

**SECTION 1: Identification****1.1 Product identifier**

Product name Acetoxy Silicone Sealant - Black

Product number 11-4

**1.3 Recommended use of the chemical and restrictions on use**

Recommended use: Adhesive, binding agents

**1.4 Supplier's details**

Name Master Products  
Address 4635 Willow Drive  
Medina, MN 55340  
USA

Telephone 612-478-2360  
email

**1.5 Emergency phone number(s)**

814-442-2778

**SECTION 2: Hazard identification****2.1 Classification of the substance or mixture**

Not a hazardous substance or mixture.

**2.2 GHS label elements, including precautionary statements**

Not a hazardous substance or mixture.

**2.3 Other hazards which do not result in classification**

Not a hazardous substance or mixture.

**SECTION 3: Composition/information on ingredients****3.2 Mixtures**

Other names / synonyms Silicone elastomer

**Hazardous components**

**1. Silicon dioxide**

Concentration  $\geq 5 - < 10$  % (Weight)  
CAS no. 7631-86-9

**2. Distillates (petroleum), hydrotreated middle**

Concentration  $\geq 5 - < 10$  % (Weight)  
CAS no. 64742-46-7

**SECTION 4: First-aid measures****4.1 Description of necessary first-aid measures**

General advice	Notes to physician: Treat symptomatically and supportively.
If inhaled	If inhaled, remove to fresh air.
In case of skin contact	Wash with water and soap as a precaution. Get medical attention if symptoms occur.
In case of eye contact	Flush eyes with water as a precaution. Get medical attention if irritation develops and persists.
If swallowed	If swallowed, DO NOT induce vomiting. Get medical attention if symptoms occur. Rinse mouth thoroughly with water.
Personal protective equipment for first-aid responders	No special precautions are necessary for first aid responders.

**4.2 Most important symptoms/effects, acute and delayed**

None known.

**SECTION 5: Fire-fighting measures****5.1 Suitable extinguishing media**

Water spray  
Alcohol-resistant foam  
Dry chemical  
Carbon dioxide (CO<sub>2</sub>)

**5.2 Specific hazards arising from the chemical**

Exposure to combustion products may be a hazard to health.

**5.3 Special protective actions for fire-fighters**

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

**Further information**

Hazardous combustion products:  
Carbon oxides  
Silicon oxides  
Formaldehyde

## **SECTION 6: Accidental release measures**

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

Follow safe handling advice and personal protective equipment recommendations.

### **6.2 Environmental precautions**

Discharge into the environment must be avoided.  
Prevent further leakage or spillage if safe to do so.  
Retain and dispose of contaminated wash water.  
Local authorities should be advised if significant spillages cannot be contained.

### **6.3 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.

#### **Reference to other sections**

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

## **SECTION 7: Handling and storage**

### **7.1 Precautions for safe handling**

See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.

Use only with adequate ventilation.

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

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

Keep in properly labeled containers.  
Store in accordance with the particular national regulations.

Do not store with the following product types:  
Strong oxidizing agents

## **SECTION 8: Exposure controls/personal protection**

### **8.1 Control parameters**

#### **1. Silicon dioxide (CAS: 7631-86-9)**

TWA (Inhalation): 20 million particles per cubic foot (Silica) (OSHA)

**2. Silicon dioxide (CAS: 7631-86-9)**

TWA (Inhalation): 80 mg/m<sup>3</sup> / %SiO<sub>2</sub> (Silica) (OSHA)

**3. Silicon dioxide (CAS: 7631-86-9)**

TWA: 6 mg/m<sup>3</sup> (Silica) (NIOSH)

**4. Distillates (petroleum), hydrotreated middle (CAS: 64742-46-7)**

TWA (Inhalation): 5 mg/m<sup>3</sup> (OSHA)

**5. Distillates (petroleum), hydrotreated middle (CAS: 64742-46-7)**

TWA (Inhalation): 5 mg/m<sup>3</sup> (OSHA)

**6. Distillates (petroleum), hydrotreated middle (CAS: 64742-46-7)**

TWA (Inhalation): 5 mg/m<sup>3</sup> (NIOSH)

**7. Distillates (petroleum), hydrotreated middle (CAS: 64742-46-7)**

ST (Inhalation): 10 mg/m<sup>3</sup> (NIOSH)

**8.2 Appropriate engineering controls**

Processing may form hazardous compounds (see section 10).

