Heat Resistant Fiberglass Repair Wrap

SECTION 1: Identification

Product identifier

Product name: Heat Resistant Fiberglass Repair Wrap
Product code: 38501, 38503

Recommended use of the product and restriction on use

Relevant identified uses: Repair of heat pipeline, such as auto vent-pipe.
Uses advised against: Not determined or not applicable.
Reasons why uses advised against: Not determined or not applicable.

Manufacturer or supplier details

Manufacturer:
United States
J-B Weld Company, LLC
400 CMH Road
Sulphur Springs, TX 75482
903-885-7696
info@jbweld.com

Emergency telephone number:

United States
CHEMTREC
Transportation Emergencies (24 hour): 800-424-9300 or
703-527-3887
Poison Control Centers (24 hour): medical emergencies 800-222-1222

SECTION 2: Hazard(s) identification

GHS classification:

Respiratory sensitization, category 1

Label elements

Hazard pictograms:

Signal word: Danger

Hazard statements:

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Precautionary statements:

P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P285 In case of inadequate ventilation wear respiratory protection.
P304+P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
P501 Dispose of contents/container in accordance with local regulations.

Hazards not otherwise classified:

During fabrication and installation processes, such as grinding, sanding or cutting; respirable silica may be

released from this product. Chronic exposure to respirable silica via inhalation may cause silicosis, an incurable lung disease that leads to disability and death. It may also cause COPD (Chronic Obstructive Pulmonary Disease), Lung Cancer, Kidney disease and the development of autoimmune disorders

SECTION 3: Composition/information on ingredients

Identification	Name	Weight %
CAS number: 65997-17-3	Glass fiber	<55
CAS number: 63148-62-9	Polymer	<30
CAS number: 68092-58-0	Resin	>20

Additional Information:

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of the OSHA Hazard Communication Standard (29 CFR §1910.1200).

SECTION 4: First aid measures

Description of first aid measures

General notes:

Not determined or not applicable.

After inhalation:

Get medical advice/attention if you feel unwell
If breathing is difficult, administer oxygen
Remove victim to fresh air and place in a position comfortable for breathing
If breathing has stopped, trained personnel should begin rescue breathing
If respiratory symptoms develop and persists or if not feeling well: seek medical advice/attention

After skin contact:

Rinse affected area with soap and water
If symptoms develop or persist, seek medical attention

After eye contact:

Rinse/flush exposed eye(s) gently using water for 15-20 minutes
If symptoms develop or persist, seek medical attention

After swallowing:

Rinse mouth thoroughly
Seek medical attention if irritation, discomfort, or vomiting persists
The product has a fabric consistency and ingestion is not a likely route of exposure

Most important symptoms and effects, both acute and delayed

Acute symptoms and effects:

Exposure to this product as supplied has the potential to cause respiratory sensitization. Symptoms include: cough, breathing difficulties, asthma like symptoms and inflammation of the respiratory tract
Airborne glass fibers or dust may cause eye, skin and respiratory irritation

Delayed symptoms and effects:

During fabrication and installation processes, such as grinding, sanding or cutting; respirable silica may be released from this product. Chronic exposure to respirable silica via inhalation may cause silicosis, an incurable lung disease that leads to disability and death. It may also cause COPD (Chronic Obstructive

Pulmonary Disease), Lung Cancer, Kidney disease and the development of autoimmune disorders Symptoms of silicosis may or may not be obvious. As the disease progresses, exercising may cause shortness of breath. In the later stages, symptoms include lung fatigue, extreme shortness of breath, chest pain and respiratory failure. In rare instances, individuals exposed to very high concentrations of respirable crystalline silica can develop typical silicosis symptoms as well as fever and weight loss within weeks instead of years. In these cases, medical evaluation should be performed as soon as possible. Silicosis affects the immune system, increasing the risk of lung infections such as tuberculosis. Exposure to respirable crystalline silica increases the risk of other lung diseases including COPD, emphysema, chronic bronchitis and lung cancer. The main symptom of COPD is shortness of breath due to difficulty breathing air into the lungs. COPD is not usually reversible and may worsen over time. Studies of workers exposed to respirable crystalline silica have found that these workers are at increased risk of developing kidney disease

Immediate medical attention and special treatment

Specific treatment:

Not determined or not applicable.

Notes for the doctor:

Treat symptomatically

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media:

Carbon dioxide, water fog, dry sand, chemical foam, powder

Unsuitable extinguishing media:

Not determined or not applicable.

