

SHEET 0717790

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Safety Data Sheet

Date of Issue: | Revision Date: 11.12.2015 | Revision Number:

Imperial Supplies Part Number: 0717790

SECTION 1: IDENTIFICATION

1.1. Product Identifier

Product Form:

Product Name: Flame-Retardant Heat-Shrink Tubing

CAS No:

Synonyms:

1.2. Intended Use of the Product

Use of the substance/mixture: Heat-shrink tubing

1.3. Name, Address, and Telephone of the Responsible Party

Company

ShenZhen Woer Heat-Shrinkable Material Co., Ltd.

Woer Building, Xinwei Industry Park, Xili Town, Shenzhen City, China

Phone: 86-755-28299-167

1.4. Emergency Telephone Number

Emergency | 1 (800) 222-1222

number |

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

[Leave a message](#)

Classification (GHS-US)

Flammable |
 Eye Damage |Irritation
 Lung Damage |Irritation

2.2. Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US)	Flame Exclamat Health
	ion Mark Hazard
Signal Word (GHS-US)	Danger
Hazard Statements (GHS-US)	Harmful if inhaled.
Precautionary Statements (GHS-US)	Product will flare up for a moment and flameout; will produce a little smoke. Causes damage to organs through prolonged or repeated exposure: respiratory system GENERAL: Keep out of reach of children. PREVENTION: Do not breathe fumes/gas/vapors. Do not eat, drink, or smoke when using this product. Smoke can irritate lungs and eyes. RESPONSE: Get medical advice/attention if you feel unwell. DISPOSAL: Dispose of contents/container in accordance with applicable local/regional/national/international regulations.

2.3. Other Hazards

Other Hazards Not Contributing to the Classification:

2.4. Unknown Acute Toxicity (GHS-US)

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance

Name	Product identifier	%	Classification
			(GHS-US)

Full text of H-phrases: See Section 16

3.2. Mixture

Name	Product identifier	%	Classification
			(GHS-US)
Polyolefin (CH ₂ CH ₂) _n	9002-88-4	50%	
Magnesium Hydroxide Mg(OH) ₂	1309-42-8	35%	
DBDPE C ₁₄ H ₄ Br ₁₀	84852-53-9	10%	
Color Material Grain	-	5%	
Printing Ink	-	-	

SECTION 4: FIRST AID MEASURES

4.1. Description of First Aid Measures

First-aid Measures General:

First-aid Measures After Inhalation: Thermal degradation and combustion and combustion by products may be toxic and should not be inhaled. Remove person to fresh air. If you feel unwell, get medical attention.

First-aid Measures After Skin Contact: This product is not expected to be a skin irritant. Contact with the molten material may cause thermal burns. No harmful effects are expected from skin absorption of this product.

First-aid Measures After Eye Contact: Flush with large amounts of cool water. Remove contact lenses, if applicable and easy to do, and continue flushing. Obtain medical attention if irritation persists.

First-aid Measures After Ingestion: If Swallowed: Ingestion of this product is highly unlikely. No need for first aid is anticipated.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/Injuries: Thermal degradation and combustion and combustion byproducts may be toxic and should not be inhaled. Avoid inhalation. If inhaled, remove person to fresh air. If symptoms persist, get medical attention.

Symptoms/Injuries After Inhalation:

Symptoms/Injuries After Skin Contact:

Symptoms/Injuries After Eye Contact:

Symptoms/Injuries After Ingestion:

Chronic Symptoms:

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

Not applicable.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media: In case of fire: Use dust farina powder.

Unsuitable Extinguishing Media:

5.2. Special Hazards Arising From the Substance or Mixture

Fire Hazard: None inherent in this product.

Explosion Hazard:

Reactivity:

5.3. Advice for Firefighters

Precautionary Measures Fire:

Firefighting Instructions: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Protection During Firefighting:

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Observe precautions from other sections.

6.1.1. For Non-emergency Personnel

Protective Equipment:

Emergency Procedures:

6.1.2. For Emergency Responders

Protective Equipment:

Emergency Procedures:

6.2. Environmental Precautions

Avoid release to the environment.

6.3. Methods and Material for Containment and Cleaning Up

For Containment: Not applicable.

Methods for Cleaning Up: Not applicable.

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: Using an oven or heat gun, the tube will shrink between 70-125°C. Avoid any vapors given off if the product is heated to decomposition, as shown by a darkening and browning of the sleeve. Avoid contact with molten material. Heat-resistant gloves are required if hot products are handled after installation. Do not consume food, beverage, or tobacco in the immediate work area. Wash hands before eating, drinking, or smoking. Avoid heating products beyond temperatures required for normal installation. Installation:

Follow the appropriate installation instructions and application guides to ensure that installation is performed properly. Ensure that any local requirements / legislation concerning the use of hand-held electrical equipment are observed. When using IR (infrared) heating devices, observe specific instructions. Do not touch hot surfaces on installation equipment.

Hygiene Measures:

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Protect from sunlight.