Ensure adequate ventilation, especially in confined areas.

Minimize workplace exposure concentrations.

**8.3 Individual protection measures, such as personal protective equipment (PPE)**

**Eye/face protection**

Wear the following personal protective equipment:

Safety glasses

**Skin protection**

Skin should be washed after contact.

Wash hands before breaks and at the end of workday.

**Body protection**

When using do not eat, drink or smoke.

Wash contaminated clothing before re-use.

**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.

**Environmental exposure controls**

Ensure that eye flushing systems and safety showers are located close to the working place.

These precautions are for room temperature handling. Use at elevated temperature or aerosol/spray applications may require added precautions.

## SECTION 9: Physical and chemical properties

### Information on basic physical and chemical properties

Appearance/form	Paste
Odor	Acetic acid
Odor threshold	No data available
pH	Not applicable
Melting point/freezing point	No data available
Initial boiling point and boiling range	Not applicable
Flash point	>100 degrees C closed cup
Evaporation rate	Not applicable
Flammability (solid, gas)	Not classified as a flammability hazard
Upper/lower flammability limits	No data available
Upper/lower explosive limits	No data available
Vapor pressure	Not applicable
Vapor density	No data available
Relative density	1.007
Solubility(ies)	No data available
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	Not applicable
Explosive properties	Not explosive
Oxidizing properties	The substance or mixture is not classified as oxidizing.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Not classified as a reactivity hazard.

### 10.2 Chemical stability

Stable under normal conditions.

### 10.3 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.

Adequate ventilation is required.

See OSHA formaldehyde standard, 29 CFR 1910.1048

Hazardous decomposition products will be formed at elevated temperatures.

### 10.4 Conditions to avoid

None known.

### 10.5 Incompatible materials

Oxidizing agents

### 10.6 Hazardous decomposition products

Formaldehyde

## SECTION 11: Toxicological information

### Information on toxicological effects

### **Acute toxicity**

Not classified based on available information.

Acute inhalation toxicity : Acute toxicity estimate: > 10 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist

Method: Calculation method

Ingredients:

Silicon dioxide:

Acute oral toxicity : LD50 (Rat): > 3,300 mg/kg

Assessment: The substance or mixture has no acute oral toxicity

Remarks: Information taken from reference works and the literature.

Acute inhalation toxicity : LC50 (Rat): > 2.08 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist

Assessment: The substance or mixture has no acute inhalation toxicity

Remarks: Information taken from reference works and the literature.

Acute dermal toxicity : LD50 (Rabbit): > 5,000 mg/kg

Assessment: The substance or mixture has no acute dermal toxicity

Remarks: Information taken from reference works and the literature.

Distillates (petroleum), hydrotreated middle:

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg

Acute inhalation toxicity : LC50 (Rat): 1.78 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist

Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg

### **Skin corrosion/irritation**

Not classified based on available information.

Ingredients:

Silicon dioxide:

Result: No skin irritation

Remarks: Information taken from reference works and the literature.

### **Serious eye damage/irritation**

Not classified based on available information.

Ingredients:

Silicon dioxide:

Result: No eye irritation

Remarks: Information taken from reference works and the literature.

### **Respiratory or skin sensitization**

Skin sensitization: Not classified based on available information.

Respiratory sensitization: Not classified based on available information.

Ingredients:

Silicon dioxide:

Assessment: Does not cause skin sensitization.

Test Type: Skin: test type not specified

Species: Guinea pig

Remarks: No known sensitizing effect.

Information taken from reference works and the literature.

**Germ cell mutagenicity**

Not classified based on available information.

