

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 03.27.2019

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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): 800-535-5053

Poison Control Centers (24 hour): medical emergencies 800-222-1222

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.

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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 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: 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:

Loosen clothing as necessary and position individual in a comfortable position

Maintain an unobstructed airway

Get medical advice/attention if you feel unwell

After skin contact:

Take off all contaminated clothing

Gently blot or brush away excess product

Wash with plenty of lukewarm, gently flowing water

Get medical advice if skin irritation occurs or you feel unwell

After eye contact:

Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open

Remove contact lenses, if present and easy to do so

Continue rinsing for 15-20 minutes

If symptoms develop or persist, seek medical attention

Avoid direct contact and wear chemical protective gloves, if necessary

Continue rinsing until medical aid is available

Immediately call a POISON CONTROL CENTER or seek medical attention

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After swallowing:

- Rinse mouth thoroughly
- Seek medical attention if irritation, discomfort, or vomiting persists

Most important symptoms and effects, both acute and delayed

Acute symptoms and effects:

- Causes skin and eye irritation

Delayed symptoms and effects:

- May cause respiratory irritation and other breathing problems

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:

- 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:

- Use typical firefighting equipment, self-contained breathing apparatus, special tightly sealed suit

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.

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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:

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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.

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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. |

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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

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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 |

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| | |
|-------------------------------------|------|
| Packing group | None |
| Environmental hazards | None |
| Special precautions for user | None |

SECTION 15: Regulatory information

United States regulations

Inventory listing (TSCA):

| | | |
|------------|----------------------------|--------|
| 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:

| | | |
|------------|----------------------------|------------|
| 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:

| | | |
|------------|----------------------------|------------|
| 1344-09-8 | Silicic acid, sodium salt | Not Listed |
| 14808-60-7 | Silica, crystalline quartz | Listed |

New York Right to Know:

| | | |
|------------|----------------------------|------------|
| 1344-09-8 | Silicic acid, sodium salt | Not Listed |
| 14808-60-7 | Silica, crystalline quartz | Not Listed |

Pennsylvania Right to Know:

| | | |
|------------|----------------------------|------------|
| 14464-46-1 | Cristobalite | Listed |
| 1344-09-8 | Silicic acid, sodium salt | Not Listed |
| 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:

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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

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End of Safety Data Sheet