

**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Product name: **CoolTherm® SC-6703 WHITE RESIN**  
Product Use/Class: **Silicone Resin**

LORD Corporation  
111 LORD Drive  
Cary, NC 27511-7923 USA

Telephone: 814 868-3180  
Non-Transportation Emergency: 814 763-2345  
Chemtrec 24 Hr Transportation Emergency No.  
800 424-9300 (Outside Continental U.S. 703 527-3887)

**EFFECTIVE DATE:** 11/25/2024

**2. HAZARDS IDENTIFICATION****GHS CLASSIFICATION:**

All components of this product have either not been classified according to GHS or are below the threshold concentration required for classification. Please refer to section 2-Other Hazards for possible hazards associated with this product.

**Hazard statements**

Refer to Section 2; Other hazards.

**Precautionary statements****Prevention**

Refer to Section 6 of this SDS.

**Response**

Refer to Section 4 of this SDS.

**Storage**

Refer to Section 7 of this SDS.

**Disposal:**

Dispose of contents/container in accordance with waste/disposal laws and regulations of your country or particular locality.

**Other hazards:**

**This product contains component(s) which have the following warnings; however based on the GHS classification criteria of your country or locale, the product mixture may be outside the respective category(s).**

**Acute:** May cause skin and eye irritation. May be harmful if swallowed. Ingestion is not an expected route of entry in industrial or commercial uses.

**Chronic:** Prolonged or repeated contact may result in dermatitis. IARC has designated titanium dioxide (TiO<sub>2</sub>) as Group 2B – possibly carcinogenic to humans in dust form. However, a number of long term animal studies and human epidemiology studies evaluating TiO<sub>2</sub> and workplace exposure show insufficient evidence for carcinogenic effects. EPA, NTP and OSHA do not designate TiO<sub>2</sub> as a carcinogen and ACGIH designates TiO<sub>2</sub> as A4 - not classifiable as a human carcinogen. Mortality from other chronic diseases, including other respiratory diseases, was not associated with exposure to TiO<sub>2</sub> dust. TiO<sub>2</sub> is not present in this product as a dust and no airborne exposure is expected during application. This product contains methylpolysiloxanes which can generate formaldehyde at approximately 300 degrees F (150 C) and above, in atmospheres which contain oxygen. Formaldehyde is a skin and respiratory sensitizer, eye and throat irritant, acute toxicant, and known cancer hazard. Workplace exposure to formaldehyde is regulated by OSHA Standard 29 CFR 1910.1048.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Hazardous ingredients above the threshold concentration

| Chemical Name | CAS Number | Range |
|---------------|------------|-------|
|---------------|------------|-------|

300000003580

|                  |            |         |
|------------------|------------|---------|
| Titanium dioxide | 13463-67-7 | 1 - 5 % |
|------------------|------------|---------|

Any "PROPRIETARY" component(s) in the above table is considered trade secret, thus the specific chemical and its exact concentration is being withheld.

#### 4. FIRST AID MEASURES

**FIRST AID - EYE CONTACT:** Flush eyes immediately with large amount of water for at least 15 minutes holding eyelids open while flushing. Get prompt medical attention.

**FIRST AID - SKIN CONTACT:** Flush contaminated skin with large amounts of water while removing contaminated clothing. Wash affected skin areas with soap and water. Get medical attention if symptoms occur.

**FIRST AID - INHALATION:** Move person to fresh air. Restore and support continued breathing. If breathing is difficult, give oxygen. Get immediate medical attention.

**FIRST AID - INGESTION:** If swallowed, do not induce vomiting. Call a physician or poison control center immediately for further instructions. Never give anything by mouth if victim is rapidly losing consciousness, unconscious or convulsing.

#### 5. FIRE-FIGHTING MEASURES

**SUITABLE EXTINGUISHING MEDIA:** Carbon Dioxide, Dry chemical, Foam, Water fog

**UNSUITABLE EXTINGUISHING MEDIA:** Not determined for this product.

**SPECIFIC HAZARDS POSSIBLY ARISING FROM THE CHEMICAL:** Keep container tightly closed. Closed containers may rupture when exposed to extreme heat. Use water spray to keep fire exposed containers cool. During a fire, irritating and/or toxic gases and particulate may be generated by thermal decomposition or combustion.

**SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS:** Wear full firefighting protective clothing, including self contained breathing apparatus. Water spray may be ineffective. If water is used, fog nozzles are preferable.

#### 6. ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:** Use self-contained breathing equipment. Avoid breathing vapors. Avoid contact.

**ENVIRONMENTAL PRECAUTIONS:** Do not contaminate bodies of water, waterways, or ditches, with chemical or used container.

**METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP:** Keep non-essential personnel away from spill area. Avoid breathing vapors. Use self-contained breathing equipment. Notify appropriate authorities if necessary. Before attempting cleanup, refer to hazard caution information in other sections of this safety data sheet. Contain and remove with inert absorbent material. Avoid contact.

#### 7. HANDLING AND STORAGE

**HANDLING:** Keep closure tight and container upright to prevent leakage. Wash thoroughly after handling. Avoid breathing of vapor or spray mists. Do not handle until all safety precautions have been read and understood. Do not weld or flame-cut an empty drum. Use with adequate ventilation.

**STORAGE:** Store only in well-ventilated areas. Keep container closed when not in use.

**INCOMPATIBILITY:** Strong acids, bases, and strong oxidizers.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

##### COMPONENT EXPOSURE LIMIT

| Chemical Name | ACGIH TLV-TWA | ACGIH TLV-STEL | OSHA PEL-TWA | OSHA PEL-CEILING | Skin |
|---------------|---------------|----------------|--------------|------------------|------|
|---------------|---------------|----------------|--------------|------------------|------|

|                  |      |      |      |      |                |
|------------------|------|------|------|------|----------------|
| Titanium dioxide | N.E. | N.E. | N.E. | N.E. | Not applicable |
|------------------|------|------|------|------|----------------|

N.A. - Not Applicable, N.E. - Not Established, S - Skin Designation

**ENGINEERING CONTROLS:** Sufficient ventilation in pattern and volume should be provided in order to maintain air contaminant levels below recommended exposure limits.

#### PERSONAL PROTECTION MEASURES/EQUIPMENT:

**Respiratory protection:** Respiratory protection is not required under normal working conditions where adequate ventilation is present. Note: If the exposure limit for formaldehyde is exceeded, a formaldehyde-specific, formaldehyde/organic vapor combination, or airline respirator may be required.

**Skin protection:** Use neoprene, nitrile, or rubber gloves to prevent skin contact. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material.

**Eye protection:** Use safety eyewear including safety glasses with side shields and chemical goggles where splashing may occur.

**Other protective equipment:** Use disposable or impervious clothing if work clothing contamination is likely. Remove and wash contaminated clothing before reuse.

**Hygienic practices:** Wash hands before eating, smoking, or using toilet facility. Do not smoke in any chemical handling or storage area. Food or beverages should not be consumed anywhere this product is handled or stored. Wash thoroughly after handling.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Typical values, not to be used for specification purposes.

|                                               |                      |                               |                                       |
|-----------------------------------------------|----------------------|-------------------------------|---------------------------------------|
| <b>Odor:</b>                                  | Odorless             | <b>Vapor Pressure:</b>        | N.D.                                  |
| <b>Appearance:</b>                            | White                | <b>Vapor density:</b>         | Heavier than Air                      |
| <b>Physical state:</b>                        | Liquid               | <b>Lower explosion limit:</b> | N.A.                                  |
| <b>Flash point:</b>                           | ≥ 201 °F, 93 °C      | <b>Upper explosive limit:</b> | N.A.                                  |
|                                               | Setaflash Closed Cup |                               |                                       |
| <b>Boiling range:</b>                         | N.A.                 | <b>Evaporation rate:</b>      | N.A.                                  |
| <b>Autoignition temperature:</b>              | N.D.                 | <b>Density:</b>               | 2.23 g/cm <sup>3</sup> (18.52 lb/gal) |
| <b>Decomposition temperature:</b>             | N.D.                 | <b>Viscosity, dynamic:</b>    | N.D.                                  |
| <b>Odor threshold:</b>                        | N.D.                 | <b>Viscosity, kinematic:</b>  | N.D.                                  |
| <b>Solubility in H<sub>2</sub>O:</b>          | Insoluble            | <b>Volatile by weight:</b>    | 0.00 %                                |
| <b>pH:</b>                                    | N.A.                 | <b>Volatile by volume:</b>    | 0.00 %                                |
| <b>Freeze point:</b>                          | N.D.                 | <b>VOC Calculated:</b>        | 0 lb/gal, 0 g/l                       |
| <b>Coefficient of water/oil distribution:</b> | N.D.                 |                               |                                       |

