

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 03.27.2019

Revision date: 11.18.2019

Page 1 of 10

Metallic Repair Paste

SECTION 1: Identification

Product identifier

Product name: Metallic Repair Paste

Product code: 37901



Recommended use of the product and restriction on use

Relevant identified uses: Professional & Industrial use; Muffler mender, Exhaust system repair cement.

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

InfoTrac

Transportation Emergencies (24 hour): 352-323-3500

SECTION 2: Hazard(s) identification

GHS classification:

Skin irritation, category 2

Serious eye damage, category 1

Label elements

Hazard pictograms:



Signal word: Danger

Hazard statements:

H315 Causes skin irritation.

H318 Causes serious eye damage.

Precautionary statements:

P264 Wash hands thoroughly after handling.

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

P321 Specific treatment (see supplemental first aid instructions on this label).

P362 Take off contaminated clothing and wash before reuse

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P332+P313 If skin irritation occurs: Get medical advice/attention

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 03.27.2019

Revision date: 11.18.2019

Page 2 of 10

Metallic Repair Paste

present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER or doctor/physician.

P501 Dispose of contents/container in accordance with local regulations.

Hazards not otherwise classified: None

SECTION 3: Composition/information on ingredients

Identification	Name	Weight %
CAS number: 14808-60-7	Silica, crystalline quartz	<0.9
CAS number: 7439-89-6	Iron	50-75
CAS number: 14464-46-1	Cristobalite	<0.9
CAS number: 1344-09-8	Silicic acid, sodium salt	5-10

Additional Information:

Silica, crystalline quartz (CAS # 14808-60-7) is classified as a carcinogen in its respirable form. Since the Silica in this product is not respirable, the product itself is not classified as a carcinogen in the form presented.

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:

If inhaled, remove person to fresh air and place in a position comfortable for breathing. Keep person at rest. If breathing is difficult, administer oxygen. If breathing has stopped, provide artificial respiration. If experiencing respiratory symptoms, seek medical advice/attention

After skin contact:

Remove contaminated clothing and shoes. Rinse skin with copious amounts of water [shower] for several minutes. Launder contaminated clothing before reuse. If symptoms develop or persist, seek medical advice/attention

After eye contact:

Immediately rinse eyes with plenty of gently flowing lukewarm water for 15 minutes. Remove contact lenses if present and easy to do so. Protect unexposed eye. Seek immediate medical attention, preferably from an ophthalmologist

After swallowing:

If swallowed, DO NOT induce vomiting unless told to do so by a physician or poison control center. Rinse mouth with water. Never give anything by mouth to an unconscious person. If spontaneous vomiting occurs, place on the left side with head down to prevent aspiration of liquid into the lungs. If symptoms develop or persist, seek medical advice/attention

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 03.27.2019

Revision date: 11.18.2019

Page 3 of 10

Metallic Repair Paste

Most important symptoms and effects, both acute and delayed

Acute symptoms and effects:

Ocular symptoms may include irritation, redness, pain, inflammation, itching, burning, tearing, corneal damage and loss of vision

Dermal symptoms may include redness, pain, burning and inflammation

Delayed symptoms and effects:

Effects are dependent on exposure (dose, concentration, contact time)

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:

Use appropriate fire suppression agents for adjacent combustible materials or sources of ignition
Suitable agents include water and other non-combustible material

Unsuitable extinguishing media:

Not determined or not applicable.

Specific hazards during fire-fighting:

Thermal decomposition can lead to release of irritating gases and vapors

Carbon monoxide and carbon dioxide may form upon combustion

Heating causes a rise in pressure, risk of bursting and combustion

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:

Collect contaminated firefighting water separately. Do not allow firefighting water to enter drains or water courses

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Ensure adequate ventilation

Ensure air handling systems are operational

Wear protective eye wear, gloves and clothing

Environmental precautions:

Should not be released into the environment

Prevent from reaching drains, sewer or waterway

Methods and material for containment and cleaning up:

Wear protective eye wear, gloves and clothing

Take-up the spilled material mechanically

Dispose of contents / container in accordance with local regulations

Reference to other sections:

Not determined or not applicable.

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 03.27.2019

Revision date: 11.18.2019

Page 4 of 10

Metallic Repair Paste

SECTION 7: Handling and storage

Precautions for safe handling:

Use only with adequate ventilation.

Avoid breathing dust.

Do not eat, drink, smoke or use personal products when handling chemical substances.

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)	Silica, crystalline quartz	14808-60-7	OSHA Z-3 TWA 0.1 mg/m ³ (Respirable fraction); 0.3 mg/m ³ (Total dust)
	Cristobalite	14464-46-1	TWA: 0.05 mg/m ³
ACGIH	Silica, crystalline quartz	14808-60-7	ACGIH TLV TWA 0.025 mg/m ³ (Respirable fraction)
	Cristobalite	14464-46-1	8-Hour Exposure Limit (TLV-TWA): 0.025 mg/m ³
NIOSH	Silica, crystalline quartz	14808-60-7	NIOSH TWA 0.05 mg/m ³
	Cristobalite	14464-46-1	REL: 0.05 mg/m ³
	Cristobalite	14464-46-1	Immediately dangerous to life or health (IDLH) concentration: 25 mg/m ³

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.

