



SAFETY DATA SHEET

Acc. to OSHA HCS

SDS DATE: 06/02/2015

SECTION 1: IDENTIFICATION

- **Product identifier:**
 - **Trade name:** Crepe rubber bands (75% of rubber)
- **Relevant identified uses of the substance or mixture and uses advised against:** Currently no such application are identified.
- **Application of the substance / the mixture:** Rubber bands
- **Details of the supplier of the safety data sheet:**
 - **Manufacturer/supplier:**
LIANG HAH HENG INTERNATIONAL RUBBER CO. LTD
60/14 MOO 6, EKACHAI RD, BANGBON KHET, BANGBON KWENG, BANGKOK 10150, THAILAND
Phone: +66 2 415 9006, +66 2 425 2623
Fax +66 2 415 1815
E-mail address: lhh@loxinfo.co.th
 - **Information department:**
MR. SUPHOTE EIAMVERAWONG
E-mail address: lhh@loxinfo.co.th
 - **Emergency telephone number:**
MS. JJ EIAMVERAWONG
Phone: +66 81 610 9818
E-mail address: lhh@loxinfo.co.th

SECTION 2: HAZARDS IDENTIFICATION

- **Classification of the substance or mixture:** The product is not classified according to the Globally Harmonized System (GHS).
- **GHS label elements:** Void
- **Hazard pictograms:** Void
- **Signal word:** Void
- **Hazard statements:** Void
- **Other hazards:**
 - **Results of PBT and vPvB assessment:**
 - PBT: Not applicable
 - vPvB: Not applicable

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

- **Chemical characterization:** Mixtures
Mixture of the following substances, containing non-hazardous substances.
- **Description:** Mixture of the substances listed below with non-hazardous additions.
Ingredients: Ratio of Rubber:Filler = 75:25

<u>COMMON NAME</u>	<u>CAS NO.</u>	<u>% WT</u>	<u>% VOL</u>
Natural Rubber		N/A	67%
Rubber Oil	64741-88-4	N/A	6.7%
Calcium Carbonate	1317-65-3	N/A	23.45%
Zinc Oxide	1314-13-2	N/A	0.84%
Steric Acid	57-11-4	N/A	0.67%
Accelerator – 2 types		N/A	0.54%
- MBT (2-Mercaptobenzothiazole)	120-78-5		
- TMTD (Tetramethylthiuram Disulfide)	137-26-8		
Sulphur	7704-34-9	N/A	0.80%

- **Dangerous components:** Void

SECTION 4: FIRST-AID MEASURES

- **General information:** No special measure required.
- **After inhalation:** Remove to fresh air if exposed to fumes, decomposition products or high temperature emitted vapors. Seek medical treatment in case of extreme exposure.
- **After skin contact:** Skin contact with hot compound or decomposition products, immediately rinse skin with cold water, and wash off with soap and water.
- **After eye contact:** In the event of eye contact with fumes, immediately flush with plenty of water.
- **After swallowing:** In case it is swallowed accidentally, seek medical advice immediately.
- **Information for doctor:**
 - **Most important symptoms and effects, both acute and delayed:** No further relevant information available.
 - **Indication of any immediate medical attention and special treatment needed:** No further relevant information available.



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SECTION 5: FIRE-FIGHTING MEASURES

- **Extinguishing media:** Foam, Dry chemical
- **Special hazards arising from the substance or mixture:** Natural rubber compounds are combustible and generate CO_x, and complex fumes derived from the decomposition products of organic accelerators.
- **Advice for firefighters:** 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.
- **Protective equipment for firefighters:** Wear a self-contained breathing apparatus with full-face piece operated in pressure demand or positive pressure mode, and protective suit.

SECTION 6: ACCIDENTAL RELEASE MEASURES

- **Personal precautions and protective equipment:** Wear protective clothing.
- **Emergency procedures:** Solid products unlikely accidental release.
- **Methods and materials for containment and cleaning up:** Sweep up material and dispose of appropriately.

