

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 02.06.2019

Page 1 of 12

Revision date: 02.05.2020

Silicone Sealant - Oxime - Copper

SECTION 1: Identification

Product identifier

Product name: Silicone Sealant - Oxime - Copper

Product code: 32325, 32925



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

Carcinogenicity, category 1B

Skin irritation, category 2

Eye irritation, category 2A

Label elements

Hazard pictograms:



Signal word: Danger

Hazard statements:

H317 May cause an allergic skin reaction.

H350 May cause cancer.

H315 Causes skin irritation.

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.

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 02.06.2019

Page 2 of 12

Revision date: 02.05.2020

Silicone Sealant - Oxime - Copper

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.

P264 Wash hands thoroughly after handling.

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

P308+P313 If exposed or concerned: Get medical advice/attention

P362 Take off contaminated clothing and wash before reuse

P332+P313 If skin irritation occurs: 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: 1317-65-3	Powder	<40
CAS number: 64742-46-7	Liquid Additive 1	<10
CAS number: 22984-54-9	Liquid Additive 2	<5
CAS number: 96-29-7	Liquid Additive 3	<10
CAS number: 2224-33-1	Liquid Additive 4	<5
CAS number: 68611-44-9	Powder Additive	<10

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:

Loosen clothing as necessary and position individual in a comfortable position

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 02.06.2019

Page 3 of 12

Revision date: 02.05.2020

Silicone Sealant - Oxime - Copper

Maintain an unobstructed airway
Get medical advice/attention if you feel unwell

After skin contact:

Rinse affected area with soap and water
If symptoms develop or persist, seek medical attention
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/flush exposed eye(s) gently using water for 15-20 minutes
If symptoms develop or persist, seek medical attention
Avoid direct contact and wear chemical protective gloves, if necessary
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 until medical aid is available
Immediately call a POISON CONTROL CENTER or seek medical attention
Continue rinsing for 15-20 minutes
Get medical advice if eye irritation persists

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:

Not determined or not applicable.

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:

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

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:

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

Special precautions:

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 02.06.2019

Page 4 of 12

Revision date: 02.05.2020

Silicone Sealant - Oxime - Copper

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	1317-65-3	OSHA PEL TWA 15 mg/m ³ (Total dust)
	Powder Additive	68611-44-9	8-Hour TWA: 0.8 mg/m ³
	Powder	1317-65-3	OSHA PEL TWA 5 mg/m ³ (Respirable fraction)
	Liquid Additive 1	64742-46-7	PEL: 5 mg/m ³ [Oil mist (Mineral)]
	Liquid Additive 1	64742-46-7	PEL: 100 ppm (400 mg/m ³) [Naphtha]
ACGIH	Powder	1317-65-3	ACGIH TLV TWA 10.0 mg/m ³ ((Inhalable particulate matter containing no asbestos and < 1% crystalline silica)

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 02.06.2019

Page 5 of 12

Revision date: 02.05.2020

Silicone Sealant - Oxime - Copper

Country (Legal Basis)	Substance	Identifier	Permissible concentration
	Liquid Additive 1	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 3	96-29-7	8-hr TWA 10 ppm (36.0 mg/m ³)
NIOSH	Powder	1317-65-3	REL: 10 mg/m ³ (Total dust); 5 mg/m ³ (Respirable dust)
	Liquid Additive 1	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 1	64742-46-7	STEL: 10 mg/m ³ [Oil mist (Mineral)]
	Liquid Additive 1	64742-46-7	IDLH: 2500 mg/m ³ [Oil mist (Mineral)]
	Liquid Additive 1	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 1	64742-46-7	IDLH: 1000 ppm [Naphtha (Coal tar)]

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.

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 02.06.2019

Page 6 of 12

Revision date: 02.05.2020

Silicone Sealant - Oxime - Copper

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance	Copper paste
Odor	Not available
Odor threshold	Not available
pH	10.1
Melting point/freezing point	Not available
Initial boiling point/range	Not available
Flash point (closed cup)	100°C (212°F)
Evaporation rate	Not available
Flammability (solid, gas)	Not available
Upper flammability/explosive limit	Not available
Lower flammability/explosive limit	Not available
Vapor pressure	Not available
Vapor density	Not available
Density	1.007 g/cm ³
Relative density	Not available
Solubilities	Not determined or not available.
Partition coefficient (n-octanol/water)	Not available
Auto/Self-ignition temperature	Not available
Decomposition temperature	Not available
Dynamic viscosity	Not available
Kinematic viscosity	Not available
Explosive properties	Not available
Oxidizing properties	Not available

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.

