



**SAFETY DATA SHEET**  
**Silicone Sealant - Black**

**1. COMPANY AND PRODUCT IDENTIFICATION**

Product Name: <b>Silicone Sealant - Black</b>		Date: 6-18-2015
Company: EasyPro Pond Products		Recommended Use: Sealant
Address: 4385 E 110 <sup>th</sup> , Grant, MI 49327 USA		Emergency Telephone: 800-424-9300
Phone: 231-834-7720	Fax: 231-834-5537	(CHEMTREC) International: 1-703-527-3887

**2. HAZARDS IDENTIFICATION**

**GHS Classification:** Not a hazardous substance or mixture.  
**Acute Effects:** No information on significant adverse effects.  
**Delayed Effects:** No information on significant adverse effects.

**Indication of Immediate Medical Attention and Special Treatment Needed, If Needed:**  
Treat symptomatically and supportively.

**GHS Label Elements**

**Symbol(s):** None.  
**Signal Word:** None.  
**Hazard Statement(s):** None known.

**Precautionary Statement(s)**

**Prevention:** Use only outdoors or in a well-ventilated area. Avoid release to the environment.  
**Response:** None known.  
**Storage:** Keep in properly labeled containers. Store in accordance with the particular national regulations.  
**Disposal:** Dispose of contents/container in accordance with local/regional/national/international regulations.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

CAS	Component	Percent
7631-86-9	Silicon dioxide	5 - <10
64742-46-7	Distillates (petroleum), hydrotreated middle	5 - <10
13463-67-7	Titanium dioxide	1 - <5
7429-90-5	Aluminum	1 - <5
1333-86-4	Carbon Black	0.1 - <1

#### 4. FIRST AID MEASURES

- General Advice:** Keep out of reach of children. Use with care.
- Inhalation:** IF INHALED: Remove to fresh air. Get medical attention if symptoms occur.
- Skin Contact:** IF ON SKIN: Wash off with soap and water as a precaution. Get medical advice/attention if symptoms occur.
- Eye Contact:** IF IN EYES: Flush eyes with water as a precaution. If eye irritation develops and persists, get medical advice/attention.
- Ingestion:** If swallowed, DO NOT induce vomiting. Get immediate medical attention if symptoms occur. Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person

#### 5. FIRE FIGHTING MEASURES

**Extinguishing Media:**

**Suitable:** Use carbon dioxide, regular dry chemical, alcohol-resistant foam or water.

**Unsuitable:** None known.

**Specific Hazard Arising from Chemical**

**Hazardous Decomposition Products:**

Upon decomposition, this product emits carbon oxides, silicone oxides, formaldehyde and metal oxides.

**Special Protective Equipment and Precautions for Fire-fighters:**

Exposure to combustion products may be a hazard to health. In the event of a fire, fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode and impervious protective clothing.

**Specific Extinguishing Methods:**

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

Use water spray to cool unopened containers.

Remove undamaged containers from fire area if it is safe to do so.

Evacuate area.

#### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Follow safe handling advice and personal protective equipment recommendations. Avoid contact with skin, eyes or clothing.

**Environmental precautions:** Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Retain and dispose of contaminate wash water. Local authorities should be advised if significant spillages cannot be contained.

**Clean up methods:** Absorb with inert absorbent material. For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absorbent. Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases.

## 7. HANDLING AND STORAGE

**Handling:** Handle in accordance with good industrial hygiene and safety practice. Take care to prevent spills, waste and minimize release to the environment.

Do not eat, drink, or smoke when using this product. Wash thoroughly after handling. Wash contaminated clothing before reuse.

**Storage:** Store and handle in accordance with all current regulations and standards. Keep in properly labeled containers. Keep separated from incompatible substances. Keep out of reach of children.

**Incomp. Materials:** Strong oxidizing materials.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Component Exposure Limits

CAS	Component	Exposure Limits
7631-86-9	Silicon dioxide	<b>OSHA Z-3:</b> 20 million particles/ft <sup>3</sup> (Silica) TWA (dust); 80 mg/m <sup>3</sup> / %SiO <sub>2</sub> (Silica) TWA (dust)
		<b>NIOSH REL:</b> 6 mg/m <sup>3</sup> (Silica) TWA
64742-46-7	Distillates (petroleum), hydrotreated middle	<b>OSHA Z-1:</b> 5 mg/m <sup>3</sup> TWA (mist)
		<b>OSHA P0:</b> 5 mg/m <sup>3</sup> TWA (mist)
13463-67-7	Titanium dioxide	<b>ACGIH:</b> 10 mg/m <sup>3</sup> TWA
		<b>OSHA Z-1:</b> 15 mg/m <sup>3</sup> TWA (total dust)
7429-90-5	Aluminum	<b>ACGIH:</b> 1 mg/m <sup>3</sup> TWA (respirable fraction)
		<b>OSHA Z-1:</b> 15 mg/m <sup>3</sup> TWA (total dust); 5 mg/m <sup>3</sup> TWA (respirable fraction)
		<b>NIOSH REL:</b> 5 mg/m <sup>3</sup> TWA (respirable fraction); 10 mg/m <sup>3</sup> TWA (total); 5 mg/m <sup>3</sup> TWA (pyro powders)
1333-86-4	Carbon black	<b>ACGIH:</b> 3 mg/m <sup>3</sup> TWA (inhalable fraction)
		<b>OSHA Z-1:</b> 3.5 mg/m <sup>3</sup> TWA
		<b>NIOSH REL:</b> 3.5 mg/m <sup>3</sup> TWA

