

# SAFETY DATA SHEET



Prepared to U.S. OSHA, CMA, ANSI, Canadian WHMIS, Australian WorkSafe, Japanese Industrial Standard JIS Z 7250:2000, and European Union REACH Regulations

## HS-3220 Clear Skylight Coating

### SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: **HS-3220 Clear Skylight Coating**  
CHEMICAL FAMILY NAME: Silicone Sealant  
U.N. NUMBER: None  
U.N. DANGEROUS GOODS CLASS: Non-Regulated Material  
SUPPLIER/MANUFACTURER'S NAME: **Progressive Materials, LLC**  
ADDRESS: 540 Central Court, New Albany, IN 47150 USA  
EMERGENCY PHONE: **TOLL-FREE in USA/Canada - Chemtrec** 1-800-424-9300  
**National Poison Control Center (U.S.)** 1-800-222-1222  
BUSINESS PHONE: 812-944-7803 (Product Information)  
WEB SITE: [www.pmsilicone.com](http://www.pmsilicone.com)  
DATE OF CURRENT REVISION: June 28, 2022  
DATE OF LAST REVISION: November 13, 2019

### SECTION 2 - HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW:

**Product Description:** This product is a clear liquid with a mild odor.

**Health Hazards:** Exposure to the product may cause skin and eye irritation. Prolonged exposure may cause skin sensitization. Ingestion is not a normal route of exposure under normal product use. If swallowed, product may cause gastrointestinal irritation. This product contains an ingredient that is suspected of causing reproductive harm.

**Flammability Hazards:** This product has a flash point of >140°F and does not sustain combustion.

**Reactivity Hazards:** None known.

**Environmental Hazards:** The environmental effects of this product have not been investigated; however it is expected to cause adverse effects in the environment.

**Emergency Considerations:** Emergency responders must wear the proper personal protective equipment (and have appropriate fire-suppression equipment) suitable for the situation to which they are responding.

#### US DOT SYMBOLS

See Section 14 for Details

#### GHS Hazard Symbols



Signal Word: **Warning!**

#### GHS CLASSIFICATION OF SUBSTANCE OR MIXTURE IN ACCORDANCE WITH 29 CFR 1200 (OSHA HCS) AND THE EUROPEAN UNION DIRECTIVES:

This product does meet the definition of a hazardous substance or preparation as defined by 29 CFR 1910. 1200 AND the European Union Council Directives 67/548/EEC, 1999/45/EC, 1272/2008/EC and subsequent Directives.

#### EU HAZARD CLASSIFICATION OF INGREDIENTS:

EC# 209-136-7 Annex VI Index# 014-018-00-1

EC# 245-366-4 This substance is not classified in the Annex VI

#### Component(s) Contributing to Classification(s)

Octamethylcyclotetrasiloxane, 2-Butanone,O,O', O''-(Methylsilyldiyl)Trioxime,

#### GHS Hazard Classification(s):

Flammable liquid Category 4

Skin Irritation Category 2

Eye Irritation Category 2A

Skin Sensitization Category 1

Reproductive Toxicity Category 2

Chronic Aquatic Toxicity Category 3

# SAFETY DATA SHEET



## HS-3220 Clear Skylight Coating

### Hazard Statement(s):

H227: Combustible liquid  
H315: Causes skin irritation  
H319: Causes serious eye irritation  
H317: May cause and allergic skin reaction  
H361: Suspected of damaging fertility or the unborn child  
H412: Harmful to aquatic life with long lasting effects

### Prevention Statement(s):

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking  
P201: Obtain special instructions before use.  
P202: Do not handle until all safety precautions have been read and understood.  
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.  
P264: Wash hands thoroughly after handling.  
P270: Do not eat, drink or smoke when using this product.  
P271: Use only outdoors or in a well-ventilated area.  
P272: Contaminated work clothing should not be allowed out of the workplace.  
P273: Avoid release to the environment.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.

### Response Statement(s):

P370+P378: In case of fire: Use media defined in Section 5 to extinguish.  
P308+P313: IF exposed or concerned: Get medical advice/attention.  
P302+P352: IF ON SKIN: Wash with plenty of water.  
P321: Specific treatment (See Section 4 of this SDS).  
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.  
P362+P364: Take off contaminated clothing and wash it before reuse.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313: If eye irritation persists: Get medical advice/attention.

