Safety Data Sheet

Non Combustible Stone Wool Insulation

Section 1—Chemical Product and Company Identification

Product Names: Precision Cut Stone Wool Pipe Insulation, Field PreFormed Stone Wool Pipe Insulation, Tru-Fit Metal Mesh Blankets, Tru-Fit Pipe & Tank Wrap

Manufacturer Information
Tru-Fit Products LLC
756 Airport Road
Waverly, TN
Phone: 931-296-1550
24 hr Emergency Phone (InfoTrac) US and Canada: 800-535-5053
International: 1-352-323-3500

Section 2—Hazards Identification

GHS Classification
Not a hazardous substance or mixture

GHS Label element
Not a hazardous substance or mixture

Other Hazards

Emergency Overview: Irritant

This product is an article and under normal conditions of use, this product is not expected to create any unusual emergency hazards. However, cutting, sawing, or abrading may increase the risk of personnel exposure.

Inhalation of excessive amounts of dust created when fabricating, cutting, or other mechanical alterations of the product may cause temporary upper respiratory irritation and/or congestion, remove affected individual(s) to fresh air. Breathing large amounts of dust or fibers from this product may lead to chronic health effects as discussed in Section 11 of this safety data sheet.

Skin irritation may be treated by gently washing affected area with soap and warm water.

Eye irritation may be treated by flushing eyes with large amounts of water. If irritation persists, contact a physician.

During initial heat-up to operating temperatures above 350°F (177°C), acrid odor and some smoke may be given off as the organic binders used in the mineral wool insulation begin to decompose. Provide proper ventilation to remove any odor and smoke.

Section 3 — Composition and Information on Ingredients

<table>
<thead>
<tr>
<th>CAS</th>
<th>EINECS</th>
<th>Component</th>
<th>Percent</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>NIOSH REL</th>
</tr>
</thead>
<tbody>
<tr>
<td>65997-17-3</td>
<td>266-17-3</td>
<td>Synthetic Vitreous Fiber</td>
<td>95+</td>
<td>1f/cc</td>
<td>1f/cc</td>
<td>NE</td>
</tr>
<tr>
<td>25104-55-6</td>
<td>NE</td>
<td>Cured Urea</td>
<td>0-5</td>
<td>NE</td>
<td>NE</td>
<td>NE</td>
</tr>
</tbody>
</table>

NE = Not Established

The OSHA and ACGIH recommended exposure level is 1 fiber/cc TWA (fibers longer than 5 μm with diameters less than 3 μm). This recommended PEL, together with recommended work practices and personal protective equipment, were adopted in a Health and Safety Partnership Program (HSPP) agreement in 1999 between OSHA and the North American Insulation Manufacturers Association (NAIMA).
Section 4 — First Aid Measure

First Aid: Inhalation
Remove to fresh air. Drink water to clear throat, and blow nose to remove dust. If irritation persists, get medical attention.

First Aid: Skin
Wash gently with soap and warm water to remove dust. Use a wash cloth to help remove fibers. To avoid further irritation, do not rub or scratch affected areas. Rubbing or scratching may force fibers into the skin. If irritation persists get medical attention. Never use compressed air to remove fibers from the skin. Wash hands before eating or using the restroom.

First Aid: Ingestion
Product is not intended to be ingested or eaten. If this product is ingested, irritation of the gastrointestinal (GI) tract may occur, and should be treated symptomatically. Watch the person for several days to make sure that partial or complete intestinal obstruction does not occur. Do not induce vomiting unless directed to do so by medical personnel. Rinse mouth with water to remove fibers, and drink plenty of water to help reduce the irritation. No chronic effects are expected following ingestion.

First Aid: Eyes
Do not rub or scratch your eyes. Fibers may cause the eye to be scratched. Flush eyes with large amounts of water for at least 15 minutes. If irritation persists, contact a medical professional.

First Aid: Notes to Physician
This product is a mechanical irritant, and is not expected to produce any chronic health effects from acute exposures. Treatment should be directed toward removing the source of irritation with symptomatic treatment as necessary.

Section 5 — Fire Fighting Measures

General Fire Hazard
There is no potential for fire or explosion.

Extinguishing Media
Use any extinguishing media appropriate for the surrounding fires.

Fire Fighting Equipment/Instructions
No special procedures are expected to be necessary for this product. Normal fire fighting procedures should be followed to avoid inhalation of smoke and gases produced by other materials.