Storage Conditions: Store away from heat.

7.3. Specific End Use(s)

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

This product, as supplied, does not contain any hazardous material with occupational exposure limits established by the region specific regulatory bodies.

8.2. Exposure Controls

Appropriate Engineering Controls	Provide general or local exhaust ventilation systems.
Personal Protective Equipment	
Materials for Protective Clothing	
Hand Protection	If it is necessary to handle grossly overheated or fire-damaged products, wear natural rubber gloves to prevent possible contact with potentially corrosive acid residues.
Eye Protection	Use safety glasses with side shield or goggles to prevent contact with eyes, as appropriate to the given operation.
Skin and Body Protection	Avoid contact with skin. Use heat resistant rated

	gloves to prevent skin contact.
Respiratory Protection	If installation occurs in a confined, unventilated area, NIOSH/MSHA-approved respirators are recommended.
Thermal Hazard Protection	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Physical State	SOLID
Appearance	Plastic tubing; molded parts in a variety of shaped, sizes, and colors.
Odor	
Odor Threshold	Not determined
pH	
Relative Evaporation Rate (butyl acetate=1)	
Melting Point	
Freezing Point	
Boiling Point	
Flash Point	
Auto-ignition Temperature	
Decomposition Temperature	
Flammability (solid, gas)	VW-1
Vapor Pressure	
Relative Vapor Density at 20 °C	
Relative Density	
Specific Gravity	
Solubility	
Partition coefficient: n-octanol/water	
Viscosity	
Lower Flammable Limit	
Upper Flammable Limit	

9.2. Other Information

Tensile Strength: >10.4 MPa
Elongation %:
Tensile Strength After Aging:
Elongation % After Aging:
Dielectric Withstand at 300V:
Dielectric Withstand at 600V:
Volume Resistance: > 1X10¹⁴ Ω·cm
Anti-Corrosive: PASS
Copper Stability: PASS

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Not reactive under normal conditions.

10.2 Chemical Stability

Stable under recommended storage conditions.

10.3 Possibility of Hazardous Reactions

None under normal processing.

10.4 Conditions to Avoid

Avoid overheating of product.

10.5 Incompatible Materials

None known based on information supplied.

10.6 Hazardous Decomposition Products

See hazardous combustion products (Section 5). Smoke produced may be hazardous.

Avoid inhalation.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects

Acute Toxicity:

Skin Corrosion/Irritation:

Serious Eye Damage/Irritation:

Respiratory or Skin Sensitization:

Germ Cell Mutagenicity:

Carcinogenicity:

Reproductive Toxicity:

Specific Target Organ Toxicity (Single Exposure):

Specific Target Organ Toxicity (Repeated Exposure):

Aspiration Hazard:

Symptoms/Injuries After Inhalation: Thermal degradation and combustion and combustion by products may be toxic and should not be inhaled.

Symptoms/Injuries After Skin Contact: This product is not expected to be a skin irritant. Contact with the molten material may cause thermal burns. No harmful effects are expected from skin absorption of this product.

Symptoms/Injuries After Eye Contact: Contact with molten materials may cause thermal burns. Smoke may irritate eyes.

Symptoms/Injuries After Ingestion: Ingestion of this product is highly unlikely.

Chronic Symptoms:

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Product does not break down in natural conditions; therefore it is not expected to be hazardous to the environment.

12.2. Persistence and Degradability

12.3. Bioaccumulative Potential

12.4. Mobility in Soil

12.5. Other Adverse Effects

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste Disposal Recommendations: Disposal of waste should be in accordance with applicable international, national, regional, and local laws and regulations.

Additional Information:

SECTION 14: TRANSPORT INFORMATION

14.1 In Accordance with DOT

Proper Shipping Name		In accordance with DOT
Hazard Class		<PICTOGRAM PHRASE>
Identification Number		
Label Codes		
ERG Number		

14.2 In Accordance with IMDG

Proper Shipping Name		In accordance with IMDG
Hazard Class		
Identification Number		
Label Codes		<PICTOGRAM PHRASE>
Notification Of The		
Substance/m		
EmS-No. (Fire)		
EmS-No. (Spillage)		

14.3 In Accordance with IATA

Proper Shipping Name		In accordance with IATA
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Identification Number		<PICTOGRAM PHRASE>
Hazard Class		
Label Codes		
Notification Of The		
Substance/m		
ERG Code (IATA)		

SECTION 15: REGULATORY INFORMATION

15.1 US Federal Regulations

<COMPONENT>California Prop. 65.:

This product does not contain any substances regulated under California Prop. 65.

SARA Section 311/312 Hazard Classes |

Toxic Substances Control Act (TSCA) |

15.2 US State Regulations

<COMPONENT>

This product does not contain any substances regulated under applicable state right-to-know regulations.

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Revision date |11.12.2015

Other |This document has been prepared in accordance with the SDS

Information |requirements of the OSHA Hazard Communication Standard 29 CFR

|1910.1200.

GHS Full Text Phrases:

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