

## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product identifier

Product name: **GREENTECH HEATSHIELD FS 50 WRAP STRIP**

Product code: **INTUMESCENT WRAP STRIP**

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Uses: Firestopping and Sealing around plastic pipe penetrations in Walls & Floors

Uses advised against: Refer to relevant Technical Data Sheet

### 1.3. Details of the supplier of the safety data sheet

Company name: Greentech Thermal Insulation Products Mfg. LLC, Umm Al Quwain

United Arab Emirates. Phone : 050 5850023, E.mail: operations@greentech-isolatek.com

## 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture:

Active Filling: Graphite in PVA polymeric binder.

**2.1.1 Classification according to Regulation (EC) 1272/2008: N/A**

**2.1.2 Classification according to Directive 1999/45/EEC: N/A**

### 2.2 Label elements

**2.2.1 Labelling according to Regulation (EC) 1272/2008: N/A**

Hazard statements: N/A

Precautionary statements:

P103: Read label before use

P280: Wear protective gloves/protective clothing/eye protection/face protection P281: Use personal protective equipment as required

**2.2.2 Labelling according to Directive 1999/45/EEC: N/A**

**2.3 Other hazards: None**

### 2.2 Label elements

**2.2.1 Labelling according to Regulation (EC) 1272/2008: N/A**

Hazard statements: N/A

Precautionary statements:

P103: Read label before use

P280: Wear protective gloves/protective clothing/eye protection/face protection

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### 3. COMPOSITION / INFORMATION ON INGREDIENTS

**3.2 Mixtures: N/A.**

### 4. FIRST AID MEASURES (SYMPTOMS)

**4.1 Description of first aid measures: N/A.**

**4.2 Most important symptoms and effects, both acute and delayed: N/A**

**4.3 Indication of any immediate medical attention and special treatment needed: N/A**

### 5. FIRE-FIGHTING MEASURES

**5.1 Extinguishing media:**

**5.1.2 Suitable extinguishing media:**

The product is not combustible. Use a dry powder, foam or CO<sub>2</sub> fire extinguisher to extinguish the surrounding fire. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**5.1.3 Unsuitable extinguishing media: None identified.**

**5.2 Special hazards arising from the substance or mixture: None identified**

**5.3 Advice for fire fighters: None identified**

### 6. ACCIDENTAL RELEASE MEASURES

**6.1. Personal precautions, protective equipment and emergency procedures:**

**6.1.1. For Non-emergency personnel:**

Wear suitable protective equipment (see section 8).

**6.1.2 For emergency responders: N/A**

**6.2 Environmental precautions: N/A**

**6.3 Methods and material for containment and cleaning up: N/A**

**6.4 Reference to other sections:**

For more information on exposure controls/personal protection or disposal considerations, please check section 8 and 13 and the Appendix of this safety data sheet.

## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling:

**7.1.1 Protective Measures:** Wear personal protective equipment (refer to section 8 of this safety data sheet).

**7.1.2 Advice on general occupational hygiene:** N/A

### 7.2 Conditions for safe storage, including any incompatibilities:

The pipe collars should be stored under dry conditions, and out of direct sunlight.  
Keep out of reach of children.

### 7.3 Specific end use(s):

No additional information for the specific end users.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters:

No Workplace Exposure Limits are applicable to this product.

### 8.2 Exposure controls:

No Exposure controls required for this product.

It is recommended that personal protective clothing we worn when handling / installing these products:  
Gloves / Eye Protection / Ear Protection / Safety Shoes

8.2.1 Appropriate engineering controls; N/A

### 8.2.2: Individual protection measures, such as personal protective equipment:

8.2.2.1: Eye/face protection		Goggles should be worn when installing the Pipe Collar to either a Wall or Floor construction element, in order to prevent dust / debris entering the eye.
8.2.2.2: Skin protection		It is recommended that Overalls should be worn to protect skin from contact with dust / debris contaminating the skin when installing the Pipe Collar to either a Wall or Floor construction element. Wear safety shoes / boots to protect feet from any falling object / debris. Gloves are also recommended, to protect from any potential risk of cuts to the hands.
8.2.3.3: Respiratory protection		When installing the Pipe Collars, it may be necessary to wear a dust mask to prevent dust being inhaled. An appropriate respirator must be used dependent on expected exposure levels.
8.2.2.4: Thermal Hazards		The Pipe Collars do not represent a thermal hazard, thus special consideration is not required.
8.2.3: Environmental Exposure Control		The Pipe Collars do not present any Environmental Exposure risks, thus special consideration is not required.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1.1 Information on basic physical and chemical properties:

