



SAFETY DATA SHEET

DP 503 High Temp Red

Revision Date: December 15, 2022

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Section 1 – Product and Company Identification

Product identifier

Product Name: 100% Acetoxy Silicone Sealant
Product Code: DP 503 High Temp Red

Intended use of the product

Adhesive, binding agent

Restrictions on Use

None known.

Supplier's Details

Manufactured For: Design Polymerics
Address: 3301 W. Segerstrom Ave., Santa Ana, CA 92704
Information Phone: (714) 432-0600
Website: www.designpoly.com

Emergency telephone number

ChemTel LLC: (800) 255-3924 (24 Hrs.)

Section 2 - Hazard Identification

Hazard Classifications

GHS Classification

Not a hazardous substance or mixture.

Label Elements

GHS Labeling

Precautionary Statements Use only outdoors or in a well-ventilated area.

Other Hazards

No data available.

Unknown Acute Toxicity

No additional information available

Section 3 – Composition/Information on Ingredients

Mixtures

Chemical Nature:

Silicone elastomer.

This product contains no hazardous ingredients according to GHS.

Section 4 – First Aid Measures

Description of First-aid Measures

General: If potential for exposure exists, refer to Section 8 for specific personal protective equipment.

Inhalation: When symptoms occur, move person to fresh air and keep comfortable for breathing; consult a physician.



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Skin Contact: Wash off with plenty of water.

Eye Contact: Flush eyes thoroughly with water for several minutes. Remove contact lenses after the initial 1-2 minutes after exposure and continue flushing for several additional minutes. If effects occur, consult a physician, preferably an ophthalmologist.

Ingestion: Rinse mouth with water. No emergency medical treatment is necessary.

Most Important Symptoms and Effects Both Acute and Delayed:

Aside from the information found under Description of first aid measures (above) and Indication of immediate medical attention and special treatment needed (below), any additional important symptoms and effects are described in Section 11: Toxicological Information.

Indication of Any Immediate Medical Attention and Special Treatment Needed

No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

Section 5 – Fire-Fighting Measures

Extinguishing Media

Suitable Extinguishing Media: Water spray, carbon dioxide (CO₂), alcohol-resistant foam, or dry chemical.

Unsuitable Extinguishing Media: None known.

Special Hazards Arising from the Substance or Mixture

Hazardous Combustion Products: Carbon oxides, silicon oxides, metal oxides.

Unusual Fire and Explosion Hazards: Exposure to combustion products may be a hazard to health.

Advice for Firefighters

Firefighting Procedures: Use water spray for cooling unopened containers. Evacuate area. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Remove undamaged containers from fire area if it is safe to do so.

Special Protective Equipment for Firefighters: Wear self-contained breathing apparatus for firefighting if necessary. Use personal protective equipment.

Section 6 – Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Follow safe handling advice and personal protective equipment recommendations.

Methods and Materials for Containment and Cleaning Up

Wipe up or scrape up and contain for salvage or disposal. 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. 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. See sections: 7, 8, 11, 12 and 13.

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.

Section 7 – Handling and Storage

Precautions for Safe Handling

Take care to prevent spills, waste and minimize release to the environment. Handle in accordance with good industrial hygiene and safety practice. Use only with adequate ventilation. See Engineering measures under EXPOSURE

CONTROLS/PERSONAL PROTECTION section.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures.

Conditions for Safe Storage, Including Any Incompatibilities

Keep in properly labelled containers. Store in accordance with national, regional, and local regulations.

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

Unsuitable materials for containers: None known.

Section 8 – Exposure Controls/Personal Protection

Control Parameters

If exposure limits exist, they are listed below. If no exposure limits are displayed, then no values are applicable. Although some of the components of this product may have exposure guidelines, no exposure would be expected under normal handling conditions due to the physical state of the material.

Exposure Controls

Appropriate Engineering Controls: Use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, general ventilation should be sufficient for most operations. Local exhaust ventilation may be necessary for some operations.