Specific hazards during fire-fighting:

Thermal decomposition will release irritating or toxic fumes (or gases)

Special protective equipment for firefighters:

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

Special precautions:

Approach fire from upwind to avoid hazardous vapors and toxic. Move containers from fire area if this can be done without risk. Prevent run off from fire control dilution from entering streams or drinking water supply

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Wear recommended personal protective equipment, including respirator if dust has been generated (see Section 8)
Ventilate area
Eliminate sources of ignition

Environmental precautions:

Should not be released into the environment
Prevent from reaching drains, sewer or waterway

Methods and material for containment and cleaning up:

Sweep or scoop up solid material while minimizing dust generation
Dispose of contents / container in accordance with local regulations

Reference to other sections:

Section 8: Personal Protective Equipment

SECTION 7: Handling and storage

Precautions for safe handling:

Wear recommended personal protective equipment (see section 8).
Handle and open container with care. Keep container tightly closed when not in use.
If dust is being generated, wear respiratory protection.
Minimize dust generation.
Avoid breathing dust and fume.
Avoid contact with eyes, skin and clothing.
Ensure good local exhaust ventilation.
Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.
Keep away from incompatible materials (see Section 10).
Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Wash contaminated clothing before reuse.

Conditions for safe storage, including any incompatibilities:

Keep containers tightly closed. Store in a cool, dry, well-ventilated area out of direct sunlight. Store away from incompatible materials (see section 10). Store away from sources of ignition, feedstuffs, beverages and foods. Avoid physical damage to containers.

SECTION 8: Exposure controls/personal protection

Only those substances with limit values have been included below.

Occupational Exposure limit values:

Country (Legal Basis)	Substance	Identifier	Permissible concentration
ACGIH	Glass fiber	65997-17-3	8-Hour Exposure Limit (TLV-TWA): 1 fibers/cm³
NIOSH	Glass fiber	65997-17-3	NIOSH Recommended exposure limit (REL) [for up to a 10-hour workday during a 40-hour workweek] is: 3 fibers/cm3

Biological limit values:

No biological exposure limits noted for the ingredient(s).

Information on monitoring procedures:

Monitoring of the concentration of substances in the breathing zone of workers or in the general workplace may be required to confirm compliance with an OEL and adequacy of exposure controls.
Biological monitoring may also be appropriate for some substances.

Appropriate engineering controls:

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling.
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor and mists below the applicable workplace exposure limits (Occupational Exposure Limits-OELs) indicated above.

Personal protection equipment

Eye and face protection:

Safety goggles or glasses, or appropriate eye protection.

Skin and body protection:

Select glove material impermeable and resistant to the substance.
Wear appropriate clothing to prevent any possibility of skin contact.

Respiratory protection:

Wear appropriate protective respiratory masks. A full face positive pressure supplied-air respirator or a self contained breathing apparatus should be used when there is the risk of greater exposure.

General hygienic measures:

Avoid contact with skin, eyes and clothing.
Wash hands before breaks and at the end of work.
Wash contaminated clothing before reuse.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance	Brown fabric
Odor	Characterisitic odor
Odor threshold	Not determined or not available.
pH	Not determined or not available.
Melting point/freezing point	Not determined or not available.
Initial boiling point/range	Not determined or not available.
Flash point (closed cup)	Not determined or not available.
Evaporation rate	Not determined or not available.
Flammability (solid, gas)	Not determined or not available.
Upper flammability/explosive limit	Not determined or not available.
Lower flammability/explosive limit	Not determined or not available.
Vapor pressure	Not determined or not available.
Vapor density	Not determined or not available.
Density	Not determined or not available.
Relative density	Not determined or not available.
Solubilities	Not determined or not available.
Partition coefficient (n-octanol/water)	Not determined or not available.
Auto/Self-ignition temperature	Not determined or not available.
Decomposition temperature	Not determined or not available.
Dynamic viscosity	Not determined or not available.
Kinematic viscosity	Not determined or not available.
Explosive properties	Not determined or not available.
Oxidizing properties	Not determined or not available.

Other information

SECTION 10: Stability and reactivity

Reactivity:

Does not react under normal conditions of use and storage.

Chemical stability:

Stable under normal conditions of use and storage.

Possibility of hazardous reactions:

None under normal conditions of use and storage.

Conditions to avoid:

Incompatible materials and any sources of ignition.

Incompatible materials:
Strong acids, strong oxidants, strong bases

Hazardous decomposition products:
Thermal decomposition will release irritating or toxic fumes (or gases).

