

# Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 03.12.2019

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## Muffler Cement

### SECTION 1: Identification

#### Product identifier

**Product name:** Muffler Cement

**Product code:** 37903, 37906, 37912



#### Recommended use of the product and restriction on use

**Relevant identified uses:** 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

Eye irritation, category 2A

Acute toxicity (oral), category 4

#### Label elements

##### Hazard pictograms:



**Signal word:** Warning

#### Hazard statements:

H302 Harmful if swallowed.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

#### Precautionary statements:

P264 Wash hands thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

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

P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

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P330 Rinse mouth

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

P362 Take off contaminated clothing and wash before reuse

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

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.

P337+P313 If eye irritation persists get medical advice/attention

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: 1344-09-8	Silicic acid, sodium salt	55-60
CAS number: 1332-58-7	Kaolin	35-40

### 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 persists or if not feeling well: seek medical advice/attention

#### After skin contact:

Remove contaminated clothing and rinse skin with plenty of soap and water

If skin irritation persists: seek medical advice/attention

#### 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

Get medical advice if eye irritation persists

#### After swallowing:

Rinse mouth. Do NOT induce vomiting unless directed to do so by medical personnel

If vomiting occurs naturally, lie on your side, in the recovery position

Never give anything by mouth to an unconscious person

Get medical advice if you feel unwell or concerned

### Most important symptoms and effects, both acute and delayed

#### Acute symptoms and effects:

This product is harmful if swallowed Ingestion may cause stomach pain, nausea, vomiting and a general

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feeling of discomfort. Causes serious eye irritation. Symptoms include: redness, tearing and inflammation. This product cause skin irritation, characterized by redness, inflammation, itching and discomfort

### Delayed symptoms and effects:

Not determined or not applicable.

### 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 carbon dioxide, water fog, dry sand, chemical foam

#### Unsuitable extinguishing media:

Do not use water jet

### Specific hazards during fire-fighting:

Thermal decomposition can lead to the release of irritation, toxic and corrosive fumes/mists including: Aluminum oxides, Carbon Oxides, Silicon Oxides and Sodium Oxides

### 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:

Not determined or not applicable.

## SECTION 6: Accidental release measures

### Personal precautions, protective equipment and emergency procedures:

Wear recommended personal protective equipment (see section 8)  
Ventilate area  
Avoid breathing dust/fume/mist/vapor  
Avoid contact with skin, eyes 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:

Absorb with non-combustible liquid-binding material (sand, diatomaceous earth (clay), acid binders, universal binders)  
Dispose of contents / container in accordance with local regulations

### Reference to other sections:

Not determined or not applicable.

## SECTION 7: Handling and storage

### Precautions for safe handling:

Wear recommended personal protective equipment (see section 8).

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Use only with adequate ventilation.  
Avoid breathing dust/fume/mist/vapor.  
Avoid contact with eyes, skin and clothing.  
Minimize dust generation.  
Do not eat, drink, smoke or use personal products when handling chemical substances.  
Wash thoroughly after handling.

### Conditions for safe storage, including any incompatibilities:

Keep containers tightly closed. Store in a cool, dry and well ventilated area.  
Store away from incompatible materials.

## 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)	Kaolin	1332-58-7	OSHA PEL TWA 15 mg/m <sup>3</sup> (total dust)
	Kaolin	1332-58-7	OSHA PEL TWA 5 mg/m <sup>3</sup> (respirable fraction)
NIOSH	Kaolin	1332-58-7	NIOSH REL TWA 10.0 mg/m <sup>3</sup> (total dust)
	Kaolin	1332-58-7	NIOSH REL TWA 5.0 mg/m <sup>3</sup> (respirable dust)
ACGIH	Kaolin	1332-58-7	ACGIH TLV TWA 2 mg/m <sup>3</sup> (respirable fraction)

### 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:

Wear chemical splash goggles or safety glasses with side shields and full-face mask.

