SAFETY DATA SHEET

Version: 01
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ACCORDING TO: Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals (Safe Work Australia, 2020) & GHS 7

SECTION 1: IDENTIFICATION

Product identifier used on the label	3140-RTV
Other means of identification	None
Recommended use of the chemical and restrictions on use	
Recommended use	PC1 Adhesives, sealants
Restrictions on use	None Known
Suppliers name, address and telephone number	
Supplier	VISHAY MEASUREMENTS GROUP, INC.
Address of Supplier	Post Office Box 27777 Raleigh, NC 27611 USA
Telephone	+1 919-365-3800 / +1 919-365-3945
E-Mail (competent person)	mm.us@vpgsensors.com
Emergency telephone number	1-800-424-9300 (24 hours) 61-290372994 (for spills and releases) CHEMTREC (U.S.)

SECTION 2: HAZARD(S) IDENTIFICATION

Classification of the substance or mixture

In accordance with the Safe Work Australia model Work Health and Safety Regulations (2020) & GHS 7	Not classified as hazardous for supply/use.
Label elements	
Hazard Symbol	None assigned
Signal Word(s)	None assigned
Hazard Statement(s)	None assigned
Precautionary Statement(s)	None assigned
Other Hazards	Repeated exposure may cause skin dryness or cracking. Contact with water or humid air will form methanol. Product may emit formaldehyde vapour at temperatures above 180ºC in the presence of air. Formaldehyde vapour is a suspected carcinogen, toxic by inhalation and irritating to eyes and the respiratory system. Exposure limits should be strictly respected.
Other Hazards that do not Result in Classification	None Known

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substances Not applicable

Mixtures Substances in preparations / mixtures

Chemical identity of the substance	%W/W	CAS No.	EC No.	Hazard classification
Trimethylated silica	< 25	68909-20-6	272-697-1	Not classified
Trimethoxy(methyl)silane	5 - 10	1185-55-3	214-685-0	Flammable Liquid - Category 2; H225

Methanol	< 0.2	67-56-1	200-659-6	Flammable Liquid - Category 2; H225 Acute toxicity - Category 3; H301 Acute toxicity - Category 3; H311 Acute toxicity - Category 3; H331 Specific target organ toxicity — repeated exposure– Category 1; H370

SECTION 4: FIRST AID MEASURES

Description of first aid measures

First aid facilities	Eyewash facilities should be stationed close to workplace where possible.
Self-protection of the first aider	Use personal protective equipment as required. Wear appropriate personal protective equipment, avoid direct contact. Contaminated clothing should be laundered before reuse. Ensure adequate ventilation. Wear suitable respiratory protective equipment if exposure to high levels of material are likely. Do not use mouth-to-mouth resuscitation.
Inhalation	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. IF exposed or concerned: Get medical advice/attention.
Skin Contact	IF ON SKIN: Remove contaminated clothing and wash all affected areas with plenty of water. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention. IF exposed or concerned: Get medical advice/attention.
Eye Contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF exposed or concerned: Get medical advice/attention.
Ingestion	IF SWALLOWED: Rinse mouth. Make victim drink plenty of water. Do not give anything by mouth to an unconscious person. Do not induce vomiting unless instructed to do so by medical personnel. Call a POISON CENTER/doctor if you feel unwell. IF exposed or concerned: Get medical advice/attention.
Most important symptoms and effects, both acute and delayed	Repeated exposure may cause skin dryness or cracking.
Indication of immediate medical attention and special treatment needed, if necessary	Unlikely to be required but if necessary treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing media

Suitable Extinguishing Media	Extinguish with carbon dioxide, dry chemical, foam or waterspray.
Unsuitable extinguishing Media	Do not use water jet. Direct water jet may spread the fire.
Special hazards arising from the chemical	Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition products: Silica, Carbon oxides and traces of incompletely burned carbon compounds, Formaldehyde, Sulphur products, Nitrogen products. Product may emit formaldehyde vapour at temperatures above 180ºC in the presence of air. Formaldehyde vapour is a suspected carcinogen, toxic by inhalation and irritating to eyes and the respiratory system. Exposure limits should be strictly respected.
Special protective equipment and precautions for fire fighters	Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Do not breathe fumes. Keep containers cool by spraying with water if exposed to fire. Avoid run off to waterways and sewers.
Hazchem Code	Not available

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures
Ensure adequate ventilation. Stop leak if safe to do so. Eliminate all ignition sources if safe to do so. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use personal protective equipment as required. Avoid contact with skin and eyes. Avoid breathing vapours.

Environmental precautions
Avoid release to the environment. Do not allow to enter drains, sewers or watercourses. Spillages or uncontrolled discharges into watercourses must be alerted to the Environment Agency or other appropriate regulatory body.

Methods and material for containment and cleaning up
Absorb spillage to prevent material damage. Adsorb spillages onto sand, earth or any suitable adsorbent material. Transfer to a container for disposal. Ventilate the area and wash spill site after material pick-up is complete.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling
Wear protective gloves/protective clothing/eye protection/face protection. Avoid contact with skin, eyes or clothing. Avoid breathing vapours. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid all contact. Ensure adequate ventilation.

Conditions for safe storage, including any incompatibilities
Keep only in original container. Store in a well-ventilated place. Keep container tightly closed. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep away from direct sunlight.

Storage temperature: Maximum: 32°C

Storage life: Stable under normal conditions.

