



# SAFETY DATA SHEET

Issuing Date 16-Apr 2015

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Revision Number 2

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Product identifier

Product SDS Name                      Silicone Sealant - Acetoxy - Black

### J-B Weld FG SKU Part Numbers Covered

31319, 31919

### J-B Weld Product Names Covered

Black RTV™ (all sizes)

### J-B Weld Product Type

Silicone – Acetoxy Grade

### Recommended use of the chemical and restrictions on use

Recommended Use                      Automotive Sealant & Gasket Maker

Uses advised against                      No information available

### Details of the supplier of the safety data sheet

Supplier Name                              J-B WELD COMPANY,LLC  
Supplier Address                            1130 COMO ST  
    SULPHUR SPRINGS, TX 75482  
    USA

**Emergency Telephone Numbers**      Transportation Emergencies: Chemtrec (24 hour transportation emergency response info):  
    800-424-9300 or 703-527-3887  
  
    Poison/Medical Emergencies: Poison Control Centers (24 hour emergency poison / medical  
    response info): 800-222-1222

Supplier Email                              [info@jbweld.com](mailto:info@jbweld.com)

Supplier Phone Number                      903-885-7696



## 2. HAZARDS IDENTIFICATION

### Classification

This product is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

### GHS Label elements, including precautionary statements

#### Emergency Overview

<b>Signal word</b>	None	<b>Physical State</b>	Solid Gel Consistency Solid	<b>Odor</b>	Slight
<b>Appearance</b>	See Package Color				

#### **Precautionary Statements - Prevention**

Obtain special instructions before use

#### **Precautionary Statements - Response**

None

#### **Precautionary Statements - Storage**

None

#### **Precautionary Statements - Disposal**

None

#### **Hazards not otherwise classified (HNOC)**

Not applicable

#### **Unknown Toxicity**

80.6% of the mixture consists of ingredient(s) of unknown toxicity

#### **Other information**

No information available

#### **Interactions with Other Chemicals**

No information available.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Carbon Black	1333-86-4	<1
Dibutyltin Diacetate	1067-33-0	<1
Titanium Dioxide	13463-67-7	<1
Acetic Acid	0064-19-7	<1
Acetic Anhydride	0108-24-7	<1
Decamethylcyclopentasiloxane	0541-02-6	<1
Octamethylcyclotetrasiloxane	0556-67-2	<1
Methyltriacetoxysilane	4253-34-3	2
Ethyltriacetoxysilane	17689-77-9	2
Dimethyl Siloxane, Trimethylsiloxy-terminated	63148-62-9	2
Silica, Amorphous	7631-86-9	10
Dimethyl Siloxane, Hydroxy-terminated	70131-67-8	85

\*The exact percentage (concentration) of composition has been withheld as a trade secret



#### 4. FIRST AID MEASURES

##### First aid measures

##### **Eye Contact**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention if irritation develops and persists.

##### **Skin Contact**

Wash skin with soap and water. Get medical attention if irritation develops and persists.

##### **Inhalation**

IF exposed or concerned: Get medical advice/attention.

##### **Ingestion**

IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.

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

##### **Most Important Symptoms and Effects**

No information available.

##### Indication of any immediate medical attention and special treatment needed

##### **Notes to Physician**

Treat symptomatically.

#### 5. FIRE-FIGHTING MEASURES

##### Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

##### Unsuitable extinguishing media

None.

##### Specific Hazards Arising from the Chemical

No information available.

##### Hazardous Combustion Products

Carbon oxides.

##### Explosion Data

Sensitivity to Mechanical Impact No. Sensitivity

to Static Discharge No.

##### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

#### 6. ACCIDENTAL RELEASE MEASURES

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

##### **Personal Precautions**

Avoid contact with eyes.

##### Environmental Precautions



**Environmental Precautions** See Section 12 for additional Ecological Information.

**Methods and material for containment and cleaning up**

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Pick up and transfer to properly labeled containers.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Handling** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes.