**Appropriate Engineering Controls**

Processing may form hazardous compounds (see section 10).

Ensure adequate ventilation, especially in confined areas. Ensure compliance with applicable exposure limits.

Dust formation may be relevant in the processing of this product. In addition to substance-specific OELs, general limitations of concentrations of particulates in the air at work-places have to be considered in workplace risk assessment.

Relevant limits include: OSHA PEL for Particulates Not Otherwise Regulated of 15 mg/m<sup>3</sup> - total dust, 5 mg/m<sup>3</sup> - respirable fraction; and ACGIH TWA for Particles (insoluble or poorly soluble) Not Otherwise Specified of 3 mg/m<sup>3</sup> - respirable particles, 10 mg/m<sup>3</sup> - inhalable particles.

**Individual Protection Measures**

**Eye/Face Protection:** Wear safety goggles. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

**Skin Protection:** Skin should be washed after contact.

**Hand Protection:** Wash hands before breaks and at the end of workday.

**Respiratory Protection:** General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Information on basic physical and chemical properties**

<b>Physical State</b>	Liquid
<b>Appearance:</b>	Paste
<b>Physical Form:</b>	Paste
<b>Color:</b>	In accordance with product description
<b>Odor:</b>	Acetic Acid
<b>Odor Threshold:</b>	Not available

<b><u>Property</u></b>	<b><u>Values</u></b>
<b>pH:</b>	Not applicable
<b>Melting Point:</b>	Not available
<b>Boiling Point:</b>	Not applicable
<b>Decomposition:</b>	Not available
<b>Flash Point:</b>	>100°C (Closed cup)
<b>Evaporation Rate:</b>	Not applicable
<b>OSHA Flammability Class:</b>	Not classified as a flammability hazard
<b>Vapor Pressure:</b>	Not applicable
<b>Vapor Density:</b>	Not available
<b>Density:</b>	1.007
<b>Specific Gravity:</b>	Not available
<b>Water solubility:</b>	Not available
<b>Log KOW:</b>	Not available
<b>Coeff. Water/Oil Dist:</b>	Not available

<b>KOC:</b>	Not available
<b>Auto-ignition:</b>	Not available
<b>Viscosity:</b>	Not available
<b>VOC:</b>	Not available
<b>Volatility:</b>	Not available
<b>Molecular Formula:</b>	Not available

## 10. STABILITY AND REACTIVITY

**Reactivity:** Not classified as a reactivity hazard.

**Stability:** Stable at normal temperatures and pressure.

### Possibility of Hazardous Reactions:

Use at elevated temperatures may form highly hazardous compounds.  
 Can react with strong oxidizing agents.  
 Acetic acid is formed upon contact with water or humid air.  
 When heated to temperatures above 150 °C (300 °F) in the presence of air, trace quantities of formaldehyde may be released.  
 See OSHA formaldehyde standard, 29 CFR 1910.1048  
 Hazardous decomposition products will be formed at elevated temperatures.

**Conditions to avoid:** None known.

**Incompatible Materials:** Strong oxidizing materials.

### Hazardous Decomposition Products:

Upon decomposition, this product emits carbon oxides, silicon oxides, formaldehyde, and metal oxides.

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

#### Component Analysis – LD50/LC50

CAS	Component	Result	Species	Dose	Exposure
7631-86-9	Silicon dioxide	LD50 Oral	Rat	>3300 mg/kg	N/A
		LC50 Inhalation	Rat	>2.08 mg/L	4 hr
		LD50 Dermal	Rabbit	>5000 mg/kg	N/A
64742-46-7	Distillates (petroleum), hydrotreated middle	LD50 Oral	Rat	>5000 mg/kg	N/A
		LC50 Inhalation	Rat	1.78 mg/L	4 hr
		LD50 Dermal	Rat	>2000 mg/kg	N/A
13463-67-7	Titanium dioxide	LD50 Oral	Rat	>10000 mg/kg	N/A
		LC50 Inhalation	Rat	>5000 mg/kg	4 hr
7429-90-5	Aluminum	LD50 Oral	Rat	>5000 mg/kg	N/A
		LC50 Inhalation	Rat	>0.888 mg/L	4 hr
1333-86-4	Carbon black	LD50 Oral	Rat	>5000 mg/kg	N/A
		LC50 Inhalation	Rat	>0.0046 mg/L	4 hr

**Information on Likely Routes of Exposure**

**Inhalation:** Not classified based on available information.  
**Ingestion:** Not classified based on available information.  
**Skin Contact:** Not classified based on available information.  
**Eye Contact:** Not classified based on available information.  
**Immediate Effects:** Not classified based on available information.  
**Delayed Effects:** No information is available.