SECTION 11: Toxicological information

Acute toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data: No data available.

Skin corrosion/irritation

Assessment: Based on available data, the classification criteria are not met.

Product data:
No data available.

Substance data: No data available.

Serious eye damage/irritation

Assessment: Based on available data, the classification criteria are not met.

Product data:
No data available.

Substance data: No data available.

Respiratory or skin sensitization

Assessment:
May cause allergy or asthma symptoms or breathing difficulties if inhaled

Product data:
No data available.

Substance data:

Name	Result
Resin (CAS# 68092-58-0)	May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Carcinogenicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data:

Name	Species	Result
Glass Oxide	Not Applicable	This product contains glass oxide. Glass Oxides is a suspected carcinogen via inhalation. Exposure to respirable silica is unlikely as this product is shipped and supplied. During fabrication and installation processes, such as grinding, sanding or cutting; respirable silica may be released from this product.

International Agency for Research on Cancer (IARC):

Name	Classification
Glass fiber	Group 2B

National Toxicology Program (NTP):

Name	Classification
Glass fiber	Reasonably anticipated to be human carcinogens

Germ cell mutagenicity

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Reproductive toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Specific target organ toxicity (single exposure)

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Specific target organ toxicity (repeated exposure)

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Aspiration toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Information on likely routes of exposure:

skin contact; inhalation (if airborne dust is generated)

Symptoms related to the physical, chemical and toxicological characteristics:

Exposure to this product as supplied has the potential to cause respiratory sensitization. Symptoms include: cough, breathing difficulties, asthma like symptoms and inflammation of the respiratory tract. Airborne glass fibers may cause irritation of the skin, eyes and respiratory tract.

Other information:

No data available.

SECTION 12: Ecological information

Acute (short-term) toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data: No data available.

Chronic (long-term) toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data: No data available.

Persistence and degradability

Product data: No data available.

Substance data: No data available.

Bioaccumulative potential

Product data: No data available.

Substance data: No data available.

Mobility in soil

Product data: No data available.

Substance data: No data available.

Other adverse effects: No data available.

SECTION 13: Disposal considerations

Disposal methods:

It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities Disposal should be in accordance with applicable regional, national and local laws and regulations

SECTION 14: Transport information

United States Transportation of dangerous goods (49 CFR DOT)

UN number	Not regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

International Maritime Dangerous Goods (IMDG)

UN number	Not regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

International Air Transport Association Dangerous Goods Regulations (IATA-DGR)

UN number	Not regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

SECTION 15: Regulatory information

United States regulations

Inventory listing (TSCA): All product ingredients are listed or exempt from listing.

Significant New Use Rule (TSCA Section 5): None of the ingredients are listed.

Export notification under TSCA Section 12(b): None of the ingredients are listed.

SARA Section 302 extremely hazardous substances: None of the ingredients are listed.

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SARA Section 313 toxic chemicals: None of the ingredients are listed.

CERCLA: None of the ingredients are listed.

RCRA: None of the ingredients are listed.

Section 112(r) of the Clean Air Act (CAA): None of the ingredients are listed.

Massachusetts Right to Know:

65997-17-3	Glass Oxide	Listed

New Jersey Right to Know:

65997-17-3	Glass Oxide	Listed
68092-58-0	propanol, ((1-methyl-1,2-ethanediyl)bis(oxy))bis-, polymer with 1,1'-methylenebis(isocyanatobenzene) and oxybis(propanol)	Listed

New York Right to Know:

65997-17-3	Glass Oxide	Listed
68092-58-0	propanol -, ((1-methyl-1,2-ethanediyl)bis(oxy))bis-, polymer with 1,1'-methylenebis(isocyanatobenzene) and oxybis(propanol)	Listed

Pennsylvania Right to Know:

65997-17-3	Glass Oxide	Listed
68092-58-0	propanol - ((1-methyl-1,2-ethanediyl)bis(oxy))bis-, polymer with 1,1'-methylenebis(isocyanatobenzene) and oxybis(propanol)	Listed

California Proposition 65: No product ingredients are listed.

SECTION 16: Other information

Abbreviations and Acronyms: None

Disclaimer:

This product has been classified in accordance with OSHA HCS 2012 guidelines. The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation and disposal and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials, unless specified in the text. The responsibility to provide a safe workplace remains with the user.

NFPA: 2-1-0

HMIS: 2-1-0

Initial preparation date: 03.11.2019

End of Safety Data Sheet