#### 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.

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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

<b>Appearance</b>	Thick, viscous paste
<b>Odor</b>	Not determined or not available.
<b>Odor threshold</b>	Not determined or not available.
<b>pH</b>	11.3
<b>Melting point/freezing point</b>	Not determined or not available.
<b>Initial boiling point/range</b>	230° F (110°C at 760 mm Hg)
<b>Flash point (closed cup)</b>	Not determined or not available.
<b>Evaporation rate</b>	Slower than Ether
<b>Flammability (solid, gas)</b>	Not determined or not available.
<b>Upper flammability/explosive limit</b>	Not determined or not available.
<b>Lower flammability/explosive limit</b>	Not determined or not available.
<b>Vapor pressure</b>	24 mm Hg at 77°F (25°C)
<b>Vapor density</b>	Not determined or not available.
<b>Density</b>	Not determined or not available.
<b>Relative density</b>	1.60 - 1.69 at 60°F
<b>Solubilities</b>	Not determined or not available.
<b>Partition coefficient (n-octanol/water)</b>	Not determined or not available.
<b>Auto/Self-ignition temperature</b>	Not determined or not available.
<b>Decomposition temperature</b>	Not determined or not available.
<b>Dynamic viscosity</b>	Not determined or not available.
<b>Kinematic viscosity</b>	Not determined or not available.
<b>Explosive properties</b>	Not determined or not available.
<b>Oxidizing properties</b>	Not determined or not available.

#### Other information

<b>Specific vapor density</b>	0.6 (Air = 1)
<b>Percent Volatile</b>	30 - 35%

### SECTION 10: Stability and reactivity

#### Reactivity:

Does not react under normal conditions of use and storage.

#### Chemical stability:

Stable.

#### Possibility of hazardous reactions:

Hazardous polymerization cannot occur.

#### Conditions to avoid:

Extreme heat, open flame, sources of ignition and incompatible materials.

#### Incompatible materials:

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Hydrofluoric Acid; Strong Oxidizing Agents

### Hazardous decomposition products:

Thermal decomposition can lead to the release of irritation, toxic and corrosive fumes/mists including: Aluminum oxides, Carbon Oxides, Silicon Oxides and Sodium Oxides.

## SECTION 11: Toxicological information

### Acute toxicity

#### Assessment:

Harmful if swallowed

#### Product data:

Route	Result
Oral	LD50: Rat -1.0 - 2.2 g/Kg
	LD50 Rat: 1.0 - 2.2 g/kg

#### 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 irritation

#### 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:** No data available.

**International Agency for Research on Cancer (IARC):** None of the ingredients are listed.

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**National Toxicology Program (NTP):** None of the ingredients are listed.

### 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; Eye Contact; Inhalation

### Symptoms related to the physical, chemical and toxicological characteristics:

This product is harmful if swallowed Ingestion may cause stomach pain, nausea, vomiting and a general feeling of discomfort. Causes serious eye irritation. Symptoms include: redness, tearing and inflammation.

This product cause skin irritation, characterized by redness, inflammation, itching and discomfort.

### 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:**

This material is inorganic and not subject to biodegradation.

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This material is believed to persist in the environment.

**Substance data:** No data available.

### Bioaccumulative potential

**Product data:**

This material is believed not to bioaccumulate.

**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. Dispose of in accordance with all applicable federal, state, provincial and local regulations.

## SECTION 14: Transport information

### United States Transportation of dangerous goods (49 CFR DOT)

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

### International Maritime Dangerous Goods (IMDG)

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

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

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

### Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code



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<b>Bulk Name</b>	None
<b>Ship type</b>	None
<b>Pollution category</b>	None

## SECTION 15: Regulatory information

### United States regulations

#### Inventory listing (TSCA):

1344-09-8	Silicic acid, sodium salt	Listed
1332-58-7	Kaolin	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:

1344-09-8	Silicic acid, sodium salt	Not Listed
1332-58-7	Kaolin	Listed

#### New Jersey Right to Know:

1344-09-8	Silicic acid, sodium salt	Not Listed
1332-58-7	Kaolin	Listed

#### New York Right to Know:

1344-09-8	Silicic acid, sodium salt	Not Listed
1332-58-7	Kaolin	Not Listed

#### Pennsylvania Right to Know:

1344-09-8	Silicic acid, sodium salt	Not Listed
1332-58-7	Kaolin	Listed

**California Proposition 65:** None of the 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.

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**Muffler Cement**

**NFPA:** 2-0-0

**HMIS:** 2-0-0

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**End of Safety Data Sheet**