

### 1. CHEMICAL AND COMPANY IDENTIFICATION

Product Identifier: CIRIUS SILICONE PAINT MEDIUM

Use: Silicone RTV Rubber Coating;  
Professional/Industrial use

Company: ENVIRONMOLDS, LLC  
18 BANK STREET, SUMMIT NJ )7901

Phone Number: 908-273-5401

Emergency Phone: CHEMTREC 1-(800)-424-9300

Email: info@environmolds.com

### 2. HAZARDS IDENTIFICATION

#### HAZARD CLASSIFICATION:

|  |             |
|--|-------------|
| Flammable Liquid                           | Category 3  |
| Acute Toxicity (Dermal)                    | Category 4  |
| Acute Toxicity (Inhalation-vapor)          | Category 4  |
| Skin Corrosion/Irritation                  | Category 2  |
| Serious Eye Damage/Eye Irritation          | Category 2B |
| Carcinogenicity                            | Category 2  |
| Toxic Reproduction                         | Category 2  |
| Specific Target Organ Toxicity             | Category 3  |
| Acute Hazards to the Aquatic Environment   | Category 2  |
| Chronic Hazards to the Aquatic Environment | Category 2  |

SIGNAL WORD: WARNING



#### HAZARD STATEMENTS:

Flammable liquid and vapor. Harmful if inhaled. Suspected of causing cancer. Suspected of damaging fertility or the unborn child. Causes skin and eye irritation. Toxic to aquatic life with long lasting effects.

#### PRECAUTIONARY STATEMENTS:

Keep away from heat/sparks/open flames/ hot surfaces. No smoking. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Wear protective gloves/protective clothing/eye protection/face protection. In case of inadequate ventilation wear respiratory protection. Avoid release to the environment.

IF ON SKIN: Take off immediately all contaminated clothing. Rinse skin with water.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If exposed or concerned: Get medical advice/attention. Collect Spillage.

Store in a well ventilated place. Keep container tightly closed. Dispose of contents and container in accordance with local, state, and federal laws and regulations, and product characteristics at time of disposal.

ADDITIONAL INFORMATION: None.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Mixture

Components:

| CHEMICAL                     | CAS NO.   | WGT.%  |
|------------------------------|-----------|--------|
| Xylene                       | 1330-20-7 | 40-70  |
| Ethylbenzene                 | 100-41-4  | 10-30  |
| Methylsilanetriyl triacetate | 4253-34-3 | 1-5    |
| Toluene                      | 108-88-3  | .5-1.5 |
| Dibutyltin dilaurate         | 77-58-7   | <0.1   |

\*All ingredients are percent by weight.

### 4. FIRST AID MEASURES

INHALATION: Move to fresh air. If breathing is difficult, give oxygen. If breathing stops, provide artificial respiration. Get medical attention immediately.

SKIN CONTACT: Wipe excess material off skin with a dry cloth. Wash contact area with soap and water. Get medical attention if irritation or other symptoms develop. Wash contaminated clothing before reuse.

EYE CONTACT: Absorb excess with clean absorbent cloth or cotton. Immediately flush with plenty of water for at least 15 minutes, holding eyelids open to be sure material is washed out. Remove contact lenses if easy to do. Get medical attention.

INGESTION: Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into lungs. Rinse mouth thoroughly. Get medical attention immediately.

Notes to Physician:

Hazards: No specific recommendations

Treatment: Any material aspirated during vomiting may cause severe lung injury.

### 5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Dry chemical, carbon dioxide (CO<sub>2</sub>), and alcohol resistant foam.

UNSUITABLE EXTINGUISHING MEDIA: Do not use water jet as an extinguisher, as this will spread fire.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Flammable. Hazardous decomposition products: Oxides of carbon and silica, formaldehyde.

SPECIAL FIRE FIGHTING PROCEDURES: Vapors may travel considerable distance to a source of ignition and flash back. Containers may explode (due to the build-up of pressure) when exposed to extreme heat.

SPECIAL PROTECTIVE EQUIPMENT & PRECAUTIONS FOR FIREFIGHTERS: Wear approved positive pressure, self-contained breathing apparatus (SCUBA) and full body protective clothing. Use water to cool fire exposed containers and disperse vapors.

### 6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES: Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Do not breathe vapor. Wear appropriate protective clothing, gloves and safety glasses to prevent eye and skin contact.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP: Dike and contain spill. Scrape up with non-sparking tools or cover with an inert absorbent material and collect into an appropriate container for disposal. Do not discharge into drains, water courses or onto the ground. Caution: Contaminated surfaces may be slippery.

### 7. HANDLING AND STORAGE

HANDLING: Use with adequate ventilation. Avoid breathing mist or vapor from heated material. In case of inadequate ventilation, use respiratory protection. Avoid contact with skin and eyes. Ground container and transfer equipment to eliminate static electric sparks. Keep away from heat, sparks and open flame. Do not mix with incompatible materials—SEE SECTION 10: Stability and Reactivity.

