

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 02.06.2019

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Revision date: 02.05.2020

Silicone Sealant - Oxime - Black

SECTION 1: Identification

Product identifier

Product name: Silicone Sealant - Oxime - Black

Product code: 32329, 32929, 32509



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

InfoTrac
Transportation Emergencies (24 hour): 1-800-535-5053

SECTION 2: Hazard(s) identification

GHS classification:

Skin sensitization, category 1

Skin irritation, category 2

Carcinogenicity, category 1B

Eye irritation, category 2A

Label elements

Hazard pictograms:



Signal word: Danger

Hazard statements:

H317 May cause an allergic skin reaction.

H315 Causes skin irritation.

H350 May cause cancer.

H319 Causes serious eye irritation.

Precautionary statements:

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

P261 Avoid breathing dust/fume/gas/mist/vapors/spray.

P272 Contaminated work clothing should not be allowed out of the workplace.

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- P264 Wash skin and eyes thoroughly after handling.
- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P281 Use personal protective equipment as required.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P321 Specific treatment (see supplemental first aid instructions on this label).
- P363 Wash contaminated clothing before reuse
- P302+P352 IF ON SKIN: Wash with plenty of soap and water.
- P333+P313 If skin irritation or a rash occurs: Get medical advice/attention
- P362 Take off contaminated clothing and wash before reuse
- P332+P313 If skin irritation occurs: Get medical advice/attention
- P308+P313 If exposed or concerned: Get medical advice/attention
- P337+P313 If eye irritation persists get medical advice/attention
- P405 Store locked up.
- 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: 1333-86-4	Powder 1	<1
CAS number: 1317-65-3	Powder 2	<25
CAS number: 7631-86-9	Powder Additive	<10
CAS number: 919-30-2	Liquid Additive 1	<1
CAS number: 64742-46-7	Liquid Additive 2	<10
CAS number: 17689-77-9	Liquid Additive 3	<5
CAS number: 22984-54-9	Liquid Additive 4	<5
CAS number: 96-29-7	Liquid Additive 5	<5
CAS number: 2224-33-1	Liquid Additive 6	<5

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).

Powder 1 (CAS # 1333-86-4) is classified as a carcinogen only in its respirable form. Since the Powder 1 in

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this product is not respirable, the product itself is not classified as a carcinogen in the form presented.

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:

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. If symptoms develop or persist, seek medical advice/attention

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

Most important symptoms and effects, both acute and delayed

Acute symptoms and effects:

Ocular symptoms may include irritation, redness, pain, inflammation, itching, burning and tearing
Dermal symptoms may include redness, pain, rash, burning, inflammation and dermatitis

Delayed symptoms and effects:

Exposure may cause cancer. 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

Unsuitable extinguishing media:

Not determined or not applicable.

Specific hazards during fire-fighting:

Thermal decomposition can lead to release of irritating gases and vapors

Special protective equipment for firefighters:

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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:

Not determined or not applicable.

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
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:

Use only with adequate ventilation.
Avoid breathing mist or vapor.
Do not eat, drink, smoke or use personal products when handling chemical substances.

Conditions for safe storage, including any incompatibilities:

Keep container tightly sealed.
Protect from freezing and physical damage.
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)	Powder 2	1317-65-3	OSHA PEL TWA 15 mg/m ³ (Total dust)
	Powder 1	1333-86-4	OSHA PEL TWA 3.5 mg/m ³
	Powder Additive	7631-86-9	OSHA PEL 8 Hour TWA: 15 mg/m ³
	Powder 2	1317-65-3	OSHA PEL TWA 5 mg/m ³ (Respirable fraction)
	Liquid Additive 2	64742-46-7	PEL: 5 mg/m ³ [Oil mist (Mineral)]
	Liquid Additive 2	64742-46-7	PEL: 100 ppm (400 mg/m ³) [Naphtha]

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Country (Legal Basis)	Substance	Identifier	Permissible concentration
NIOSH	Powder Additive	7631-86-9	NIOSH 10 hr Time Weighted Avg (TWA): 6 mg/m ³
	Powder 1	1333-86-4	NIOSH REL TWA 0.1 mg PAHs/m ³ [Carbon black in presence of polycyclic aromatic hydrocarbons (PAHs)]
	Powder Additive	7631-86-9	NIOSH IDLH: 3000 mg/m ³
	Powder 1	1333-86-4	NIOSH REL TWA 3.5 mg/m ³ Ca
	Powder 2	1317-65-3	REL: 10 mg/m ³ (Total dust); 5 mg/m ³ (Respirable dust)
	Liquid Additive 2	64742-46-7	REL (for up to a 10-hour workday during a 40-hour workweek): 5 mg/m ³ [Oil mist (Mineral)]
	Liquid Additive 2	64742-46-7	STEL: 10 mg/m ³ [Oil mist (Mineral)]
	Liquid Additive 2	64742-46-7	IDLH: 2500 mg/m ³ [Oil mist (Mineral)]
	Liquid Additive 2	64742-46-7	REL (for up to a 10-hour workday during a 40-hour workweek): 100 ppm (400 mg/m ³) [Naphtha (Coal tar)]
	Liquid Additive 2	64742-46-7	IDLH: 1000 ppm [Naphtha (Coal tar)]
ACGIH	Powder 2	1317-65-3	ACGIH TLV TWA 10.0 mg/m ³ ((Inhalable particulate matter containing no asbestos and < 1% crystalline silica)
	Powder 1	1333-86-4	TLV-TWA 3.0 mg/m ³
	Liquid Additive 2	64742-46-7	8-Hour Exposure Limit (TLV-TWA): 5 mg/m ³ (Mineral oil, excluding metal working fluids, pure, highly and severely refined; Inhalable fraction)
WEEL	Liquid Additive 5	96-29-7	8-hr TWA 10 ppm (36.0 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:

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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	Black paste
Odor	Not determined or not available.
Odor threshold	Not determined or not available.
pH	10.1
Melting point/freezing point	Not determined or not available.
Initial boiling point/range	Not determined or not available.
Flash point (closed cup)	100°C (212°F)
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	1.427 g/cm ³
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:

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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:

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
Liquid Additive 1	oral	LD50 Rat: 1780 mg/kg
Liquid Additive 5	oral	LD50 Rat: 2326 mg/kg
	dermal	LD50 Rabbit: > 1000 mg/kg

Skin corrosion/irritation

Assessment:

Causes skin irritation

Product data:

No data available.

Substance data:

Name	Result
Liquid Additive 3	Causes severe skin burns and eye damage.
Liquid Additive 6	Causes serious eye damage.
Liquid Additive 1	Causes severe skin burns and eye damage.
Liquid Additive 4	Causes skin irritation

Serious eye damage/irritation

Assessment:

Causes serious eye irritation

Product data:

No data available.

Substance data:

Name	Result
Liquid Additive 6	Causes skin irritation
Liquid Additive 5	Causes serious eye damage.
Liquid Additive 4	Causes serious eye irritation

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Respiratory or skin sensitization

Assessment:

May cause an allergic skin reaction

Product data:

No data available.

Substance data:

Name	Result
Liquid Additive 4	May cause an allergic skin reaction
Liquid Additive 5	May cause an allergic skin reaction.
Liquid Additive 6	May cause an allergic skin reaction.

Carcinogenicity

Assessment:

May cause cancer

Product data: No data available.

Substance data:

Name	Species	Result
Powder 1	Not applicable.	The carcinogenic classification only applies to airborne, unbound particles of respirable size.
Liquid Additive 5	Not applicable	May cause cancer.

International Agency for Research on Cancer (IARC):

Name	Classification
Powder Additive	Group 3 - Not classifiable as to its carcinogenicity to humans
Powder 1	Group 2B - Possibly carcinogenic to humans

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.

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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
Liquid Additive 5	LC50 - <i>Oryzias latipes</i> - > 100 mg/L - 96 h

Chronic (long-term) toxicity

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

Product data: No data available.

Substance data:

Name	Result
Liquid Additive 5	NOEC - <i>Oryzias latipes</i> - ~ 50 mg/L - 14 d

Persistence and degradability

Product data: No data available.

Substance data:

Name	Result
Liquid Additive 5	Inherent degradability in water and soil.

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

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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

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

Bulk Name	None
Ship type	None
Pollution category	None

SECTION 15: Regulatory information

United States regulations

Inventory listing (TSCA):

64742-46-7	Liquid Additive 2	Listed
17689-77-9	Liquid Additive 3	Listed
919-30-2	Liquid Additive 1	Listed
22984-54-9	Liquid Additive 4	Listed
96-29-7	Liquid Additive 5	Listed
2224-33-1	Liquid Additive 6	Listed
7631-86-9	Powder Additive	Listed
1317-65-3	Powder 2	Listed

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1333-86-4	Powder 1	Listed
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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:

64742-46-7	Liquid Additive 2	Listed
17689-77-9	Liquid Additive 3	Not Listed
919-30-2	Liquid Additive 1	Not Listed
22984-54-9	Liquid Additive 4	Not Listed
96-29-7	Liquid Additive 5	Not Listed
2224-33-1	Liquid Additive 6	Not Listed
7631-86-9	Powder Additive	Listed
1317-65-3	Powder 2	Listed
1333-86-4	Powder 1	Listed

New Jersey Right to Know:

1333-86-4	Powder 1	Listed
64742-46-7	Liquid Additive 2	Listed
17689-77-9	Liquid Additive 3	Not Listed
919-30-2	Liquid Additive 1	Not Listed
22984-54-9	Liquid Additive 4	Not Listed
96-29-7	Liquid Additive 5	Not Listed
2224-33-1	Liquid Additive 6	Not Listed
7631-86-9	Powder Additive	Listed
1317-65-3	Powder 2	Listed

New York Right to Know:

1333-86-4	Powder 1	Not Listed
64742-46-7	Liquid Additive 2	Not Listed
17689-77-9	Liquid Additive 3	Not Listed

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919-30-2	Liquid Additive 1	Not Listed
22984-54-9	Liquid Additive 4	Not Listed
96-29-7	Liquid Additive 5	Not Listed
2224-33-1	Liquid Additive 6	Not Listed
7631-86-9	Powder Additive	Not Listed
1317-65-3	Powder 2	Not Listed

Pennsylvania Right to Know:

1333-86-4	Powder 1	Listed
64742-46-7	Liquid Additive 2	Listed
17689-77-9	Liquid Additive 3	Not Listed
919-30-2	Liquid Additive 1	Not Listed
22984-54-9	Liquid Additive 4	Not Listed
96-29-7	Liquid Additive 5	Not Listed
2224-33-1	Liquid Additive 6	Not Listed
7631-86-9	Powder Additive	Listed
1317-65-3	Powder 2	Listed

California Proposition 65:

⚠️WARNING: This product can expose you to Carbon Black; 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: 2-0-0

HMIS: 2-0-0

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End of Safety Data Sheet