



SAFETY DATA SHEET Silicone Sealant - Black

1. COMPANY AND PRODUCT IDENTIFICATION

Product Name: Silicone Sealant - Black		Revision Date: 11-04-2020
Company: EasyPro Pond Products		Recommended Use: Sealant
Address: 4385 E 110 th , Grant, MI 49327 USA		Emergency Telephone: 800-424-9300 (CHEMTREC) International: 1-703-527-3887
Phone: 231-834-7720	Fax: 231-834-5537	

2. HAZARD(S) IDENTIFICATION

GHS Classification: Not a hazardous substance or mixture.

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.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Substance/Mixture: Mixture
Chemical Nature: Silicone Elastomer

Hazardous Ingredients

CAS	Component	Percent
7631-86-9	Silicon dioxide	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.
Most important symptoms and effects, both acute and delayed:	None known.
Protection of first-aiders:	No special precautions are necessary for first aid responders.
Notes to physician:	Treat symptomatically and supportively.

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 the Chemical

Exposure to combustion products may be a hazard to health.

Hazardous Combustion Products:

Carbon oxides, silicone oxides, formaldehyde and metal oxides.

Special Protective Equipment and Precautions for Fire-fighters:

Wear self-contained breathing for firefighting if necessary. Use personal protective equipment.

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, Protective

Equipment and Emergency Procedures:

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

Environmental precautions:

Discharge into the environment must be avoided. 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.

**Methods and Materials for
Containment and Cleaning Up:**

Soak up 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. You will need to determine which regulations are applicable.

Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

7. HANDLING AND STORAGE

Technical Measures:	See Engineering measures under EXPOSURE CONTROLS / PERSONAL PROTECTION section.
Local/Total ventilation:	Use only with adequate ventilation.
Advice on safe handling:	Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure assessment. Take care to prevent spills, waste and minimize release to the environment.
Conditions for safe storage:	Keep in properly labeled containers. Store in accordance with the particular national regulations
Materials to avoid:	Do not store with the following product types: Strong oxidizing materials.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Component Exposure Limits

CAS	Component	Exposure Limits
7631-86-9	Silicon dioxide	OSHA Z-3: 20 million particles/ft ³ (Silica) TWA (dust); 80 mg/m ³ / %SiO ₂ (Silica) TWA (dust)
		NIOSH REL: 6 mg/m ³ (Silica) TWA
		ACGIH: 10 mg/m ³ TWA
13463-67-7	Titanium dioxide	ACGIH: 1 mg/m ³ TWA (respirable fraction)
		OSHA Z-1: 15 mg/m ³ TWA (total dust)
7429-90-5	Aluminum	ACGIH: 3 mg/m ³ TWA (inhalable fraction)
		OSHA Z-1: 15 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable fraction)
		NIOSH REL: 5 mg/m ³ TWA (respirable fraction); 10 mg/m ³ TWA (total)
1333-86-4	Carbon black	OSHA Z-1: 3.5 mg/m ³ TWA
		NIOSH REL: 3.5 mg/m ³ TWA

These substance(s) are inextricably bound in the product and therefore do not contribute to a dust inhalation hazard.

Silicon dioxide
Titanium dioxide
Carbon black

Engineering Measures

Processing may form hazardous compounds (see section 10).
Ensure adequate ventilation, especially in confined areas.
Minimize workplace exposure concentrations.
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 workplaces have to be considered in workplace risk assessment. Relevant limits include: OSHA PEL for Particulates Not Otherwise Regulated of 15 mg/m³ - total dust, 5 mg/m³ - respirable fraction; and ACGIH TWA for Particles (insoluble or poorly soluble) Not Otherwise Specified of 3 mg/m³ - respirable particles, 10 mg/m³ - inhalable particles.

Personal Protective Equipment

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.

Hand Protection:

Wash hands before breaks and at the end of workday.

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. When using do not eat, drink or smoke.

Hygiene Measures:

Wash contaminated clothing before re-use. These precautions are for room temperature handling. Use at elevated temperatures or aerosol/spray applications may require added precautions.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

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

Property

pH:

Values

Not applicable

Melting Point:	Not available
Boiling Point:	Not applicable
Decomposition:	Not available
Flash Point:	>100°C (Closed cup)
Evaporation Rate:	Not applicable
OSHA Flammability Class:	Not classified as a flammability hazard
Vapor Pressure:	Not applicable
Vapor Density:	Not available
Density:	1.007
Specific Gravity:	Not available
Water solubility:	Not available
Log KOW:	Not available
Coeff. Water/Oil Dist:	Not available
KOC:	Not available
Auto-ignition:	Not available
Viscosity:	Not applicable
VOC:	Not available
Volatility:	Not available
Molecular Formula:	Not available

10. STABILITY AND REACTIVITY

Reactivity: Not classified as a reactivity hazard.