**Conditions for safe storage, including any incompatibilities**

**Storage** Keep container tightly closed.

**Incompatible Products** None known.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Silica 7631-86-9	-	TWA: 20 mppcf : (80)/(% SiO <sub>2</sub> ) mg/m <sup>3</sup> TWA	IDLH: 3000 mg/m <sup>3</sup> TWA: 6 mg/m <sup>3</sup>
Titanium dioxide 13463- 67-7	TWA: 10 mg/m <sup>3</sup>	TWA: 15 mg/m <sup>3</sup> total dust (vacated) TWA: 10 mg/m <sup>3</sup> total dust	IDLH: 5000 mg/m <sup>3</sup>
Aluminum 7429- 90-5	TWA: 1 mg/m <sup>3</sup> respirable fraction	TWA: 15 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable fraction (vacated) TWA: 15 mg/m <sup>3</sup> total dust (vacated) TWA: 5 mg/m <sup>3</sup> respirable fraction (vacated) TWA: 5 mg/m <sup>3</sup> Al Aluminum	TWA: 10 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable dust
Carbon black 1333- 86-4	TWA: 3 mg/m <sup>3</sup> inhalable fraction	TWA: 3.5 mg/m <sup>3</sup> (vacated) TWA: 3.5 mg/m <sup>3</sup>	IDLH: 1750 mg/m <sup>3</sup> TWA: 3.5 mg/m <sup>3</sup> TWA: 0.1 mg/m <sup>3</sup> Carbon black in presence of Polycyclic aromatic hydrocarbons PAH

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits NIOSH IDLH Immediately Dangerous to Life or Health

**Appropriate engineering controls**

**Engineering Measures** None under normal use conditions

**Individual protection measures, such as personal protective equipment**

**Eye/Face Protection** Use safety glasses.

**Skin and Body Protection** Use chemical protective glove.



**Respiratory Protection** No special protective equipment required.

**Hygiene Measures** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Physical and Chemical Properties

<b>Physical State</b>	Solid Gel Consistency Solid		
<b>Appearance</b>	Various Colors	<b>Odor</b>	Slight
<b>Color</b>	No information available	<b>Odor Threshold</b>	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks/ Method</u>
pH	No data available	None known
Melting / freezing point	No data available	None known
Boiling point / boiling range	No data available	None known
Flash Point	212°F / 100° C (Closed Cup)	None known
Evaporation Rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air		
Upper flammability limit	No data available	
Lower flammability limit	No data available	
Vapor pressure	No data available	None known
Vapor density	No data available	None known
Specific Gravity	1.007	None known
Water Solubility	Insoluble	None known
Solubility in other solvents	No data available	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known
Explosive properties	No data available	
Oxidizing Properties	No data available	

### Other Information

<b>Softening Point</b>	No data available
<b>VOC Content (%)</b>	<3%
<b>Particle Size</b>	No data available
<b>Particle Size Distribution</b>	

## 10. STABILITY AND REACTIVITY

### Reactivity

No data available.

### Chemical stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

### Hazardous Polymerization

Hazardous polymerization does not occur.

### Conditions to avoid

None known based on information supplied.

### Incompatible materials

None known.



**Hazardous Decomposition Products**

Carbon oxides.

**11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure****Product Information**

<b>Inhalation</b>	Specific test data for the substance or mixture is not available.
<b>Eye Contact</b>	Specific test data for the substance or mixture is not available.
<b>Skin Contact</b>	Specific test data for the substance or mixture is not available.
<b>Ingestion</b>	Specific test data for the substance or mixture is not available.

**Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Silica 7631-86-9	> 5000 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	> 2.2 mg/L ( Rat ) 1 h
Titanium dioxide 13463-67-7	> 10000 mg/kg ( Rat )	-	-
Carbon black 1333-86-4	> 15400 mg/kg ( Rat )	> 3 g/kg ( Rabbit )	-

**Information on toxicological effects**

**Symptoms** No information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Sensitization** No information available.