### Storage Statement(s):

P403+P233: Store in a well-ventilated place. Keep container tightly closed.  
P405: Store locked up.

### Disposal Statement(s):

P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

### **HEALTH HAZARDS OR RISKS FROM EXPOSURE:**

This product does not meet the criteria for PBT or vPvB in accordance with Annex XIII

**ACUTE:** This material may cause irritation to skin, eye, and respiratory system. May cause skin sensitization. Ingestion of this product may cause gastrointestinal irritation. This product contains an ingredient(s) that are suspected of causing reproductive harm.

**CHRONIC:** Prolonged or repeated skin contact may cause skin reactions.

**TARGET ORGANS:** ACUTE: Eye, Skin CHRONIC: Skin

## SECTION 3 - COMPOSITION and INFORMATION ON INGREDIENTS

| HAZARDOUS INGREDIENTS:  | CAS #      | EINECS #  | ICSC #     | WT %    | HAZARD CLASSIFICATION                                   |
|---|------------|-----------|------------|---------|---|
| Octamethylcyclotetrasiloxane  | 556-67-2   | 209-136-7 | 0310       | 5 – 10% | REPR. CAT 2, AQUATIC CHRONIC CAT 2                      |
| 2-Butanone,O,O', O"-<br>(Methylsilylidyne)Trioxime  | 22984-54-9 | 245-366-4 | Not Listed | 5 – 10% | SKIN IRRIT CAT 2, EYE IRRIT. CAT 2A,<br>SKIN SENS CAT 1 |
| Balance of other ingredients are non-hazardous or less than 1% in concentration (or 0.1% for carcinogens, reproductive toxins, or respiratory sensitizers). |            |           |            |         |   |

\* Ingredients are Company Trade Secret - Business Confidential. Progressive Materials LLC is withholding the specific chemical information under provision of the OSHA Hazard Communication Rule Trade Secrets (1910.1200(i)(1)). The specific chemical information will be made available to health professionals in accordance with 29 CFR 1910.1200 (i)(1) (2) (3) (4)..



# SAFETY DATA SHEET

HS-3220 Clear Skylight Coating

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

**SPILL AND LEAK RESPONSE:** Personnel should be trained for spill response operations.

**SPILLS:** Contain spill if safe to do so. Prevent entry into drains, sewers, and other waterways. Soak up with a non-combustible absorbent material and place in an appropriate container for disposal. Dispose of in accordance with applicable Federal, State, and local procedures (see Section 13, Disposal Considerations).

## SECTION 7 - HANDLING and STORAGE

**WORK PRACTICES AND HYGIENE PRACTICES:** As with all chemicals, avoid getting this product ON YOU or IN YOU. Wash thoroughly after handling this product. Do not eat, drink, smoke, or apply cosmetics while handling this product. Avoid breathing vapors/mists generated by this product. Use in a well-ventilated location. Remove contaminated clothing immediately.

**STORAGE AND HANDLING PRACTICES:** Keep container tightly closed and in a dry and cool place.

## SECTION 8 - EXPOSURE CONTROLS - PERSONAL PROTECTION

### EXPOSURE LIMITS/GUIDELINES:

| Chemical Name                                      | CAS#       | ACGIH TWA  | OSHA TWA   | WEEL       |
|--|------------|------------|------------|------------|
| Octamethylcyclotetrasiloxane                       | 556-67-2   | Not Listed | Not Listed | Not Listed |
| 2-Butanone,O,O', O"-<br>(Methylsilylidyne)Trioxime | 22984-54-9 | Not Listed | Not Listed | Not Listed |

Currently, International exposure limits are not established for the components of this product. Please check with competent authority in each country for the most recent limits in place.

**VENTILATION AND ENGINEERING CONTROLS:** Use with adequate ventilation to ensure exposure levels are maintained below the limits provided above. Use local exhaust ventilation to control airborne vapor. Ensure eyewash/safety shower stations are available near areas where this product is used.