STORAGE: Store in original, unopened containers in a cool, dry, place with adequate ventilation. Keep away from incompatible materials, open flames, and high temperatures.

### 8. EXPOSURE CONTROL / PERSONAL PROTECTION

#### OCCUPATIONAL EXPOSURE LIMITS:

| CHEMICAL | TYPE | EXPOSURE LIMIT VALUES         | SOURCE   |
|----------|------|-------------------------------|--|
| Xylene   | TWA  | 100 ppm                       | US. ACGIH Threshold Limit Values (01 2010)         |
|          | STEL | 150 ppm                       | US. ACGIH Threshold Limit Values (01 2010)         |
|          | REL  | 10 ppm 435 mg/m <sup>3</sup>  | US. NIOSH: Pocket Guide to Chemical Hazards (2005) |
|          | STEL | 10 ppm 655 mg/m <sup>3</sup>  | US. NIOSH: Pocket Guide to Chemical Hazards (2005) |
|          | PEL  | 100 ppm 435 mg/m <sup>3</sup> | US. OSHA Table Z-1 Limits for                      |

# SAFETY DATA SHEET

|                             |          |                               | Air Contaminants (29 CFR 1910.1000) (02 2006)  |
|-----------------------------|----------|-------------------------------|--|
| Xylene                      | STEL     | 150 ppm 655 mg/m <sup>3</sup> | US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)   |
|                             | TWA      | 100 ppm 435 mg/m <sup>3</sup> | US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)   |
|                             | Ceiling  | 300 ppm                       | US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006) |
|                             | TWA PEL  | 100 ppm 435 mg/m <sup>3</sup> | US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006) |
| Ethylbenzene                | STEL     | 10 ppm 655 mg/m <sup>3</sup>  | US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006) |
|                             | STEL     | 125 ppm                       | US. ACGIH Threshold Limit Values (01 2010)   |
|                             | TWA      | 100 ppm                       | US. ACGIH Threshold Limit Values (01 2010)   |
|                             | TWA      | 20 ppm                        | US. ACGIC Notice of Intended Changes (NIC) to Threshold Limit Values (01 2010)             |
|                             | REL      | 100 ppm 435 mg/m <sup>3</sup> | US. NIOSH: Pocket Guide to Chemical Hazards (2005)   |
|                             | STEL     | 125 ppm 545 mg/m <sup>3</sup> | US. NIOSH: Pocket Guide to Chemical Hazards (2005)   |
|                             | PEL      | 100 ppm 435 mg/m <sup>3</sup> | US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)                |
|                             | TWA      | 100 ppm 435 mg/m <sup>3</sup> | US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)   |
|                             | STEL     | 150 ppm 655 mg/m <sup>3</sup> | US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)   |
|                             | TWA PEL  | 100 ppm 435 mg/m <sup>3</sup> | US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006) |
| Toluene                     | STEL     | 125 ppm 545 mg/m <sup>3</sup> | US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006) |
|                             | TWA      | 20 ppm                        | US. ACGIC Threshold Limit Values (01 2010)   |
|                             | REL      | 100 ppm 375 mg/m <sup>3</sup> | US. NIOSH: Pocket Guide to Chemical Hazards (2005)   |
|                             | STEL     | 150 ppm 560 mg/m <sup>3</sup> | US. NIOSH: Pocket Guide to Chemical Hazards (2005)   |
|                             | TWA      | 100 ppm 375 mg/m <sup>3</sup> | US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)   |
|                             | STEL     | 150 ppm 560 mg/m <sup>3</sup> | US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)   |
|                             | TWA      | 200 ppm                       | US. OSHA Table Z-2 (29 CFR 1910.1000) (02 2006)  |
|                             | MAX CONC | 500 ppm                       | US. OSHA Table Z-2 (29 CFR 1910.1000) (02 2006)  |
|                             | Ceiling  | 300 ppm                       | US. OSHA Table Z-2 (29 CFR 1910.1000) (02 2006)  |
|                             | STEL     | 150 ppm 560 mg/m <sup>3</sup> | US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006) |
| Dibutyltin dilaurate- as Sn | TWA PEL  | 50 ppm 188 mg/m <sup>3</sup>  | US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006) |
|                             | Ceiling  | 500 ppm                       | US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006) |
|                             | TWA      | 0.1 mg/m <sup>3</sup>         | US. ACGIH Threshold Limit Values (01 2010)   |
|                             | STEL     | 0.2 mg/m <sup>3</sup>         | US. ACGIH Threshold Limit Values (01 2010)   |
|                             | REL      | 0.1 mg/m <sup>3</sup>         | US. NIOSH: Pocket Guide to Chemical Hazards (2005)   |
|                             | PEL      | 0.1 mg/m <sup>3</sup>         | US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)                |
|                             | TWA      | 0.1 mg/m <sup>3</sup>         | US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)   |
|                             | STEL     | 0.2 mg/m <sup>3</sup>         | US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006) |
|                             | TWA PEL  | 0.1 mg/m <sup>3</sup>         | US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006) |
|                             | TWA PEL  | 0.1 mg/m <sup>3</sup>         | US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006) |

Note: Limits/standards shown for guidance only. Follow applicable regulations.