Hazardous Combustion Products:
Primary combustion products are carbon monoxide, carbon dioxide, ammonia, and water. Other undetermined compounds could be released in small quantities.

Section 6 — Accidental Release Measures

Containment Procedures
Pick up large pieces. Vacuum dusts. If sweeping is necessary, use a dust suppressant such as water. Do not dry sweep dust accumulation or use compressed air for clean-up. These procedures will help to minimize potential exposures. This material will sink and disperse along the bottom of waterways and ponds. It can not easily be removed after it is waterborne; however, the material is non-hazardous in water.

Clean-Up Procedures
Wastes are not hazardous as defined by the RCRA (40 CFR 261). Comply with state and local regulations for disposal of these products.

Section 7 — Handling and Storage

Handling Procedures
Use protective equipment as described in Section 8 of this Safety Data Sheet when handling uncontained material. Keep product in its packaging as long as practicable to minimize potential dust generation. Keep work areas clean. Avoid unnecessary handling of scrap materials by placing them in waste disposal containers and equipment kept as to close working areas as possible to prevent release of fibers and dust. Good housekeeping practices should be used to prevent generation and accumulation of dusts. After handling product, wash face and hands before eating, drinking, or smoking.

Storage Procedures
Warehouse storage should be in accordance with specifications and /or product data sheets. Material should be kept dry, and protected from the elements.
Section 8 — Exposure Control and Personal Protection

General Product Information
Follow all applicable exposure limits.

Personal Protective Equipment

Personal Protective Equipment: Eyes/Face
Safety glasses with side shields are recommended to keep dust out of the eyes.

Personal Protective Equipment: Skin
Leather or cotton gloves should be worn to prevent skin contact and irritation. Barrier creams may also be used to reduce skin contact and irritation caused by mineral wool fibers. Normal work clothing (long sleeved shirts and long pants) is recommended. Skin irritation is known to occur chiefly at the pressure points such as around the neck, wrists, waist, and between the fingers.

Personal Protective Equipment: Respiratory
A respirator should be used if ventilation is unavailable or is inadequate for keeping dust and fiber levels below the applicable exposure limits. In those cases, use a NIOSH-certified disposable or reusable particulate respirator with an efficiency rating of N95 or higher (under 42 CFR 84) when working with this product. For exposures up to five times the established exposure limits use a quarter-mask respirator rated N95 or higher; and for exposures up to ten times the established exposure limits use a half-mask respirator (e.g., MSA's DM-11, Racal's Delta N95, 3M's 8210) rated N95 or higher. For exposures up to 50 times the established exposure limits use a full-face respirator rated N99 or higher.

Ventilation
In fixed manufacturing settings, local exhaust ventilation should be provided at areas of cutting to remove airborne dust and fibers. General dilution ventilation should be provided as necessary to keep airborne dust and fibers below the applicable exposure limits and guidelines. The need for ventilation systems should be evaluated by a professional industrial hygienist, while the design of specific ventilation systems should be conducted by a professional engineer.

Personal Protective Equipment: General
Loose-fitting, long-sleeved clothing should be worn to protect the skin from irritation. Exposed skin areas should be washed with soap and warm water after handling.

Section 9 — Physical & Chemical Properties

Appearance: Fibrous full circle, semi-circle, or flat. Grey, Green, Brown Fibrous Pipe or Blanket
Odor: Organic pH: 8
Physical State: Solid Vapor Density: Not applicable
Vapor Pressure: Not applicable Melting Point: >2100°F
Boiling Point: Not applicable Specific Gravity: Not determined
Solubility (H2O): Nil Freezing Point: Not applicable
Viscosity: Not applicable Evaporation Rate: Not applicable
VOC: 0 Percent Volatile: 0

Section 10 — Chemical Stability & Reactivity Information

Chemical Stability
This is a stable material. This product is not reactive.

Hazardous Decomposition
None.

Hazardous Polymerization
Will not occur.

Incompatible Materials:
This product reacts with hydrofluoric acid.

Hazardous Decomposition Products:
Primary combustion products are carbon monoxide, carbon dioxide, ammonia, and water. Other undetermined compounds could be released in small quantities.