**Medical Conditions Aggravated**

**by Exposure:** No information is available.  
**Irritation/Corrosivity Data:** Not classified based on available information.  
**Respiratory Sensitization:** Not classified based on available information.  
**Dermal Sensitization:** Not classified based on available information.  
**Germ Cell Mutagenicity:** Not classified based on available information.  
**Carcinogenicity:** Not classified based on available information.

**Component Carcinogenicity**

CAS	Component	Result
13463-67-7	Titanium dioxide	<b>IARC:</b> Group 2B (possibly carcinogenic to humans)
		<b>OSHA:</b> Not present at levels greater than or equal to 0.1% to be identified as a carcinogen or potential carcinogen
		<b>NTP:</b> Not present at levels greater than or equal to 0.1% to be identified as a carcinogen or potential carcinogen
1333-86-4	Carbon Black	<b>IARC:</b> Group 2B (possibly carcinogenic to humans)
		<b>OSHA:</b> Not present at levels greater than or equal to 0.1% to be identified as a carcinogen or potential carcinogen
		<b>NTP:</b> Not present at levels greater than or equal to 0.1% to be identified as a carcinogen or potential carcinogen

**Reproductive Toxicity:** Not classified based on available information.

**Specific Target Organ Toxicity-**

**Single Exposure:** No target organs identified.  
**Repeated Exposure:** No target organs identified.

**Aspiration Hazard:** Not classified based on available information.

**12. ECOLOGICAL INFORMATION**

**Eco-toxicity** No information available for the product.

**Component Analysis – Aquatic Toxicity**

CAS	Component	Aquatic	Result	Species	Dose	Exposure
13463-67-7	Titanium dioxide	Fish	LC50	Rainbow trout ( <i>Oncorhynchus mykiss</i> )	>100 mg/L	96 hr
		Invertebrates	EC50	Water flea ( <i>Daphnia magna</i> )	>100 mg/L	48 hr
		Algae	EC50	Marine diatom ( <i>Skeletonema costatum</i> )	>10000 mg/L	72 hr
		Bacteria	EC50	N/A	>1000 mg/L	3 hr
7429-90-5	Aluminum	Fish	LC50	Rainbow trout ( <i>Oncorhynchus mykiss</i> )	14.6 mg/L	96 hr
		Invertebrates	EC50	Water flea ( <i>Daphnia magna</i> )	>0.135 mg/L	48 hr
		Algae	EC50	Green algae ( <i>Pseudokirchneriella subcapitata</i> )	>0.004 mg/L	72 hr
		Fish (Chronic toxicity)	NOEC	Fathead minnow ( <i>Pimephales promelas</i> )	7.1 mg/L	28 d
1333-86-4	Carbon black	Fish	LC50	Zebrafish ( <i>Danio rerio</i> )	1000 mg/L	96 hr
		Invertebrates	EC50	Water flea ( <i>Daphnia magna</i> )	>5600 mg/L	24 hr
		Algae	NOEC	Green algae ( <i>Desmodesmus subspicatus</i> )	10000 mg/L	72 hr

**Environmental Toxicity**

<b>Persistence and Degradability:</b>	No information available for the product.
<b>Bioaccumulation Potential:</b>	No information available for the product.
<b>Mobility in Soil:</b>	No information available for the product.
<b>Biodegradation:</b>	No information available for the product.

**13. DISPOSAL CONSIDERATIONS**

**Disposal Methods:** Dispose in accordance with all applicable federal, state/regional and local laws and regulations. This product has been evaluated for RCRA characteristics and does not meet the criteria of hazardous waste if discarded in its purchased form.

**Disposal of Contaminated Packaging:**

Dispose of unused product properly. Empty containers should be taken to an approved waste handling site for recycling or disposal.

**Component Waste Numbers:**

The U.S. EPA has not published waste numbers for this product's components.

**14. TRANSPORTATION INFORMATION****International Regulation**

<b>UNRTDG:</b>	Not regulated as a dangerous good.
<b>IATA-DGR:</b>	Not regulated as a dangerous good.
<b>IMDG-Code:</b>	Not regulated as a dangerous good.

