

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 04.19.2019

Page 1 of 11

Flexible Adhesive Patch

SECTION 1: Identification

Product identifier

Product name: Flexible Adhesive Patch

Product code: 39201



Recommended use of the product and restriction on use

Relevant identified uses: Not determined or not applicable.

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: Not a hazardous substance or mixture

Label elements

Hazard pictograms: None

Signal word: None

Hazard statements: None

Precautionary statements:

P102 Keep out of reach of children.

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	<15

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 04.19.2019

Page 2 of 11

Flexible Adhesive Patch

CAS number: 9003-55-8	Copolymer	>15
CAS number: 25038-59-9	Poly (ethylene terephthalate)	<10
CAS number: 65996-61-4	Glassine Paper	>15
CAS number: 64742-16-1	Resin	<30
CAS number: 8012-95-1	Napthenic Oil	<12

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:

Remove victim to fresh air and place in a position comfortable for breathing. If respiratory symptoms develop and persist or if feeling unwell: seek medical advice/attention. If breathing is difficult, administer oxygen. If breathing has stopped, trained personnel should begin rescue breathing and get emergency medical aid

After skin contact:

Take off all contaminated clothing. Rinse affected area with soap and water. Gently blot or brush away excess product. If skin irritation develops or persists, seek medical advice/attention

After eye contact:

Rinse eyes with plenty of water for several minutes. Remove contact lenses if present and easy to do so. Protect unexposed eye. If symptoms develop or persist, seek medical advice/attention

After swallowing:

Rinse mouth. Do NOT induce vomiting unless directed to do so by medical personnel. If vomiting spontaneously occurs, place victim on side in the recovery position to prevent aspiration into the lungs. Never give anything by mouth to an unconscious person. If experiencing symptoms or concerned: Contact a POISON CENTER or doctor/physician

Most important symptoms and effects, both acute and delayed

Acute symptoms and effects:

May cause mild irritation of the eyes, skin and respiratory tract

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

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 04.19.2019

Page 3 of 11

Flexible Adhesive Patch

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:

Not determined or not applicable.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media:

Water spray, dry chemical, Carbon dioxide or appropriate foam

Unsuitable extinguishing media:

Do not use water jet

Specific hazards during fire-fighting:

Thermal decomposition can lead to the release of toxic and irritating gases and vapors, including: Carbon Oxides and Silicon Oxides

Special protective equipment for firefighters:

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode

Special precautions:

Carbon monoxide and carbon dioxide may form upon combustion
Heating causes a rise in pressure, risk of bursting and combustion

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Ensure adequate ventilation
Ensure air handling systems are operational
Wear recommended personal protective equipment (see Section 8)
Avoid contact with eyes, skin and clothing
Avoid breathing dust, fume and vapor
Extinguish all ignition sources

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

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 04.19.2019

Page 4 of 11

Flexible Adhesive Patch

Precautions for safe handling:

- Use only with adequate ventilation.
- Wear recommended personal protective equipment (see Section 8).
- Avoid breathing dust, fume and vapor.
- Avoid contact with eyes, skin and clothing.
- Do not eat, drink, smoke or use personal products when handling chemical substances.
- Wash hands, forearms and face thoroughly after handling.
- Minimize dust generation.
- Keep container / package tightly closed when not in use.

Conditions for safe storage, including any incompatibilities:

- Keep container tightly sealed.
- Keep container dry.
- Store in a cool, well-ventilated area.

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
United States (OSHA)	Napthenic Oil	8012-95-1	8 Hour TWA : 5 mg/m ³ (10 ppm)
	Glass fiber	65997-17-3	8-Hour Exposure Limit (PEL-TWA): 15 mg/m ³
	Glass fiber	65997-17-3	8-Hour Exposure Limit (PEL-TWA): 5 mg/m ³ (respirable)
	Glass fiber	65997-17-3	8-Hour Exposure Limit (PEL-TWA): 15 mg/m ³ (total dust)
	Glass fiber	65997-17-3	8-Hour Exposure Limit (PEL-TWA): 15 mg/m ³ (fibrous glass)
	Glass fiber	65997-17-3	8-Hour Exposure Limit (PEL-TWA): 15 mg/m ³ (fibrous glass as total dust)
	Glass fiber	65997-17-3	8-Hour Exposure Limit (PEL-TWA): 5 mg/m ³ (fibrous glass - respirable)
	Glass fiber	65997-17-3	10-Hour Exposure Limite (REL-TWA): 3 fibers/cm ³ (fibers ≤3.5 μm in diameter, ≥10 μm in length); 5 mg/m ³ (total)
	Glass fiber	65997-17-3	10-Hour Exposure Limite (REL-TWA): 15 mg/m ³ (fibrous glass - total))
	Glass fiber	65997-17-3	8-Hour Exposure Limit (TLV-TWA): 5 mg/m ³ (continuous filament glass fibers as inhalable particulate matter)
NIOSH	Napthenic Oil	8012-95-1	8 Hour TWA : 5 mg/m ³ (10 ppm)
	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/cm ³