Section 11 — Toxicological Information

Carcinogenicity
OSHA, NTP, IARC, and ACGIH have not classified this product in its entirety as a carcinogen. In October 2001 the IARC concluded its re-evaluation of the carcinogenic risk of mineral wool fibers. The result was a reclassification of the fibers from Group 2B (possibly carcinogenic to humans) to Group 3 (not classifiable as to
Epidemiological studies published during the 15 years prior to the 2001 IARC review provide no evidence of increased risk of cancer from occupational exposure during manufacture or use of mineral wool fiber. Reference IARC Volume 81, 2002.

ACGIH: A3 - animal carcinogen (related to rock wool fibers) with unknown relevance to humans
IARC: Group 3; Man-Made Vitreous Fibers, Not Classifiable
OSHA: No component of this product is present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen.

Section 12 — Ecological Information

This product should not have any impact on the environment.

Section 13 — Disposal Considerations

Wear proper PPE found in Section 8. This product, is not regulated as a hazardous waste by the U.S. EPA under RCRA regulations. Comply with state and local regulations for disposal.

Section 14 — Transport Information

Follow the precautions indicated in the Handling and Storage Section, Section 7
US DOT Classification for highway: Not regulated
IATA/ICAO Shipping Description: Not regulated
IMO Shipping Description: Not regulated.

Section 15 — Regulatory Information

SARA Hazard Notification/Reporting
Immediate = NO Fire = NO Sudden Release of pressure = NO
Delayed = NO Reactive = NO

SARA Title 313, Toxic chemicals: None
Extremely hazardous substance (EHS): None
SARA/OSHA Hazardous chemical reporting quantity (RQ): None
TSCA: None
RCRA Hazardous waste: None
WHMIS: D2B Irritant
EINECS: Irritant

Cured Urea Formaldehyde/Phenol is covered under TSCA.
Cured Urea Formaldehyde/Phenol is listed in the states of CA, MA, MN, and PA.

The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): WARNING! This product contains a chemical known to the State of California to cause cancer.

Canada Workplace Hazardous Materials Information System (WHMIS)
WHMIS Classification: D2B–Irritant
Product classified as a manufactured article as defined in Hazardous Product Act (HPA), Section 11(1). Section 12(1) exempts it from the WHMIS supplier label and MSDS requirements of the Act.

Section 16 — Other Information

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<thead>
<tr>
<th>NFPA</th>
<th>HMIS</th>
<th>Rating Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health</td>
<td>Health</td>
<td>0 Least</td>
</tr>
<tr>
<td>Flammability</td>
<td>Flammability</td>
<td>1 Slight</td>
</tr>
<tr>
<td>Instability</td>
<td>Reactivity</td>
<td>2 Moderate</td>
</tr>
<tr>
<td>Special</td>
<td>PPE</td>
<td>3 High</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4 Severe</td>
</tr>
</tbody>
</table>

Information about “Health and Safety Research on Rock- and Slag-wool” can be obtained from the North American Insulation Manufacturers Association (NAIMA), 44 Canal Center Plaza, Suite 310, Alexandria, VA 22314, or on the Tru-Fit Products Safety Data Sheet.
This product has been classified according to the hazard criteria of the CPR and the SDS contains all the information required by the CPR.

This Safety Data Sheet (SDS) complies with the Hazard Communication Standard (HCS) 29 CFR 1910.1200(g), as revised in 2012.

Key/Legend:
EPA = Environmental Protection Agency; TSCA = Toxic Substance Control Act; ACGIH = American Conference of Governmental Industrial Hygienists; IARC = International Agency for Research on Cancer; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration; NFPA = National Fire Protection Association; HMIS = Hazardous Material Identification System; RCRA = Resource Conservation and Recovery Act; CERCLA = Comprehensive Environmental Response, Compensation and Liability Act; SARA = Superfund Amendments and Reauthorization Act; DSL = Canadian Domestic Substance List; EINECS = European Inventory of New and Existing Chemical Substances; WHMIS = Workplace Hazardous Materials Information System; CAA = Clean Air Act; CHPA=Canadian Hazardous Product Act; IDL=Canadian Hazardous Disclosure List

Revision Summary:
This is a new document with no revision history.

DISCLAIMER: Although the information and recommendations set forth herein (hereinafter "Information") are presented in good faith and believed to be correct as of the date hereof, Tru-Fit Products LLC (company) makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their purposes prior to use. In no event will the company be responsible for damages of any nature whatsoever resulting from the use of or reliance upon Information. No representations or warranties, either express or implied, of merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to information or the product to which information refers.

Prepared by TSRK Enterprises Inc.