**Transport in bulk according to Annex II  
of MARPOL 73/78 and the IBC Code:** Not applicable for product as supplied.

**Domestic Regulation**

**49 CFR:** Not regulated as a dangerous good.

**15. REGULATORY INFORMATION**

**US Federal Regulations**

**SARA 302 Extremely Hazardous Substances:**

None contained in product.

**SARA 304:** Not applicable.

**SARA 311/312:** None known.

**SARA 313:** Aluminum (7429-90-5) 1.6%

**TSCA:** All components of this product are listed on TSCA Inventory.

**CERCLA Reportable Quantity:**

CAS	Component	Component RQ (lbs)	Calculated Product RQ (lbs)
108-24-7	Acetic anhydride	5000	Exceeds reasonably attainable upper limit.
64-19-7	Acetic acid	5000	Exceeds reasonably attainable upper limit.

**US State Regulations**

**Pennsylvania Right to Know**

CAS	Component	Percent
70131-67-8	Dimethyl siloxane, hydroxy-terminated	70-90%
7631-86-9	Silicon dioxide	5-10%
64742-46-7	Distillates (petroleum), hydrotreated middle	5-10%
1332-37-2	Iron oxide	1-5%
13463-67-7	Titanium oxide	1-5%
7429-90-5	Aluminum	1-5%
64-19-7	Acetic acid	0-0.1%
108-24-7	Acetic anhydride	0-0.1%

**New Jersey Right to Know**

CAS	Component	Percent
70131-67-8	Dimethyl siloxane, hydroxy-terminated	70-90%
7631-86-9	Silicon dioxide	5-10%
64742-46-7	Distillates (petroleum), hydrotreated middle	5-10%
1332-37-2	Iron oxide	1-5%
13463-67-7	Titanium oxide	1-5%
7429-90-5	Aluminum	1-5%
1333-86-4	Carbon Black	0-0.1%

**California Proposition 65:** This product does not contain any chemicals known by the State of California to cause cancer or reproductive harm.



**Component Analysis – International Inventories**

Component	CAS	US	CA	EU	AU	PH	JP	KR	CN	NZ
Silicon dioxide	7631-86-9	Yes	DSL	REACH	Yes	Yes	Yes	Yes	Yes	Yes
Distillates (petroleum), hydrotreated middle	64742-46-7	Yes	DSL	REACH	Yes	Yes	Yes	Yes	Yes	Yes
Titanium dioxide	13463-67-7	Yes	DSL	REACH	Yes	Yes	Yes	Yes	Yes	Yes
Aluminum	7429-90-5	Yes	DSL	REACH	Yes	Yes	N/A	Yes	Yes	Yes
Carbon black	1333-86-4	Yes	DSL	REACH	Yes	Yes	Yes	Yes	Yes	Yes

**16. OTHER INFORMATION**

Revision Date: 6/18/15

NFPA Ratings:

Health: 1

Fire: 1

Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe



HMIS III:

Health: 1

Flammability: 1

Physical Hazard: 0

0 = Not Significant, 1 = Slight, 2 = Moderate, 3 = High, 4 = Extreme, \* = Chronic

Key/Legend:

AICS (Australia); DSL (Canada); IECSC (China); REACH (European Union); ENCS (Japan); ISHL (Japan); KECI (Korea); NZIoC (New Zealand); PICCS (Philippines); TCSI (Taiwan); TSCA (USA); ACGIH – USA. ACGIH Threshold Limit Values (TLV); NIOSH REL – USA.

NIOSH Recommended Exposure Limits; OSHA P0 – USA. OSHA – TABLE Z-1 Limits for Air Contaminants – 1910.1000; OSHA Z-1 – USA. Occupational Exposure Limits (OSHA) – Table Z-1 Limits for Air Contaminates; OSHA Z-3 – USA. Occupational Exposure Limits (OSHA) – Table Z-3 Mineral Dusts; ACGIH / TWA – 8-hour, time-weighted average; NIOSH REL / TWA – Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek; NIOSH REL / ST – STEL – 15-minute TWA exposure that should not be exceeded at any time during a workday; OSHA P0 / TWA - 8-hour, time-weighted average; OSHA Z-1 / TWA - 8-hour, time-weighted average; OSHA Z-3 / TWA - 8-hour, time-weighted average

The information and recommendations set forth herein are presented in good faith and believed to be correct as of the date hereof. The manufacturer/supplier makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving it will make their own determination as to its suitability for their purposes prior to use. In no event will the manufacturer/supplier be responsible for damages of any nature whatsoever resulting from the use of or reliance upon information. No representations or warranties, either expressed or implied, of merchantability or fitness for a particular use are made hereunder with respect to this information or the product to which information refers. End of SDS.