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 04.19.2019

Page 5 of 11

Flexible Adhesive Patch

Country (Legal Basis)	Substance	Identifier	Permissible concentration
	Glass fiber	65997-17-3	10-Hour Exposure Limite (REL-TWA): 3 fibers/cm ³ (fibers ≤3.5 μm in diameter, ≥10 μm in length)
	Glass fiber	65997-17-3	10-Hour Exposure Limite (REL-TWA): 15 mg/m ³ (fibrous glass - total))
ACGIH	Glass fiber	65997-17-3	8-Hour Exposure Limit (TLV-TWA): 1 fibers/cm ³
	Glass fiber	65997-17-3	8-Hour Exposure Limit (TLV-TWA): 1 fiber/cc (continuous filament glass fibers)
	Glass fiber	65997-17-3	8-Hour Exposure Limit (TLV-TWA): 5 mg/m ³ (continuous filament glass fibers as inhalable particulate matter];

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:

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

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	Yellow thin slice flaky solid
Odor	Weak odor
Odor threshold	Not determined or not available.

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 04.19.2019

Page 6 of 11

Flexible Adhesive Patch

pH	Not determined or not available.
Melting point/freezing point	>150°C (softening)
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	Hardly soluble in water
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:

Not reactive under recommended storage and handling conditions.

Chemical stability:

Stable under recommended storage and handling conditions.

Possibility of hazardous reactions:

Polymerization will not occur.

No hazardous reactions anticipated under recommended storage and handling procedures.

Conditions to avoid:

Strong oxidizing agents.

Incompatible materials:

Oxidizing agents; Strong Acids; Strong bases

Hazardous decomposition products:

Thermal decomposition can lead to the release of toxic and irritating gases and vapors, including: Carbon Oxides and Silicon Oxides.

SECTION 11: Toxicological information

Acute toxicity

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

Product data: No data available.

Substance data:

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 04.19.2019

Page 7 of 11

Flexible Adhesive Patch

Name	Route	Result
Napthenic Oil	oral	LD50 - Rat - $\leq 2\ 000$ mg/kg
	dermal	LD50 - Rabbit - 2000 mg/kg
	inhalation	LC50 - Rat - 210 mg/m ³

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

Product data:

No data available.

Substance data: No data available.

Carcinogenicity

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

Product data: No data available.

Substance data:

Name	Species	Result
Glass fiber	Not applicable	May cause cancer via inhalation.

International Agency for Research on Cancer (IARC):

Name	Classification
Copolymer	Group 3
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.

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 04.19.2019

Page 8 of 11

Flexible Adhesive Patch

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:

No data available.

Symptoms related to the physical, chemical and toxicological characteristics:

No data available.

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:

Name	Result
Resin	LC50 - Daphnia magna - 100 mg/L (48 h)
	LC50 - Freshwater algae - > 100 mg/l

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:

Name	Result
Resin	Not readily biodegradable.

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:

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 04.19.2019

Page 9 of 11

Flexible Adhesive Patch

It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities. Dispose of product in accordance with all local, regional, state and federal 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):

64742-16-1	Resin	Listed
9003-55-8	Copolymer	Listed
65997-17-3	Glass fiber	Listed
8012-95-1	Napthenic Oil	Listed
25038-59-9	Poly (ethylene terephthalate)	Listed
65996-61-4	Glassine Paper	Listed

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.

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

CERCLA: None of the ingredients are listed.

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 04.19.2019

Page 10 of 11

Flexible Adhesive Patch

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:

64742-16-1	Resin	Not Listed
9003-55-8	Copolymer	Not Listed
65997-17-3	Glass fiber	Listed
8012-95-1	Napthenic Oil	Listed
25038-59-9	Poly (ethylene terephthalate)	Not Listed
65996-61-4	Glassine Paper	Not Listed

New Jersey Right to Know:

64742-16-1	Resin	Not Listed
9003-55-8	Copolymer	Not Listed
65997-17-3	Glass fiber	Listed
8012-95-1	Napthenic Oil	Listed
25038-59-9	Poly (ethylene terephthalate)	Not Listed
65996-61-4	Glassine Paper	Not Listed

New York Right to Know:

64742-16-1	Resin	Not Listed
9003-55-8	Copolymer	Not Listed
65997-17-3	Glass fiber	Listed
8012-95-1	Napthenic Oil	Not Listed
25038-59-9	Poly (ethylene terephthalate)	Not Listed
65996-61-4	Glassine Paper	Not Listed

Pennsylvania Right to Know:

64742-16-1	Resin	Not Listed
9003-55-8	Copolymer	Not Listed
65997-17-3	Glass fiber	Listed
8012-95-1	Napthenic Oil	Listed
25038-59-9	Poly (ethylene terephthalate)	Not Listed
65996-61-4	Glassine Paper	Not Listed

California Proposition 65:

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 04.19.2019

Page 11 of 11

Flexible Adhesive Patch

⚠WARNING: This product can expose you to silica (respirable) , which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov

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: 0-0-0

HMIS: 0-0-0

Initial preparation date: 04.19.2019

End of Safety Data Sheet