Suitable glove material: plastic and rubber.

Respiratory protection:

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 03.27.2019

Revision date: 11.18.2019

Page 5 of 10

Metallic Repair Paste

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	Grey solid
Odor	Not determined or not available.
Odor threshold	Not determined or not available.
pH	11.3
Melting point/freezing point	Not determined or not available.
Initial boiling point/range	110 °C at 1,013 hPa (Initial boiling point)
Flash point (closed cup)	Not determined or not available.
Evaporation rate	<1 (ether = 1)
Flammability (solid, gas)	Non-combustible
Upper flammability/explosive limit	Not determined or not available.
Lower flammability/explosive limit	Not determined or not available.
Vapor pressure	32 hPa at 25 °C
Vapor density	0.6 (air = 1)
Density	Not determined or not available.
Relative density	0.6 (air = 1)
Solubilities	Not determined or not available.
Partition coefficient (n-octanol/water)	Not determined or not available.
Auto/Self-ignition temperature	Not applicable
Decomposition temperature	Not determined or not available.
Dynamic viscosity	Not applicable
Kinematic viscosity	Not applicable
Explosive properties	Not explosive
Oxidizing properties	shall not be classified as oxidizing

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.

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 03.27.2019

Revision date: 11.18.2019

Page 6 of 10

Metallic Repair Paste

Conditions to avoid:

None known.

Incompatible materials:

None known.

Hazardous decomposition products:

None known.

SECTION 11: Toxicological information

Acute toxicity

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

Product data: No data available.

Substance data:

Name	Route	Result
Silicic acid, sodium salt	dermal	LD50 Rabbit: 4640 mg/kg
	oral	LD50 Rat: 1960 mg/kg

Skin corrosion/irritation

Assessment:

Causes skin irritation

Product data:

No data available.

Substance data:

Name	Result
Silicic acid, sodium salt	Causes skin irritation.

Serious eye damage/irritation

Assessment:

Causes serious eye damage

Product data:

No data available.

Substance data:

Name	Result
Silicic acid, sodium salt	Causes serious eye damage.

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
Silica, crystalline quartz	Not applicable	Component may cause cancer.

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 03.27.2019

Revision date: 11.18.2019

Page 7 of 10

Metallic Repair Paste

International Agency for Research on Cancer (IARC):

Name	Classification
Silica, crystalline quartz	Group 1 - Carcinogenic to humans

National Toxicology Program (NTP):

Name	Classification
Cristobalite	Known to be human carcinogens
Silica, crystalline quartz	Known 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:

Name	Result
Cristobalite	Component affects the lungs through repeated exposure.
Silica, crystalline quartz	Component affects the lungs through repeated exposure.

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

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 03.27.2019

Revision date: 11.18.2019

Page 8 of 10

Metallic Repair Paste

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

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

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 03.27.2019

Revision date: 11.18.2019

Page 9 of 10

Metallic Repair Paste

Packing group	None
Environmental hazards	None
Special precautions for user	None

SECTION 15: Regulatory information

United States regulations

Inventory listing (TSCA):

7439-89-6	Iron	Listed
14464-46-1	Cristobalite	Listed
1344-09-8	Silicic acid, sodium salt	Listed
14808-60-7	Silica, crystalline quartz	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.

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:

7439-89-6	Iron	Not Listed
14464-46-1	Cristobalite	Listed
1344-09-8	Silicic acid, sodium salt	Not Listed
14808-60-7	Silica, crystalline quartz	Listed

New Jersey Right to Know:

7439-89-6	Iron	Not Listed
1344-09-8	Silicic acid, sodium salt	Not Listed
14808-60-7	Silica, crystalline quartz	Listed

New York Right to Know:

7439-89-6	Iron	Not Listed
1344-09-8	Silicic acid, sodium salt	Not Listed
14808-60-7	Silica, crystalline quartz	Not Listed

Pennsylvania Right to Know:

7439-89-6	Iron	Not Listed
14464-46-1	Cristobalite	Listed
1344-09-8	Silicic acid, sodium salt	Not Listed

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 03.27.2019

Revision date: 11.18.2019

Page 10 of 10

Metallic Repair Paste

14808-60-7	Silica, crystalline quartz	Listed
------------	----------------------------	--------

California Proposition 65:

⚠WARNING: This product can expose you to Silica, crystalline quartz; 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: 3-0-0

HMIS: 3-0-0

Initial preparation date: 03.27.2019

Revision date: 11.18.2019

End of Safety Data Sheet