## BIOLOGICAL LIMIT VALUES:

| CHEMICAL   | Exposure Limit Values           | Source              |
|--|---------------------------------|---------------------|
| Xylene (Methylhippuric acids: Sampling time: End of shift.)  | 1.5 g/g (Creatinine in urine)   | ACGIH BEL (01 2010) |
| Ethylbenzene (Sum of mandelic acid and phenylglyoxylic acid: Sampling time: End of shift at end of work week.) | 0.7 g/g (Creatinine in urine)   | ACGIH BEL (01 2010) |
| Toluene (Toluene: Sampling time: End of shift.)  | 0.03 mg/l (Urine)               | ACGIH BEL (01 2010) |
| Toluene (Toluene: Sampling time: Prior to work shift of last week.)  | 0.02 mg/l (Blood)               | ACGIH BEL (01 2010) |
| Toluene (o-Cresol, with hydrolysis: Sampling time: End of shift.)  | 0.03 mg/l (Creatinine in Urine) | ACGIH BEL (01 2010) |

**PROTECTIVE MEASURES:** Provide adequate ventilation during operations which cause vapor formation. This product can form formaldehyde vapors when heated to temperatures above 150 degrees C in the presence of air.

**RESPIRATORY PROTECTION:** If ventilation is insufficient, suitable respiratory protection must be provided. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to fumes at levels exceeding the exposure limits.

**SKIN PROTECTON:** Good industrial hygiene practice to minimize skin contact. Wear suitable protective clothing and gloves.

**EYE PROTECTION:** Wear approved chemical safety glasses with side shields or goggles.

**OTHER PROTECTIVE MEASURES:** Observe good personal hygiene measures, such as washing after handling material, especially before eating, drinking, and smoking. Wash work clothing periodically and protective equipment to remove contaminants.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|  |                                    |
|--|------------------------------------|
| Appearance:                              | Clear or Colored, liquid           |
| Odor:                                    | Xylene                             |
| Odor Threshold:                          | No data available                  |
| pH:                                      | Not applicable                     |
| Freezing Point:                          | No data available                  |
| Boiling Point:                           | 280 F (138 C)                      |
| Flash Point:                             | 79 F (26C) Closed Cup              |
| Evaporation Rate:                        | No data available                  |
| Flammability (solid, gas):               | No data available                  |
| Flammability Limit—Upper(% by Volume):   | 7%                                 |
| Flammability Limit—Lower(% by Volume):   | 1% (V)                             |
| Vapor Pressure:                          | 8 hPa (68F (20C))                  |
| Vapor Density:                           | No data available                  |
| Relative Density:                        | No data available                  |
| Solubility in Water:                     | Insoluble                          |
| Solubility in Other:                     | No data available                  |
| Partition Coefficient (n-octanol/water): | No data available                  |
| Auto-ignition Temperature:               | No data available                  |
| Decomposition Temperature:               | No data available                  |
| Viscosity:                               | 800 mm <sup>2</sup> /s (77F (25C)) |

## 10. STABILITY AND REACTIVITY

**REACTIVITY:** No data available

**CHEMICAL STABILITY:** Stable

**POSSIBILITY OF HAZARDOUS REACTION:** Will not occur  
**CONDITIONS TO AVOID:** Avoid heat, sparks, open flames and other ignition sources.

**INCOMPATIBLE MATERIALS:** Strong oxidizers, strong acids, strong bases.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal breakdown may release carbon oxides and traces of incompletely burned carbon compounds and other toxic gases or vapors.

## 11. TOXICOLOGICAL INFORMATION

Following information is based on Product, unless otherwise noted.