*The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132) or equivalent standard of Canada, or standards of EU member states (including EN 149 for respiratory PPE, and EN 166 for face/eye protection), and those of Japan. Please reference applicable regulations and standards for relevant details.*

**RESPIRATORY PROTECTION:** Maintain airborne contaminant concentrations below guidelines listed above, if applicable. If necessary, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent U.S. State standards, Canadian CSA Standard Z94.4-93, the European Standard EN149, or EU member states.

**EYE PROTECTION:** Safety glasses or chemical goggles as appropriate to prevent eye contact. If necessary, refer to U.S. OSHA 29 CFR 1910.133 or appropriate Canadian Standards.

**HAND PROTECTION:** Use chemical resistant gloves to prevent skin contact. If necessary, refer to U.S. OSHA 29 CFR 1910.138 or appropriate Standards of Canada.

**BODY PROTECTION:** Use body protection appropriate to prevent contact (e.g. lab coat, overalls). If necessary, refer to appropriate Standards of Canada, or appropriate Standards of the EU, Australian Standards, or relevant Japanese Standards.

## SECTION 9 - PHYSICAL and CHEMICAL PROPERTIES

|  |                               |
|--|-------------------------------|
| <b>PHYSICAL STATE:</b>                   | Liquid                        |
| <b>APPEARANCE &amp; ODOR:</b>            | Clear liquid with a mild odor |
| <b>ODOR THRESHOLD (PPM):</b>             | Not Available                 |
| <b>FLASH POINT:</b>                      | >200°F                        |
| <b>AUTOIGNITION TEMPERATURE:</b>         | Not Established               |
| <b>VAPOR PRESSURE (mmHg):</b>            | Not Available                 |
| <b>VAPOR DENSITY:</b>                    | Not Available                 |
| <b>EVAPORATION RATE (nBuAc = 1):</b>     | <1                            |
| <b>BOILING POINT (C°):</b>               | Not Available                 |
| <b>FREEZING POINT (C°):</b>              | Not Available                 |
| <b>pH:</b>                               | Not Available                 |
| <b>SPECIFIC GRAVITY 20°C: (WATER =1)</b> | Not Available                 |

# SAFETY DATA SHEET



**SOLUBILITY IN WATER (%)**  
**EXPLOSIVE PROPERTIES:**  
**OXIDISING PROPERTIES:**

Not Available  
Not Available  
Not Available

*HS-3220 Clear Skylight Coating*

## SECTION 10 - STABILITY and REACTIVITY

**STABILITY:** Product is stable

**DECOMPOSITION PRODUCTS:** When heated to decomposition this product produces noxious gases such as CO, CO<sub>2</sub>, and others.

**MATERIALS WITH WHICH SUBSTANCE IS INCOMPATIBLE:** None known

**HAZARDOUS POLYMERIZATION:** Will not occur.

**CONDITIONS TO AVOID:** Avoid moisture. Avoid direct sunlight. Avoid excessive temperatures.

## SECTION 11 - TOXICOLOGICAL INFORMATION

**TOXICITY DATA:** Toxicity data is available for this product:

|                                  |                 |     |
|----------------------------------|-----------------|-----|
| CAS# 13463-67-7 LD50 Acute Oral  | >10000 mg/kg    | Rat |
| CAS# 112945-52-5 LD50 Acute Oral | 3160 mg/kg      | Rat |
| CAS# 556-67-2 LD50 Inhalation    | >12.7 mg/kg/4Hr | Rat |
| CAS# 556-67-2 LD50 Acute Oral    | 1540 mg/kg      | Rat |
| CAS# 556-67-2 LD50 Acute Dermal  | >2400 mg/kg     | Rat |

|                                   |   |
|-----------------------------------|---|
| Acute toxicity                    | Based on available data, the classification criteria are not met          |
| Skin corrosion / irritation       | Skin Irritation Category 2  |
| Serious eye damage / irritation   | Eye Irritation Category 2A  |
| Respiratory or skin sensitization | Skin Sensitization Category 1   |
| Germ cell mutagenicity            | Based on available data, the classification criteria are not met          |
| Carcinogenicity                   | Based on available data, the classification criteria are not met          |
| Reproductive toxicity             | Reproductive Category 2   |
| STOT-single exposure              | Specific Target Organ Toxicity – Single Exposure (Respiratory Irritation) |
| STOT-repeated exposure            | Based on available data, the classification criteria are not met          |
| Aspiration hazard                 | Based on available data, the classification criteria are not met          |