Personal Protective Equipment: Gloves. Protective clothing. Protective goggles. Insufficient ventilation: wear respiratory protection.



Eye and Face Protection: Use safety glasses (with side shields).

Skin and Body Protection

Hand protection: Chemical protective gloves should not be needed when handling this material. Consistent with general hygienic practice for any material, skin contact should be minimized.

Other protection: No precautions other than clean body-covering clothing should be needed.

Respiratory Protection: Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, wear respiratory protection when adverse effects, such as respiratory irritation or discomfort have been experienced, or where indicated by your risk assessment process. For most conditions, no respiratory protection should be needed; however, if handling at elevated temperatures without sufficient ventilation, use an approved air-purifying respirator.

The following should be effective types of air-purifying respirators: Organic vapor cartridge.

Section 9 – Physical and Chemical Properties

Information on Basic Physical and Chemical Properties

Physical State	: Paste
Appearance/Color	: In accordance with the product description
Odor	: Acetic acid
Odor Threshold	: No data available
pH	: Not applicable
Evaporation Rate	: Not applicable



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Melting Point	: Not applicable
Freezing Point	: Not applicable
Boiling Point	: Not applicable
Flash Point	: 212°F (100° C) Closed Cup
Auto-ignition Temperature	: No data available
Decomposition Temperature	: No data available
Flammability (solid, gas)	: Not classified as a flammability hazard
Lower Flammable Limit	: No data
Upper Flammable Limit	: No data
Vapor Pressure	: Not applicable
Vapor Density (air = 1)	: No data available
Specific Gravity	: 1.007
Partition Coefficient: N-Octanol/Water	: No data available
Dynamic Viscosity	: Not applicable
Kinematic Viscosity	: Not applicable
Explosive Properties	: Not explosive
Oxidizing Properties	: The substance or mixture is not classified as oxidizing
Molecular Weight	: No data available
Particle Size	: No data available

Note: The physical data presented above are typical values and should not be construed as a specification.

Section 10 – Stability and Reactivity

Reactivity:

Not classified as a reactivity hazard.

Chemical Stability:

Stable under normal conditions.

Possibility of Hazardous Reactions:

Can react with strong oxidizing agents. 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.

Conditions to Avoid:

None known.

Incompatible Materials:

Oxidizing agents.

Hazardous Decomposition Products:

Decomposition products can include and are not limited to: Formaldehyde.

Section 11 – Toxicological Information

Toxicological information appears in this section when such data is available.

Information on likely routes of exposure: Eye contact, skin contact, ingestion

Acute toxicity (represents short term exposures with immediate effects – no chronic/delayed effects known unless otherwise noted)



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Acute oral toxicity	Very low if swallowed. Harmful effects not anticipated from swallowing small amounts. As product: Single dose oral LD50 has not been determined.
Acute dermal toxicity	Based on information for component(s): LD50, >5,000 mg/kg Estimated Prolonged skin contact is unlikely to result in absorption of harmful amounts. As product: The dermal LD50 has not been determined.
Acute inhalation toxicity	Based on information for component(s): LD50, >2,000 mg/kg Estimated Brief exposure (minutes) is not likely to cause adverse effects. Vapor from heated material may cause respiratory irritation. As product: The LC50 has not been determined.
Skin corrosion/irritation	Based on information for component(s): Prolonged exposure not likely to cause significant skin irritation. May cause drying and flaking of the skin.
Serious eye damage/irritation	Based on information for component(s): May cause slight temporary eye irritation. Corneal injury is unlikely. May cause mild eye discomfort.
Sensitization	For skin sensitization: Contains component(s) which did not cause allergic skin sensitization in guinea pigs. For respiratory sensitization: No relevant information found.
Specific target organ toxicity- single exposure	Evaluation of available data suggests that this material is not an STOT-SE toxicant.
Aspiration Hazard	Based on physical properties, not likely to be an aspiration hazard.
Chronic toxicity (represents longer term exposures with repeated dose resulting in chronic/delayed effects - no immediate effects known unless otherwise noted).	
Specific Target Organ Toxicity – Repeated Exposure:	Contains a component(s) that is/are not expected to be bioavailable due to the physical state of the material under normal handling and processing conditions.
Carcinogenicity	Contains a component(s) that is/are not expected to be bioavailable due to the physical state of the material under normal handling and processing conditions.
Teratogenicity	High doses of aluminum and aluminum salts given to laboratory animals during pregnancy have caused developmental toxicity in the fetus at doses mildly toxic to the mother.
Reproductive toxicity	Contains component(s) which did not interfere with reproduction in animal studies.
Mutagenicity	Contains component(s) which were negative in some in vitro genetic toxicity studies and positive in others. Contains component(s) which were positive in animal genetic toxicity studies.