### ROUTES OF EXPOSURE

**INHALATION:** No data available

**INGESTION:** No data available

**SKIN CONTACT:** No data available

**EYE CONTACT:** No data available

RESPIRATORY SENSITIZATION/ IRRITATION: No data available  
 SKIN CORROSION/IRRITATION: No data available.  
 EYE DAMAGE/IRRITATION: No data available  
 SKIN SENSITIZATION: No data available  
 CHRONIC HEALTH EFFECTS: No data available  
 ACUTE TOXICITY VALUES:

| Acute Toxicity (Oral):       | Test Results           |
|------------------------------|------------------------|
| Product                      | ATXmix: 3,413.84 mg/kg |
| Acute Toxicity (Dermal):     | Test Results           |
| Product                      | No data available      |
| Acute Toxicity (Inhalation): | Test Results           |
|                              | No data available      |

MUTAGENICITY: No data available.  
 CARCINOGENICITY: Product: No Data available  
Component: Ethylbenzene  
 IARC—Overall Evaluation: Possibly carcinogenic to humans  
 NTP—No carcinogenic components identified  
 OSHA (29 CFR 1910.1001-1050)—No carcinogenic components identified  
 REPRODUCTIVE TOXICITY: No data available  
 SPECIFIC TARGET ORGAN TOXICITY (Single or Repeated Exposure):  
 No Data available  
 OTHER INFORMATION: None

### 12. ECOLOGICAL INFORMATION

ECOTOXICITY: No data available  
 PERSISTENCE AND BIODEGRADATION: No data available  
 BIOACCUMULATION: No data available  
 MOBILITY: No data available

### 13. DISPOSAL CONSIDERATIONS

Disposal should be made in accordance with federal, state and local regulations and product characteristics at time of disposal. Disposal of unused product may be subject to RCRA regulations (40 CFR 261). Disposal of the used product may also be regulated due to ignitability.

#### RCRA Information

Waste code: EPA RCRA HAZARDOUS WASTE CODE: D001

### 14. TRANSPORT INFORMATION

US DOT by Ground:

UN Number: UN 1139  
 Proper Shipping Name: COATING SOLUTION  
 Class: 3  
 Packaging Group: III  
 Label(s): 3  
 Marine Pollutant: No other information noted

By VESSEL or IMDG:

UN Number: UN 1139  
 Proper Shipping Name: COATING SOLUTION  
 Transport Hazard Class: 3  
 Packaging Group: III  
 Label(s): 3  
 Marine Pollutant: No other information noted

IATA:

UN Number: UN 1139  
 Proper Shipping Name: COATING SOLUTION  
 Transport Hazard Class: 3  
 Packaging Group: III  
 Label(s): 3

Environmental Hazards: No other information noted  
 EMERGENCY SHIPPING: CHEMTREC 1-(800)-424-9300

### 15. REGULATORY INFORMATION

Inventory Status: On or in compliance with the inventory for the following:

Australia AICS:  
 Canada DSL Inventory List:  
 China Inv. Existing Chemical Substances:  
 EU EINECS List:  
 Japan (ENCS) List:  
 Korea Existing Chemicals Inv. (KECI):

Philippines PICCS:  
 US TSCA Inventory:  
 New Zealand Inventory of Chemicals:

### U.S. Federal Regulatory Information

CERCLA Hazardous Substance List (40 CFR 302.4):  
 Xylene Reportable Quantity: 100 lbs  
 Ethylbenzene Reportable Quantity: 1000 lbs

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3):  
 Xylene Reportable Quantity: 100 lbs  
 Ethylbenzene Reportable Quantity: 1000 lbs

Clean Air Act (CAA) Section 112 (r) Accidental Release Prevention (40 CFR 68.130): None present or none present in regulated quantities.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt.D):  
 None present or none present in regulated quantities.

#### SARA Title III

Section 302 Extremely Hazardous Substance(40 CFR 68.130):  
 None present or none present in regulated quantities.

Section 304 Emergency Release Notification

Xylene Reportable Quantity: 100 lbs  
 Ethylbenzene Reportable Quantity: 1,000 lbs

Section 311, 312 (40 CFR 370):

Acute—X Chronic—X Fire—X

Section 313 Toxic Chemicals (40 CFR 372):

Xylene CAS# 1330-20-7 Reporting Threshold for manufacturing and processing is 25,000

Ethylbenzene CAS# 100-41-4 Reporting Threshold for manufacturing and processing is 25,000

### State Regulations

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986 (PROP 65): This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

Ethylbenzene Carcinogenic  
 Toluene Developmental Toxin, Female Reproductive harm

### 16. OTHER INFORMATION

HMIS HAZARD IDENTIFICATION:

H-2, F-3, PH-0, PP-H

\*H-Goggles, Gloves, Apron, Respirator

Hazard Rating: 0-Minimal; 1-Slight; 2-Moderate; 3-Serious; 4-Severe; \*Chronic Health

NFPA HAZARD IDENTIFICATION:

H-3, F-3, R-0

Hazard Rating: 0-Minimal; 1-Slight; 2-Moderate; 3-Serious; 4-Severe

Training Advice: Train personnel using this product in proper chemical handling, engineering controls and protective equipment.

Recommended Uses and Restrictions: This product is intended for industrial/professional use only.

SDS Revision Notes: Updating MSDS to SDS format.

Disclaimer: These data are offered in good faith as typical values and not as product specifications. No warranty, either expressed or implied, is made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.

Date Prepared/Revised: February 17, 2017