**SUSPECTED CANCER AGENT:** None of the ingredients are found on the following lists: FEDERAL OSHA Z LIST, NTP, CAL/OSHA, IARC and therefore are not considered to be, or suspected to be a cancer-causing agent by these agencies.

**IRRITANCY OF PRODUCT:** Contact with this product can be irritating to exposed skin, eyes, and respiratory system.

**SENSITIZATION OF PRODUCT:** This product is considered a skin sensitizer.

**REPRODUCTIVE TOXICITY INFORMATION:** Octamethylcyclotetrasiloxane CAS# 556-67-2 is listed by the European Chemical Commission as a reproductive hazard causing harmful effects to fertility or the unborn child.

**SPECIFIC TARGET ORGAN TOXICITY – SINGLE EXPOSURE:** None known

**SPECIFIC TARGET ORGAN TOXICITY – REPEATED EXPOSURE:** None known

**ASPIRATION HAZARD:** None

## SECTION 12 - ECOLOGICAL INFORMATION

**ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.**

**TOXICITY:** No specific data is currently available on this product's effects on aquatic life, however release of this product may have long term effects on the aquatic environment.

Specific Component Data:

Octamethylcyclotetrasiloxane (556-67-2)

Test & Species Conditions

96 Hr LC50 Brachydanio rerio >500 mg/L

96 Hr LC50 Lepomis macrochirus >1000 mg/L

24 Hr EC50 Daphnia magna 25.2 mg/L

**PERSISTENCE AND DEGRADABILITY:** No specific data available on this product.

**BIOACCUMULATIVE POTENTIAL:** No specific data available on this product.

**MOBILITY IN SOIL:** No specific data available on this product.

**RESULTS OF PBT AND vPvB ASSESMENT:** No specific data available on this product.



# SAFETY DATA SHEET



*HS-3220 Clear Skylight Coating*

## EUROPEAN ECONOMIC COMMUNITY INFORMATION:

### **EU LABELING AND CLASSIFICATION:**

Classification of the mixture according to Regulation (EC) No1272/2008. See section 2 for details.

## AUSTRALIAN INFORMATION FOR PRODUCT:

**AUSTRALIAN INVENTORY OF CHEMICAL SUBSTANCES (AICS) STATUS:** All components of this product are listed or exempt from listing on the AICS.

**STANDARD FOR THE UNIFORM SCHEDULING OF DRUGS AND POISONS:** Not applicable.

## JAPANESE INFORMATION FOR PRODUCT:

**JAPANESE MINISTER OF INTERNATIONAL TRADE AND INDUSTRY (MITI) STATUS:** The components of this product are not listed as Class I Specified Chemical Substances, Class II Specified Chemical Substances, or Designated Chemical Substances by the Japanese MITI.

## INTERNATIONAL CHEMICAL INVENTORIES:

Listing of the components on individual country Chemical Inventories is as follows:

|   |                               |
|---|-------------------------------|
| Asia-Pac:   | Listed or exempt from listing |
| Australian Inventory of Chemical Substances (AICS):                 | Listed or exempt from listing |
| Korean Existing Chemicals List (ECL):                               | Listed or exempt from listing |
| Japanese Existing National Inventory of Chemical Substances (ENCS): | Listed or exempt from listing |
| Philippines Inventory of Chemicals and Chemical Substances (PICCS): | Listed or exempt from listing |
| Swiss Giftlist List of Toxic Substances:                            | Listed or exempt from listing |
| U.S. TSCA:  | Listed                        |

## **SECTION 16 - OTHER INFORMATION**

**PREPARED BY:** Chris Eigbrett

MSDS to GHS Compliance

[www.msdstoghs.com](http://www.msdstoghs.com)

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**END OF SDS**