**Mutagenic Effects** No information available.

**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Silica 7631-86-9		Group 3		
Titanium dioxide 13463-67-7		Group 2B		X
Carbon black 1333-86-4	A3	Group 2B		X

**Reproductive Toxicity** No information available.

**STOT - single exposure** No information available.

**STOT - repeated exposure** No information available.

**Chronic Toxicity**

This product contains titanium dioxide in a non-respirable form. Inhalation of titanium dioxide is unlikely to occur from exposure to this product. Titanium dioxide has been classified by the International Agency for Research on Cancer (IARC) as possibly carcinogenic to humans (Group 2B) by inhalation.

**Target Organ Effects**

None known.

**Aspiration Hazard**

No information available.

**Numerical measures of toxicity Product Information**

The following values are calculated based on chapter 3.1 of the GHS document

Not applicable

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

The environmental impact of this product has not been fully investigated.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Silica 7631-86-9	72h EC50: = 440 mg/L (Pseudokirchneriella subcapitata)	96h LC50: = 5000 mg/L (Brachydanio rerio)		48h EC50: = 7600 mg/L
Carbon black 1333-86-4				24h EC50: > 5600 mg/L

### Persistence and Degradability

No information available.

### Bioaccumulation

No information available

### Other adverse effects

No information available.

## 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods

#### Disposal methods

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Dispose of contents/containers in accordance with local regulations.

#### Contaminated Packaging

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste
Aluminum 7429-90-5	Ignitable powder

## 14. TRANSPORT INFORMATION

DOT  NOT REGULATED TDG  Not regulated

MEX  Not regulated

ICAO  Not regulated

IATA  Not regulated

IMDG/IMO  Not regulated

RID  Not regulated

ADR  Not regulated



ADN \_\_\_\_\_ Not regulated

## 15. REGULATORY INFORMATION

### International Inventories

TSCA Complies  
 DSL All components are listed either on the DSL or NDSL.

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
 DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

### US Federal Regulations

#### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
Aluminum - 7429-90-5	7429-90-5	1 - 5	1.0

#### SARA 311/312 Hazard Categories

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

#### CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

#### CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

### US State Regulations

#### California Proposition 65

This product contains the following Proposition 65 chemicals.

Chemical Name	California Proposition 65
Titanium dioxide - 13463-67-7	Carcinogen
Carbon black - 1333-86-4	Carcinogen

#### U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Illinois
Silica 7631-86-9		X	X		
Titanium dioxide 13463- 67-7	X	X	X		
Aluminum 7429- 90-5	X	X	X	X	
Carbon black 1333- 86-4	X	X	X		X

### International Regulations



**Mexico National occupational exposure limits**

Component	Carcinogen Status	Exposure Limits
Titanium dioxide 13463-67-7 ( 1 - 5 )		Mexico: TWA= 10 mg/m <sup>3</sup> Mexico: STEL= 20 mg/m <sup>3</sup>
Aluminum 7429-90-5 ( 1 - 5 )		Mexico: TWA= 10 mg/m <sup>3</sup>
Carbon black 1333-86-4 ( 0.1 - 1 )		Mexico: TWA 3.5 mg/m <sup>3</sup> Mexico: STEL 7 mg/m <sup>3</sup>

Mexico - Occupational Exposure Limits - Carcinogens

**Canada****WHMIS Hazard Class**

D2A - Very toxic materials

**16. OTHER INFORMATION**

<b>NFPA</b>	<b>Health Hazards</b> 1	<b>Flammability</b> 0	<b>Instability</b> 0	<b>Physical and Chemical Hazards - Personal Protection</b> X
<b>HMIS</b>	<b>Health Hazards</b> 2 *	<b>Flammability</b> 0	<b>Physical Hazard</b> 0	

**Chronic Hazard Star Legend** \* = Chronic Health Hazard

**Prepared By** Product Stewardship  
23 British American Blvd.  
Latham, NY 12110  
1-800-572-6501

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**Revision Note** No information available

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release 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 or in any process, unless specified in the text

**End of Safety Data Sheet**