



**Dynatex**<sup>®</sup>

**MATERIAL SAFETY DATA SHEET**

**DYNATEX 49202**

Revised Date: June 2011

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MODIFIED by HOLDTITE AUSTRALIA

**SECTION 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER**

**Product Name:** DYNATEX 49202  
**Other Names:** 49202  
**Use:** Red Hi-Temp RTV Silicone Gasket Maker  
**Part Number:** 49202 (108gr)  
**Supplier:** Holdtite Australia Pty Ltd  
**Address:** 21 Heath Street  
Lonsdale, South Australia, 5160

**Emergency Tel:** +61 1300 552 680  
**Telephone:** +61 8 8186 0844  
**Fax:** +61 8 8186 0252

**Emergency Contact Name:**  
**Emergency Contact Address:** See Above Address

**Other Information:** The information below is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This Company shall not be held liable for any damage resulting from handling or from contact with the above product.

**SECTION 2. HAZARDOUS IDENTIFICATION**

**Eye Contact** Direct contact may cause moderate irritation.

**Skin Contact** May cause moderate irritation.

**Inhalation** Material is not likely to present an inhalation hazard at ambient conditions. However, if material is heated or high vapor/aerosol concentrations are attained, central nervous system depression may occur, which is characterized by drowsiness, dizziness, confusion or loss of coordination.

**Ingestion** Low ingestion hazard in normal use.

**Symptoms of Overexposure** No known applicable information.

**Existing Conditions Aggravated by Exposure** No known applicable information.

**Note** The above listed potential effects are based on actual data, results of studies performed upon similar compositions, component data and/or expert review of the product. Please refer to Section 11 for detailed toxicology information.



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**SECTION 3. COMPOSITION/INFORMATION OF INGREDIENTS**

**Ingredient CAS Number Weight % ACGIH TLV PEL STEL**

Methyltriacetoxysilane 4253-34-3 1% - 5% TWA 10ppm TWA 10ppm 15ppm

Ethyltriacetoxysilane 17689-77-9 1% - 5% TWA 10ppm TWA 10ppm 15ppm

**SECTION 4. FIRST AID MEASURES**

<b>Eye Contact</b>	Immediately flush with water for 15 minutes. Seek medical attention.
<b>Skin Contact</b>	Remove from skin and wash thoroughly with soap and water or waterless cleanser. Get medical attention if irritation or other ill effects develop or persist.
<b>Inhalation</b>	Material is not likely to present an inhalation hazard at ambient conditions. If material is heated or vapor/mist/dust/fumes are generated, care should be taken to prevent inhalation. In case of exposure to vapor/mist/dust/fumes, move to fresh air.
<b>Ingestion</b>	DO NOT INDUCE VOMITING. Seek immediate medical attention.
<b>Comments</b>	Treat according to person's condition and specifics of exposure.

**SECTION 5. FIRE FIGHTING MEASURES**

<b>Flash Point</b>	>212F >100C
<b>FP Method</b>	Closed Cup
<b>Auto-ignition Temperature</b>	Not determined
<b>Flammability Limits in Air</b>	Not determined
<b>Extinguishing Media</b>	On large fires use dry chemical, foam, or water spray. On small fires use carbon dioxide, dry chemical or water spray. Water can be used to cool fire exposed containers.
<b>Special Fire Fighting Procedures</b>	Self-contained breathing apparatus and protective clothing should be worn when fighting large fires involving chemicals. Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool.
<b>Unusual Fire or Explosion Hazards</b>	None known
<b>Hazardous Decomposition Products</b>	Thermal breakdown of this product during fire or very high heat conditions may evolve the following hazardous decomposition products: Carbon oxides and traces of incompletely burned carbon compounds Formaldehyde Silicon dioxide Metal oxides
<b>Comment</b>	When temperatures above 150°C in the presence of air, product can form formaldehyde vapors. Formaldehyde is a potential cancer hazard, a known skin and respiratory sensitizer, and an irritant to the eyes, nose, throat, skin and digestive system. Safe handling conditions may be maintained by keeping vapor concentrations within the OSHA Permissible Exposure Limits for formaldehyde.



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**SECTION 6. ACCIDENTAL RELEASE MEASURES**

**Steps to be taken in case of spill or release**

Observe all personal protection equipment recommendations. Wipe up or scrape up and contain for salvage or disposal. Clean area as appropriate since spilled materials, even in small quantities, may present a slip hazard. Final cleaning may require steam, solvents or detergents. Dispose of saturated absorbent or cleaning materials appropriately, since spontaneous heating may occur.

Local, state and federal laws and 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 federal, state and local laws and regulations are applicable. Sections 13 and 15 of this MSDS provide information regarding certain federal and state requirements.

**SECTION 7. HANDLING AND STORAGE**

**Handling** Use with adequate ventilation. Product evolves acetic acid with exposed to water or humid air. Provide ventilation during use to control acetic acid with exposure guidelines or use respiratory protection. Avoid eye contact. Avoid skin contact. Do not take internally. Avoid breathing vapor. Keep container closed.

**Storage** Use reasonable care and store away from oxidizing materials. Keep container closed and store away from water or moisture.

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Component Exposure Limits** Component Name: Ethyltriacetoxysilane  
CAS Number: 17689-77-9  
Exposure Limits: See acetic acid comments  
Component Name: Methyltriacetoxysilane  
CAS Number: 4253-34-3  
Exposure Limits: See acetic acid comments  
Acetic acid is formed upon contact with water or humid air. Provide adequate ventilation to control exposures within guidelines of OSHA PEL: TWA 10 ppm and ACGIH TLV: TWA 10 ppm, STEL 15 ppm.