**Legend:** N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

### 10. STABILITY AND REACTIVITY

**HAZARDOUS POLYMERIZATION:** Hazardous polymerisation will not occur under normal conditions.

**STABILITY:** Product is stable under normal storage conditions.

**CONDITIONS TO AVOID:** High temperatures.

**INCOMPATIBILITY:** Strong acids, bases, and strong oxidizers.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon monoxide, carbon dioxide., Metal oxides, Formaldehyde.

### 11. TOXICOLOGICAL INFORMATION

**EXPOSURE PATH:** Refer to section 2 of this SDS.

**SYMPTOMS:** Refer to section 2 of this SDS.

**TOXICITY MEASURES:**

| <b>Chemical Name</b> | <b>LD50/LC50</b>                                                                                                    |
|----------------------|---------------------------------------------------------------------------------------------------------------------|
| Titanium dioxide     | Oral LD50: Rat > 5,000 mg/kg<br>Dermal LD50: rabbit > 5,000 mg/kg<br>GHS LC50 (dust and mist): Rat > 6.82 mg/l /4 h |

**Germ cell mutagenicity:** No classification proposed

**Carcinogenicity:** No classification proposed

**Reproductive toxicity:** No classification proposed

**12. ECOLOGICAL INFORMATION**

**ECOTOXICITY:**

| <b>Chemical Name</b> | <b>Ecotoxicity</b>                                                                      |
|----------------------|-----------------------------------------------------------------------------------------|
| Titanium dioxide     | Fish: Oncorhynchus mykiss > 100 mg/196 h<br>Invertebrates: Daphnia magna > 100 mg/148 h |

**PERSISTENCE AND DEGRADABILITY:** Not determined for this product.

**BIOACCUMULATIVE:** Not determined for this product.

**MOBILITY IN SOIL:** Not determined for this product.

**OTHER ADVERSE EFFECTS:** Not determined for this product.

**13. DISPOSAL CONSIDERATIONS**

**DISPOSAL METHOD:** Disposal should be done in accordance with Federal (40 CFR Part 261), state and local environmental control regulations. All uncured material and residues must be incinerated by a licensed facility. If waste is determined to be hazardous, use licensed hazardous waste transporter and disposal facility.

**14. TRANSPORT INFORMATION**

This product is NOT REGULATED for non-bulk shipments. For the most accurate shipping information, refer to your transportation/compliance department regarding changes in package size, mode of shipment or other regulatory descriptors.

**15. REGULATORY INFORMATION**

**U.S. FEDERAL REGULATIONS: AS FOLLOWS:**

**SARA SECTION 313**

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372.:

None

**TOXIC SUBSTANCES CONTROL ACT:**

**INVENTORY STATUS**

The chemical substances in this product are on the active TSCA Section 8 Inventory or exempt.

**EXPORT NOTIFICATION**

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

None

**16. OTHER INFORMATION**

Under HazCom 2012 it is optional to continue using the HMIS rating system. It is important to ensure employees have been trained to recognize the different numeric ratings associated with the HazCom 2012 and HMIS schemes.

**HMIS RATINGS** - HEALTH: 1\* FLAMMABILITY: 1 PHYSICAL HAZARD: 0

\* - Indicates a chronic hazard; see Section 2

**Revision:** Section 1, Section 11, Section 12

**Effective Date:** 11/25/2024

|                   |
|-------------------|
| <b>DISCLAIMER</b> |
|-------------------|

The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. It is the responsibility of the user to comply with all applicable federal, state and local laws and regulations.