Conditions to avoid:

None known.

Incompatible materials:

None known.

Hazardous decomposition products:

None known.

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 02.06.2019

Page 7 of 12

Revision date: 02.05.2020

Silicone Sealant - Oxime - Copper

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 3	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 4	Causes serious eye damage.
Liquid Additive 2	Causes skin irritation

Serious eye damage/irritation

Assessment:

Causes serious eye irritation

Product data:

No data available.

Substance data:

Name	Result
Liquid Additive 4	Causes skin irritation
Liquid Additive 2	Causes serious eye irritation
Liquid Additive 3	Causes serious eye damage.

Respiratory or skin sensitization

Assessment:

May cause an allergic skin reaction

Product data:

No data available.

Substance data:

Name	Result
Liquid Additive 2	May cause an allergic skin reaction
Liquid Additive 3	May cause an allergic skin reaction.
Liquid Additive 4	May cause an allergic skin reaction.

Carcinogenicity

Assessment:

May cause cancer

Product data: No data available.

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 02.06.2019

Page 8 of 12

Revision date: 02.05.2020

Silicone Sealant - Oxime - Copper

Substance data:

Name	Species	Result
Liquid Additive 3		May cause cancer.

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

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:

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 3	LC50 - Oryzias latipes - > 100 mg/L - 96 h

Chronic (long-term) toxicity

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 02.06.2019

Page 9 of 12

Revision date: 02.05.2020

Silicone Sealant - Oxime - Copper

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

Product data: No data available.

Substance data:

Name	Result
Liquid Additive 3	NOEC - Oryzias latipes - ~ 50 mg/L - 14 d

Persistence and degradability

Product data: No data available.

Substance data:

Name	Result
Liquid Additive 3	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

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
-----------	---------------

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 02.06.2019

Page 10 of 12

Revision date: 02.05.2020

Silicone Sealant - Oxime - Copper

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 1	Listed
22984-54-9	Liquid Additive 2	Listed
96-29-7	Liquid Additive 3	Listed
2224-33-1	Liquid Additive 4	Listed
68611-44-9	Powder Additive	Listed
1317-65-3	Powder	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:

64742-46-7	Liquid Additive 1	Listed
22984-54-9	Liquid Additive 2	Not Listed
96-29-7	Liquid Additive 3	Not Listed
2224-33-1	Liquid Additive 4	Not Listed
68611-44-9	Powder Additive	Not Listed
1317-65-3	Powder	Listed

New Jersey Right to Know:

64742-46-7	Liquid Additive 1	Listed
22984-54-9	Liquid Additive 2	Not Listed

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 02.06.2019

Page 11 of 12

Revision date: 02.05.2020

Silicone Sealant - Oxime - Copper

96-29-7	Liquid Additive 3	Not Listed
2224-33-1	Liquid Additive 4	Not Listed
68611-44-9	Powder Additive	Not Listed
1317-65-3	Powder	Listed

New York Right to Know:

64742-46-7	Liquid Additive 1	Not Listed
22984-54-9	Liquid Additive 2	Not Listed
96-29-7	Liquid Additive 3	Not Listed
2224-33-1	Liquid Additive 4	Not Listed
68611-44-9	Powder Additive	Not Listed
1317-65-3	Powder	Not Listed

Pennsylvania Right to Know:

64742-46-7	Liquid Additive 1	Listed
22984-54-9	Liquid Additive 2	Not Listed
96-29-7	Liquid Additive 3	Not Listed
2224-33-1	Liquid Additive 4	Not Listed
68611-44-9	Powder Additive	Not Listed
1317-65-3	Powder	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.

NFPA: 2-0-0

HMIS: 2-0-0

Initial preparation date: 02.06.2019

Revision date: 02.05.2020

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 02.06.2019

Page 12 of 12

Revision date: 02.05.2020

Silicone Sealant - Oxime - Copper

End of Safety Data Sheet