Section 12 – Ecological Information

Ecotoxicological information appears in this section when such data is available.

Toxicity	No data available
Persistence and Degradability:	No data available
Bioaccumulative Potential:	No data available
Mobility in soil	No data available



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Section 13 – Disposal Considerations

Disposal methods:	DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER. All disposal practices must be in compliance with all Federal, State/Provincial, and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. AS YOUR SUPPLIER, WE HAVE NO CONTROL OVER THE MANAGEMENT PRACTICES OR MANUFACTURING PROCESSES OF PARTIES HANDLING OR USING THIS MATERIAL. THE INFORMATION PRESENTED HERE PERTAINS ONLY TO THE PRODUCT AS SHIPPED IN ITS INTENDED CONDITION AS DESCRIBED IN SDS SECTION: Composition Information. FOR UNUSED & UNCONTAMINATED PRODUCT, the preferred options include sending to a licensed, permitted: Incinerator or other thermal destruction device. For additional information, refer to: Handling & Storage Information, SDS Section 7, Stability & Reactivity Information, SDS Section 10, and Regulatory Information, SDS Section 15.
Treatment and disposal methods of used packaging:	Empty containers should be recycled or otherwise disposed of by an approved waste management facility. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. Do not re-use containers for any purpose.

Section 14 – Transport Information

DOT	Not regulated for transport
Classification for SEA transport (IMO-IMDG):	Not regulated as dangerous goods
Transport in bulk according to Annex II of MARPOL 73/78 and IBC Code	Consult IMO regulations before transporting ocean bulk
Classification for AIR transport (IATA/ICAO):	Not regulated for transport

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

Section 15 – Regulatory Information

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Sections 311 and 312
No SARA hazards

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Sections 313
The following components are subject to reporting levels established by SARA Title III, Section 313:

Components	CASRN
Aluminum	7429-90-5

Pennsylvania Right to Know
The following chemicals are listed because of the additional requirements of Pennsylvania law:

Components	CASRN
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Polydimethylsiloxane hydroxy-terminated	701313-67-8
Silicon dioxide	7631-86-9
Siloxanes and silicones, dimethyl	63148-62-9
Titanium dioxide	13463-67-7
Iron oxide	1332-37-2
Aluminum	7429-90-5
Carbon black	1333-86-4

California Prop. 65

This product contains a chemical that is at or below California Propositions 65's "safe harbor level" as determined via a risk assessment. Therefore, the chemical is not required to be listed as a Prop 65 chemical on the SDS or label.

United States TSCA Inventory (TSCA)

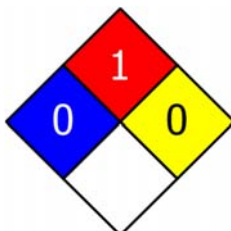
All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

Section 16 – Other Information

Date of Preparation or Latest Revision : December 15, 2022. Supersedes all previous

NFPA Ratings:

Health: 0
 Fire: 1
 Reactivity: 0



Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

HMIS III:

HEALTH	0
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 and recommendations set forth herein are believed to be accurate. Because some of the information is derived from information provided to Design Polymeric from its suppliers, and because Design Polymeric



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