Ingredients:

Silicon dioxide:

Genotoxicity in vitro : Result: negative

Remarks: Information taken from reference works and the literature.

Genotoxicity in vivo : Application Route: Ingestion

Result: negative

Remarks: Information taken from reference works and the literature.

Germ cell mutagenicity - Assessment

: Animal testing did not show any mutagenic effects.

**Carcinogenicity**

Not classified based on available information.

IARC No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**Reproductive toxicity**

Reproductive toxicity: Not classified based on available information.

**STOT-single exposure**

Not classified based on available information.

**STOT-repeated exposure**

STOT-repeated exposure: Not classified based on available information.

**Aspiration hazard**

Aspiration toxicity: Not classified based on available information.

Ingredients:

Distillates (petroleum), hydrotreated middle:

The substance or mixture is known to cause human aspiration toxicity hazards or has to be regarded as if it causes a human aspiration toxicity hazard.

**SECTION 12: Ecological information****Toxicity**

No data available

**Persistence and degradability**

No data available

**Bioaccumulative potential**

No data available

**Mobility in soil**

No data available

**Other adverse effects**

No data available

## SECTION 13: Disposal considerations

**Disposal of the product**

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.

**Disposal of contaminated packaging**

Dispose of as unused product.

Empty containers should be taken to an approved waste handling site for recycling or disposal.

## SECTION 14: Transport information

**DOT (US)**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations specific for the product in question

**EPCRA - Emergency Planning and Community Right-to-Know**

CERCLA Reportable Quantity

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

\*: Calculated RQ exceeds reasonably attainable upper limit.

**SARA 304 Extremely Hazardous Substances Reportable Quantity**

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

**SARA 311/312 Hazards**

No SARA Hazards

**SARA 302 Components**

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302



### **SARA 313 Components**

This material does not contain any chemical components with known CAS numbers that exceed the threshold reporting levels established by SARA Title III, Section 313

### **US State Regulations**

#### **Pennsylvania Right To Know**

Dimethyl siloxane, hydroxy-terminated 70131-67-8 70 - 90 %  
Silicon dioxide 7631-86-9 5 - 10 %  
Distillates (petroleum), hydrotreated middle 64742-46-7 5 - 10 %  
Iron oxide 1332-37-2 <=3.2%  
Titanium dioxide 13463-67-7 <=2.2%  
Aluminium 7429-90-5 <=1.6%  
Carbon black 1333-86-4 <=0.4%  
Acetic acid 64-19-7 0 - 0.1 %  
Acetic anhydride 108-24-7 0 - 0.1 %

#### **New Jersey Right To Know**

Dimethyl siloxane, hydroxy-terminated 70131-67-8 70 - 90 %  
Silicon dioxide 7631-86-9 5 - 10 %  
Distillates (petroleum), hydrotreated middle 64742-46-7 5 - 10 %  
Dimethyl siloxane, trimethylsiloxy-terminated 63148-62-9 1 - 5 %  
Iron oxide 1332-37-2 <=3.2%  
Titanium dioxide 13463-67-7 <=2.2%  
Aluminium 7429-90-5 <=1.6%  
Carbon black 1333-86-4 <=0.4%

#### **California Prop 65**

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

## **15.2 Chemical Safety Assessment**

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

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).  
REACH : All ingredients (pre-)registered or exempt.  
TSCA : All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

#### **Inventories**

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), NECSI (Taiwan), TSCA (USA)

## **SECTION 16: Other information**

**NFPA:** Flammability 1, Health 1, Instability 0

**HMIS:** Health 1, Flammability 1, Physical Hazard 0

0 = not significant, 1 =Slight,

2 = Moderate, 3 = High  
4 = Extreme, \* = Chronic

**Full text of other abbreviations**

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 Contaminants  
OSHA Z-3 : USA. Occupational Exposure Limits (OSHA) - Table Z-3 Mineral Dusts  
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

Sources of key data used to compile the Material Safety Data Sheet: Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agency, <http://echa.europa.eu/>

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