

Material Safety Data Sheet

Section 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Premium RTV Silicone Sealant Blue, Grey, Red, Silver, Gold

Product Code: U100, U101, U102, U103, U105

Manufacturer: Molytec Australia Pty Ltd

Address: Unit 2/38-44 Enterprise Street Cleveland Qld 4163

Telephone Number: 1300 452355

Effective date: October 3, 2022

E-mail address: admin@molytec.com.au

Recommended use: Mainly used for the function of high strength structural seal and bonding, for the static seal of high demand equipment parts such as high-grade cars and small cars.

Section 2 - HAZARDS IDENTIFICATION

Skin contact: Causes mild skin irritation.

Eye contact: Causes mild eye irritation.

Hazard category: Category c (level 4).

Invasion route: Inhalation, ingestion, transdermal absorption.

Health hazards: Potential health effects. Inhalation: may be harmful. Ingestion: harmful to human body.

Environmental hazards: Special attention should be paid to the pollution of water bodies.

Fire and explosion hazard: Class c refractory body.

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name:	Premium RTV Silicone Sealant Clear	CAS NO.
Main component:	Content	
Hydroxy terminated polydimethylsiloxane:	70-80%	70131-67-8
Methyltris(methylethylketoxime)silane:	5-8%	22984-54-9
Tris[(2-methyl-2-propanyl)peroxy](vinyl)silane:	0.5-1.3%	15188-09-7
Fumed silica:	1-10%	112945-52-5
Catalyzer:	0.01-0.1%	N/A

Section 4 - FIRST AID MEASURES

Skin contact: Remove contaminated clothing and wash skin with soapy water and water.

Eye contact: Lift eyelid, rinse with running water or saline for at least 15 minutes and seek medical advice.

Inhalation: Quickly leave the scene to the fresh air, keep the respiratory tract unobstructed.

Ingestion: Do not induce vomiting unless instructed by a medical professional. Keep the airway clear and seek medical treatment immediately.

Section 5 - FIRE FIGHTING AND PRECAUTION

Dangerous Properties: none

Harmful combustion products: CO, CO₂

Extinguishing agent: Use foam, dry powder, carbon dioxide, sand or water.

Fire-fighting method: First cut off the fuel source, and evacuate personnel. Water can be sprayed to keep the container cool and fire extinguishing agent can be used from windward to downwind direction.

Special protective equipment for fire personnel: positive pressure self-contained breathing apparatus and full body protective clothing shall be worn to protect the whole face.

Section 6 - EMERGENCY TREATMENT FOR LEAKAGE

Personnel protection and emergency treatment: First cut off the leakage source. Quickly evacuate people from the contaminated area to the safety zone, isolate them and strictly restrict their access. Emergency personnel are advised to wear masks, gloves, goggles and anti-static work clothes.

Environmental protection measures: Cut off the leakage source, prevent the flow into the soil, rivers, sewers, drainage ditch, etc.

Leakage disposal: small amount of leakage: Use sand or other non-combustible material absorption, then put into a closed container.

Large leakage: Build dykes or dugs for shelter. Cover with foam to reduce steam hazard. Transfer to tank truck or special collector with explosion-proof pump, recycle or transport to waste disposal site.

Preventive measures: Handling should be light, to prevent packaging and container damage. Equipped with appropriate leakage emergency treatment equipment.

Section - 7 OPERATION AND STORAGE

Handling precautions: Keep the working area well ventilated, away from flammable substances, avoid touching eyes and skin: Operators must be specially trained to strictly follow the operating procedures. Operators are advised to wear ventilation or respirator, chemical safety glasses and anti-corrosion gloves. Smoking is strictly prohibited in the workplace. Equipped with the appropriate variety and quantity of fire equipment and emergency treatment equipment.

Storage Precautions: Store in a cool, ventilated warehouse. Keep away from fire and heat. The warehouse temperature should not exceed 35 °C. Use explosion-proof lighting, ventilation facilities and keep the container sealed. Should be stored separately from edible chemicals avoid mixed storage.

Section - 8 EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering control: The operation process is closed and fully ventilated. Provide safe shower and eye wash equipment.

Respiratory protection: No special protection is required.

Hand protection: Generally, no special protection is required.

Eye protection: Usually no special protection is required.

Skin and body protection: Generally, no special protection is required.

Other protection: Smoking, eating and drinking are prohibited in the workplace.

Section - 9 PHYSICAL AND CHEMICAL PROTECTION

Appearance and traits:	Transparent Paste.
Odor:	Odorless
Autoignition Temperature:	Not available.
Relative density (water = 1):	1.0
PH value:	6.5 ~ 7.5
Melting point/freezing point (°C):	Not available
Flash point (°C):	400
Initial boiling point (°C):	Not available.
Boiling range (°C):	Not available
Ignition temperature (°C):	Not available.
Lower explosion limit % (V/V):	Not available.
Explosion upper limit [% (V/V)]:	Not available
N - octanol/water partition coefficient:	Not available
Solubility:	Soluble in toluene and other organic solvents.

Section - 10 STABILITY AND REACTIVITY

Stability:	This product is stable.
Incompatible materials:	Strong oxidizing agents.
Decomposition products:	Carbon monoxide, carbon dioxide.
Avoid contact conditions:	Fire source, high heat.
Aggregation hazard:	Cannot occur.

Section - 11 TOXICOLOGICAL INFORMATION

Route of infection: Inhalation, skin contact and accidental ingestion.

Irritant: Eye contact may cause irritation. Skin contact may cause irritation. This substance may cause respiratory irritation.

Acute toxicology: No data available.

Chronic poisoning: No data available.

Mutagenicity: No data available.

Teratogenicity: No data available.

Carcinogenicity: No data available.

Section - 12 ECOLOGICAL INFORMATION

Environmental destruction and distribution: Pollution of soil and water, low toxicity to fish and mammals.

Biological toxicity: Low toxicity.

Biodegradability: No data available.

Nonbiodegradability: No data available.

Bioaccumulation: No data available.

Section - 13 WASTE DISPOSAL

Nature of waste: Hazardous waste.

Waste disposal method: Refer to the requirements of the relevant national regulations or contact the manufacturer to determine the disposal method.

Disposal precautions: Operators should wear appropriate individual protective articles.

Section - 14 TRANSPORT INFORMATION

Dangerous Goods Number: /

UN Number: /

Packaging Marking: Class C, refractory liquid.

Package Category: /

Packing method: /

Transportation Notes: Stay away from fire and heat source during stopover.

Section - 15 REGULATORY INFORMATION

Regulatory information: Regulations on the Safety Administration of Hazardous Chemicals have made corresponding provisions on the safe use, storage and transportation of hazardous chemicals in production.

Section - 16 OTHER INFORMATION

This SDS contains only safety-related information. For other data see product literature.

Acronyms:

ADG Code Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition)

AICS Australian Inventory of Chemical Substances

SWA Safe Work Australia, formerly ASCC and NOHSC

CAS number Chemical Abstracts Service Registry Number

Hazchem Code Emergency action code of numbers and letters that provide information to emergency services especially firefighters

IARC International Agency for Research on Cancer

NOS Not otherwise specified

NTP National Toxicology Program (USA)

SUSMP Standard for the Uniform Scheduling of Medicines & Poisons

UN Number United Nations Number