Chemical 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.

Adequate ventilation is required.

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: Oxidizing agents.

Hazardous Decomposition Products:

Thermals decomposition Formaldehyde

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Not classified based on available information.

Ingredients:

CAS	Component	Result	Species	Dose	Exposure
7631-86-9	Silicon dioxide	LD50 Oral	Rat	>3300 mg/kg	N/A
		LC50 Inhalation (dust/mist)	Rat	>2.08 mg/L	4 hr
		LD50 Dermal	Rabbit	>5000 mg/kg	N/A
13463-67-7	Titanium dioxide	LD50 Oral	Rat	>10000 mg/kg	N/A
		LC50 Inhalation (dust/mist)	Rat	>6.82 mg/L	4 hr
7429-90-5	Aluminum	LD50 Oral	Rat	>5000 mg/kg	N/A
		LC50 Inhalation (dust/mist)	Rat	>0.888 mg/L	4 hr
1333-86-4	Carbon black	LD50 Oral	Rat	>5000 mg/kg	N/A
		LC50 Inhalation (dust/mist)	Rat	>0.0046 mg/L	4 hr
		LD50 Dermal	Rabbit	>3000 mg/kg	N/A

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	IARC: Group 2B (possibly carcinogenic to humans)
		OSHA: Not present at levels greater than or equal to 0.1% to be identified as a carcinogen or potential carcinogen
		NTP: 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	IARC: Group 2B (possibly carcinogenic to humans)
		OSHA: Not present at levels greater than or equal to 0.1% to be identified as a carcinogen or potential carcinogen
		NTP: 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

Ecotoxicity

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	NOEC	Brown trout (<i>Salmo trutta</i>)	>80 µg/L	96 hr
		Invertebrates	NOEC	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

Persistence and Degradability: No information available for the product.

Bioaccumulation Potential: No information available for the product.

Mobility in Soil: No information available for the product.

Other adverse effects: No information available for the product.

13. DISPOSAL CONSIDERATIONS

Disposal Methods

Resource Conservation

and Recovery Act (RCRA):

This Product has been evaluated for RCRA characteristics and does not meet the criteria of hazardous waste if discarded in its purchased form.

Waste from residues:

Dispose of in accordance with local regulations.

Contaminated packaging:

Empty containers should be taken to an approved waste handling site for recycling or disposal. If not otherwise specified: Dispose of as unused product.

14. TRANSPORTATION INFORMATION

International Regulation

UNRTDG:

Not regulated as a dangerous good.

IATA-DGR:

Not regulated as a dangerous good.

IMDG-Code:

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

EPCRA – Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity:

Ingredients	CAS No.	Component RQ (lbs)	Calculated Product RQ (lbs)
Acetic anhydride	108-24-7	5000	*
Acetic Acid	64-19-7	5000	*

*Calculated RQ exceeds reasonably attainable upper limit.

US Federal Regulations

SARA 304 Extremely Hazardous Substances Reportable Quantity:

This material does not contain any components with Section 304 EHS RQ.

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity:

This material does not contain any components with Section 302 EHS TPQ.

SARA 311/312 Hazards:

No SARA Hazards.

SARA 313:

The following components are subject to reporting levels established by SARA Title III, Section 313

Aluminum	7429-90-5	<=1.575%
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US State Regulations**Pennsylvania Right to Know**

Dimethyl siloxane, hydroxy-terminated	70131-67-8
Silicon dioxide	7631-86-9
Dimethyl siloxane, trimethylsiloxy-terminated	63148-62-9
Iron oxide	1332-37-2
Titanium oxide	13463-67-7
Aluminum	7429-90-5
Pigment Blue 15	147-14-8
Acetic acid	64-19-7
Acetic anhydride	108-24-7

California Proposition 65: This product does not contain any chemicals known to the State of California to cause cancer, birth and any other reproductive defects.

California List of Hazardous Substances

Aluminum	7429-90-5
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California Permissible Exposure Limits for Chemical Contaminants

Silicon dioxide	7631-86-9
Titanium dioxide	13463-67-7
Aluminum	7429-90-5

The ingredients of this product are reported in the following inventories:

TSCA:	All chemical substances in this product are either listed on the TSCA Inventory or are in compliance with a TSCA Inventory exemption.
AICS:	All ingredients listed or exempt.
IECSC:	All ingredients listed or exempt.
PICCS:	All ingredients listed or exempt.
DSL:	All chemical substances in this product comply with the CEPA 1999 and NSNR and are on or exempt from listing on the Canadian Domestic Substances List (DSL).

16. OTHER INFORMATION

Issue Date: 6/18/15

Revision Date: 11/03/2020

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

Disclaimer:

The information contained herein is based on data considered accurate which has been obtained from other companies and organizations.

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.