Appearance:	Filler – Dark Grey
Odour:	N/A
Odour threshold:	N/A
pH:	N/A
Melting point:	N/A
Boiling point:	N/A
Flash point	N/A
Evaporation rate:	N/A
Flammability:	> 100 deg C
Explosive limits:	Non explosive
Vapour pressure:	N/A
Vapour density:	N/A
Relative density:	Filler: 1.3
Solubility in water:	Not soluble in water. /A
Partition coefficient:	N/A
Auto ignition temperature:	> 400 deg C
Decomposition temperature:	N/A
Viscosity:	N/A
Oxidising properties:	No oxidising properties

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity:

When exposed to heat or flame, in excess of 90° C, the uPVC Lay Flat Tubing will become soft and change its physical state. The Graphite Intumescent above 120° C will change its physical state and expand up to 20 times its original volume. This is its primary design function!

### 10.2 Chemical Stability:

Stable product under recommended storage and handling conditions.

### 10.3 Possibility of hazardous reactions:

Graphite Intumescent reacts to heat / flame above 120° C, and will change its form by expanding.

This is its primary design function!

### 10.4 Conditions to avoid:

Prolonged direct exposure to heat source or naked flame in excess of 80° C, or fully exposed external conditions.

Strong oxidizing agents.

### 10.5 Incompatible Materials:

None known of.

### 10.6 Hazardous Decomposition Products:

None

## 11. TOXICOLOGICAL INFORMATION

11.1.1 Information on toxicological effects	
Toxicity endpoints	Outcome of the effects assessment
Skin corrosion / irritation	No data available.
Serious eye damage / irritation	No data available.
Respiratory or skin sensitization	No data available.

**Information on likely routes of exposure:** Contact with skin.

**Symptoms relating to the physical, chemical and toxicological characteristics:** N/A

**Delayed and immediate effects as well as chronic effects from short and long-term exposure:** N/A

## 12. ECOLOGICAL INFORMATION

**12.1 Toxicity:** N/A

**12.2 Persistence and Degradability:** No toxicity risks.

**12.3 Bioaccumulative potential:** No toxicity risks.

**12.4 Mobility in Soils:** No toxicity risks.

**12.5 Results of PBT and vPvB assessment:** No toxicity risks.

**12.6 Other adverse effects:** No other adverse effects are identified.

## 13. DISPOSAL CONSIDERATIONS

**13.1 Waste treatment methods:**

**Product – unused or damaged;** Re-store as applicable, or if damaged, dispose of as recycled steel.

**Packaging:** Disposal of cardboard packaging is suitable for recycling.

## 14. TRANSPORT INFORMATION

These products are not classified as hazardous for transport. No special precautions are needed apart from those mentioned under Section 8.

## GREENTECH HEATSHIELD FS 50 WRAP STRIP INTUMESCENT WRAP STRIP

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**14.1 UN number** – not relevant

**14.2 UN proper shipping name** – not relevant

**14.3 Transport hazard class(es)** – not relevant

**14.4 Packing group** – not relevant

**14.5 Environmental hazards** - not relevant

**14.6 Special precautions for user** - not relevant

### 15. REGULATORY INFORMATION

**15.1 Safety, health and environmental regulations/legislation specific for the substance:** Workplace Exposure Limits – HSE Guidance note EH40.

Control of Substances Hazardous to Health latest Regulations.

SCOEL recommendation (SCOEL/SUM/137 February 2008; see Section 16.6):

REACH / EHCA Declaration: This product, and all of its component parts, are fully compliant with the current REACH regulations, and do not contain any Substances of Very High Concern (SVHC) as listed on the candidate list dated 16<sup>th</sup> June 2014.

**15.2 Chemical Safety Assessment:**

A chemical safety assessment has not been carried out for this product.

### 16. OTHER INFORMATION

**16.1 Hazard Statements:** N/A

**16.2 Precautionary Statements:**

P103: Read label before use

P280: Wear protective gloves/protective clothing/eye protection/face protection

P281: Use personal protective equipment as required

**16.3 Risk Phrases:**

R37/38 Irritating to respiratory system and skin

**16.4 Revision:**

Version Number:1

Date Prepared:11/07/2014

Supersedes; N/a

Nature of Revision: N/a

Disclaimer

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