SECTION 7: HANDLING AND STORAGE

- **Handling:**
 - **Precautions for safe handling:** No special measure required. Ensure good ventilation at the workplace.
 - **Information about protection against explosion and fires:** No special measure required.
- **Storage:**
 - **Conditions for safe storage:** Store in cool and dry place and avoid direct sunlight. Store away from sources of heat or ignition.
 - **Specific storage requirements:** No special requirement required.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- **Occupational exposure:** None established.
- **Engineering control measures:** None
- **Personal protective equipment:** Not required for final product.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

- | | |
|--|----------------|
| • Appearance: | Solid |
| • Color: | Amber |
| • Odor: | Rubber odor |
| • Odor threshold: | Not determined |
| • pH: | Not applicable |
| • Melting point/Freezing point: | Not applicable |
| • Boiling point: | Not applicable |
| • Flash point: | Not applicable |
| • Evaporation rate: | Not applicable |
| • Flammability: | Flammability |
| • Upper/lower flammability or explosive limits: | Not applicable |
| • Vapor pressure: | Not applicable |
| • Vapor density: | Not applicable |
| • Specific gravity: | 1.15 |
| • Solubility(ies): | Not applicable |
| • Auto-ignition temperature: | Not applicable |
| • Decomposition temperature: | > 300 °C |
| • Viscosity: | Not applicable |

SECTION 10: STABILITY AND REACTIVITY

- **Chemical stability:** Product is stable in cool well ventilated conditions.
- **Conditions 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.
- **Incompatible materials:** Not available
- **Hazardous reactions:** Not available
- **Hazardous decomposition products:** Decomposition fumes and vapors may be toxic and flammable.



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SECTION 11: TOXICOLOGICAL INFORMATION

- **Toxicological information:** Toxicological data have not been determined specifically for this product.
- **Primary irritant effect:**
 - **Skin irritation:** No irritant effect.
 - **Eye irritation:** No irritant effect.
- **Skin sensitization:** None expected

SECTION 12: ECOLOGICAL INFORMATION

- **Ecotoxicity:** Not available
- **Persistence and degradability:** Not available
- **Mobility:** Not available

SECTION 13: DISPOSAL CONSIDERATIONS

- **Waste disposal method:** Recycle, if possible, otherwise dispose of product in accordance with regulations.

SECTION 14: TRANSPORT INFORMATION

- **UN number:** Not allocated
- **UN proper shipping name:** Not allocated
- **Class and subsidiary risk:** Not allocated
- **Packing group:** Not allocated
- **Special precautions for user:** Not determined
- **Hazchem Code:** Not allocated
- Not classified for US Department of Transportation, International Air Transport Association or International Maritime Dangerous Goods Code.

SECTION 15: REGULATORY INFORMATION

- **Safety, health and environmental regulations/legislations specific for the substance or mixture:** None of the ingredient is listed.

SECTION 16: OTHER INFORMATION

- **Date of preparation:** May 8, 2017
- **Abbreviations and acronyms:**
 - CAS: Chemical Abstracts Service
 - NFPA: National Fire Protection Association (USA)
 - HMIS: Hazardous Materials Identification System (USA)

SAFETY DATA SHEET (SDS)



Crepe rubber bands (75% of rubber)

1: Product and Manufacturer Identification

Product Name : Crepe rubber bands (75% of rubber)
Product Code / Other Names :
Material Uses : Rubber bands
Manufacturer Name : LIANG HAH HENG INTERNATIONAL RUBBER CO. LTD
Street Address : 60/14 MOO 6, EKACHAI RD, BANGBON KHET, 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 :
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

Ingredient Name or Description	CAS Number	%
Natural Rubber		67%
Rubber Oil	64741-88-4	6.7%
Calcium Carbonate	1317-65-3	23.45%
Zinc Oxide	1314-13-2	0.84%
Steric Acid	57-11-4	0.67%
Accelerator – 2 types		0.54%
- MBT (2-Mercaptobenzothiazole)	120-78-5	
- TMTD (Tetramethylthiuram Disulfide)	137-26-8	
Sulphur	7704-34-9	0.80%

Additional Composition Details :

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 vapors.
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

Flammability of the Product : Flammability

Extinguishing Media/Methods

Suitable : Foam, Dry chemical

SAFETY DATA SHEET (SDS)



Crepe rubber bands (75% of rubber)

Not Suitable	:	
Special Exposure Hazards	:	Natural rubber compounds are combustible and generate CO _x , and complex fumes derived from the decomposition products of organic accelerators.
Products of Combustion	:	CO _x 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

Ingredient Name/Description	Exposure Limits
None	None

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

Physical State	:	Solid
Flash Point (°C and °F)	:	Not applicable
Auto-ignition Temperature (°C and °F)	:	Not applicable
Flammable Limits	:	Flammability
Color	:	Amber
Odor	:	Rubber odor
Odor Threshold	:	Not determined
pH	:	Not applicable
Boiling/Condensing Point (°C and °F)	:	Not applicable
Melting/Freezing Point (°C and °F)	:	Not applicable
Relative Density	:	1.15
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	:	Not available
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.