ingredient is listed.

**International Regulations**

- **Canada Inventory**: None of the ingredient is listed.
- **United States Inventory (TSCA 8b)**: None of the ingredient is listed.
- **Europe Inventory**: None of the ingredient is listed.

**Additional Regulatory Statements**: N/A

### 16: Other Information

- **Hazardous Material Information System (United States)**: N/A
- **National Fire Protection Association (United States)**: N/A
- **Additional References**: N/A
- **Date of Original Issue**: 10th Mar. 2015
- **Date of Current Revision**: 23th Mar. 2015
- **Name of Responsible Party**: LHH
- **Contact for Copies of SDS**: N/A
- **Additional Comments/Notices**: N/A