**Engineering Controls** Local Ventilation: Recommended  
General Ventilation: Recommended

**Eye Protection** Safety goggles or glasses with side shields are recommended.

**Skin Protection** Wash at mealtimes and end of shift. Contaminated clothing and shoes should be removed as soon as practical and thoroughly cleaned before reuse. Chemical protective gloves are recommended. Suitable Gloves: Nitrile Rubber. Butyl Rubber.

**Inhalation** Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. IH personnel can assist in judging the adequacy of existing engineering controls.



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<b>Respiratory Protection</b>	Use respiratory protection unless adequate exhaust ventilation is provided or exposure assessment demonstrates that exposures are within exposure guidelines. Industrial Hygiene Personnel can assist in judging the adequacy of existing engineering controls.
<b>Suitable Respirator</b>	Respiratory protection is not needed under ambient conditions. If vapor/mist/dust/fumes are generated when material is heated or handled, the following is advised. 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 CFR1910.134) and use NIOSH/MSHA approved respirators.
<b>Precautionary Measures</b>	Avoid eye contact. Avoid skin contact. Avoid breathing vapor. Keep container closed. Do not take internally. Use reasonable care.
<b>Comment</b>	Product evolves acetic acid when exposed to water or humid air. Provide ventilation during use to control acetic acid within exposure guidelines or use respiratory protection.
<b>Note</b>	These precautions are for room temperature handling. Use at elevated temperatures or aerosol/spray applications may require added precautions.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical State</b>	Paste
<b>Specific Gravity</b>	1.007
<b>Color/Appearance</b>	Red
<b>Odor</b>	Acetic Acid Odor
<b>pH</b>	Not Determined
<b>Boiling/Cond. Point</b>	Not Determined
<b>Melting/Freezing Point</b>	Not Determined
<b>Solubility</b>	Not Determined
<b>Evaporation Rate</b>	Not Determined
<b>VOC %</b>	29 g/L
<b>Viscosity</b>	Not Determined
<b>Vapor Density</b>	Not Determined
<b>Vapor Pressure</b>	Not Determined
<b>Note</b>	The above information is not intended for use in preparing product specifications. Contact Accumetric LLC before writing specifications.

**SECTION 10. STABILITY AND REACTIVITY**

<b>Chemical Stability</b>	Stable
<b>Hazardous Polymerization</b>	Will not occur
<b>Conditions to Avoid</b>	None known
<b>Materials to Avoid / Incompatibility</b>	Oxidizing material can cause a reaction. Water, moisture or humid air can cause hazardous vapors to form.



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**SECTION 11. TOXICOLOGY INFORMATION**

**Component Toxicology Information** No known applicable information.

**Special Hazard Information on Components** No known applicable information.

**SECTION 12. ECOLOGICAL INFORMATION**

**Environmental Fate and Distribution** Complete information is not yet available.

**Environmental Effects** Complete information is not yet available.

**Fate and Effects in Waste Water Treatment Plants** Complete information is not yet available.

**SECTION 13. DISPOSAL CONSIDERATIONS**

**Waste Disposal Method** We make no guarantee or warranty of any kind that the use or disposal of this product complies with all local, state, or federal laws. It is also the obligation of each user of the product mentioned herein to determine and comply with the requirements of all applicable statutes.

This product is not known to be regulated under RCRA regulations. Disposal of unused portions of this product and process waste containing this product should be done only after a careful evaluation and in compliance with all federal, local and state laws.

**Container Disposal:** Dispose of as normal industrial waste

**SECTION 14. TRANSPORT INFORMATION**

**DOT Road Shipment Information** Not subject to DOT.

**Ocean Shipment (IMDG)** Not subject to IMDG code.

**Air Shipment (IATA)** Not subject to IATA regulations.

**SECTION 15. REGULATORY INFORMATION**

The contents of this MSDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200.

**SARA Title III Section 302 Extremely Hazardous Substances** None

**SARA Title III Section 304 CERCLA Hazardous Substances** None

**SARA Title III Section 312 Hazard Class** Acute: Yes

Chronic: No

Fire: No

Pressure: No

Reactive: No

**SARA Title III Section 313 Toxic Chemicals** None present or none present in regulated quantities.



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<b>Note</b>	Chemicals are listed under the 313 Toxic Chemicals section only if they meet or exceed a reporting threshold.
<b>TSCA Status</b>	All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.
<b>California Proposition 65</b>	This product contains the following chemical(s) listed by the State of California under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) as being known to cause cancer, birth defects or other reproductive harm: None known
<b>Massachusetts</b>	Iron oxide (1309-37-1) Silica, amorphous (7631-86-9)
<b>New Jersey</b>	Dimethyl siloxane, hydroxy-terminated (70131-67-8) Ethyltriacetoxysilane (17689-77-9) Hydrotreated middle petroleum distillates (64742-46-7) Iron oxide (1332-37-2) Methyltriacetoxysilane (4253-34-3) Polydimethylsiloxane (63148-62-9) Silica, amorphous (7631-86-9)
<b>Pennsylvania</b>	Dimethyl siloxane, hydroxy-terminated (70131-67-8) Hydrotreated middle petroleum distillates (64742-46-7) Iron oxide (1332-37-2) Polydimethylsiloxane (63148-62-9) Silica, amorphous (7631-86-9)

**SECTION 16. OTHER INFORMATION**

**Abbreviations/Acronyms**

ADG Code – Australian Code for the Transport of Dangerous Goods by Road and Rail

NOHSC – National Occupational Health and Safety

TWA – Time-Weight Average

**CONTACT POINT**

**Technical Contact**

**Numbers:** Head Office Tel: 1300 552 680

\*\*End of MSDS\*\*