Incompatible materials: Keep away from: Oxidizing agents and water. Contact with water or humid air will form methanol.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Occupational Exposure Limits

Chemical name	Synonym(s)	CAS No.	TWA (ppm)	TWA (mg/m^3)	STEL (ppm)	STEL (mg/m^3)	Advisory carcinogen category	Other advisory information	Notes
Methyl alcohol	Methanol	67-56-1	200	262	250	328	-	Sk	

Source: Safe Work Australia Workplace Exposure Standards for Airbourne Contaminants (2019)
Sk: Absorption through the skin may be a significant source of exposure.

Biological exposure indicies
Not established

Appropriate engineering controls
Ensure adequate ventilation. Atmospheric levels should be controlled in compliance with the occupational exposure limit. A washing facility/water for eye and skin cleaning purposes should be present.

Individual protection measures, such as personal protective equipment (PPE)
General hygiene measures for the handling of chemicals are applicable. Keep good industrial hygiene. Avoid all contact. Avoid breathing vapours. Wash hands before breaks and after work. Keep work clothes separately. Do not eat, drink or smoke at the work place.

Eye/face protection

Wear protective eye glasses for protection against liquid splashes. Wear eye protection with side protection (EN166).

Skin protection

Hand protection:

Wear impervious gloves (EN374). Protective index 6, corresponding > 480 minutes of permeation time according to EN 374 Gloves should be changed regularly to avoid permeation problems. Breakthrough time of the glove material: refer to the information provided by the gloves' producer.

Suitable materials: Neoprene, Rubber

Body protection:
Wear impervious protective clothing, including boots, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Respiratory protection

Respiratory protection is not necessary if room is well ventilated. In case of inadequate ventilation wear respiratory protection. A suitable mask with filter type A may be appropriate.

Thermal hazards — Not applicable.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Milky white, liquid
Odour	Slight
Odour threshold	Not available
pH	Not established.
Melting point and freezing point	Not available
Boiling point or initial boiling point and boiling range	>65°C
Flash point	>101 °C [Closed cup]
Evaporation rate	Not available
Flammability	Not applicable - Liquid
Lower and upper explosion limit or lower and upper flammability limit	Not available
Vapour pressure	Not available
Relative vapour density	Not available (Air = 1)
Density and Relative density	1.05
Solubility	Not available
Partition coefficient n-octanol/water (log value)	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Kinematic viscosity	Not established.
Specific heat	Not established.
Saturated Vapour Concentration	Not established.
Release of invisible flammable vapours and gases	Not established.
Particle characteristics	Not applicable (Liquid)
Particle size distribution	Not applicable (Liquid)
Shape and aspect ratio	Not applicable (Liquid)
Crystallinity	Not applicable (Liquid)
Level of dustiness	Not applicable (Liquid)
Surface Area	Not applicable (Liquid)
Degree of aggregation or agglomeration, and dispersibility	Not applicable (Liquid)
Redox potential	Not established.
Biodurability or biopersistence	Not established.
Surface coatings	Not established.

Additional parameters

Volatile Organic Compound Content	Not established.
Explosive properties	Not explosive.

Oxidising properties	Not oxidising.

SECTION 10: STABILITY AND REACTIVITY

Reactivity	This product releases methanol.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	Contact with water or humid air will form methanol.
Conditions to avoid	Protect from moisture.Keep at temperature not exceeding (°C): 32
Incompatible materials	Keep away from: Oxidizing agents and water.
Hazardous decomposition product(s)	Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition products: Silica, Carbon oxides and traces of incompletely burned carbon compounds, Formaldehyde, Sulphur products, Nitrogen products,

SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects
(Substances in preparations / mixtures)
Acute toxicity

Ingestion	Mixture: Based upon the available data, the classification criteria are not met. Calculated acute toxicity estimate (ATE): Estimated LD50 > 5000 mg/kg bw/day.
Inhalation	Mixture: Based upon the available data, the classification criteria are not met. Calculated acute toxicity estimate (ATE): Estimated LC50 > 20 mg/l. (Vapour)
Dermal	Mixture: Based upon the available data, the classification criteria are not met. Calculated acute toxicity estimate (ATE): Estimated LD50 > 5000 mg/kg bw/day.
Skin corrosion/irritation	Based upon the available data, the classification criteria are not met.
Serious eye damage/irritation	Based upon the available data, the classification criteria are not met.
Respiratory or skin sensitization	Based upon the available data, the classification criteria are not met.
Germ cell mutagenicity	Based upon the available data, the classification criteria are not met.
Carcinogenicity	Based upon the available data, the classification criteria are not met.
Reproductive toxicity	Based upon the available data, the classification criteria are not met.
STOT - single exposure	Based upon the available data, the classification criteria are not met.
STOT - repeated exposure	Based upon the available data, the classification criteria are not met.
Aspiration hazard	Based upon the available data, the classification criteria are not met.

Information on likely routes of exposure

Inhalation	Possible route of exposure.
Ingestion	Possible route of exposure.
Skin Contact	Possible route of exposure.
Eye Contact	Possible route of exposure.

Early onset symptoms related to exposure	None Known
Delayed health effects from exposure	Repeated exposure may cause skin dryness or cracking.
Exposure levels and health effects	See section 8
Interactive effects	None Known
Other information	None Known
NTP Report on Carcinogens	No components listed.
IARC Monographs	No components listed.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity	Mixture: Based upon the available data, the classification criteria are not met.

	Estimated Mixture LC50 >100 mg/l
Persistence and degradability	No data for the mixture as a whole.
Bioaccumulative potential	No data for the mixture as a whole.
Mobility in soil	No data for the mixture as a whole.
Other adverse effects	None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Safe handling and disposal methods	Do not release undiluted and unneutralised to the sewer. Dispose of contents in accordance with local, state or national legislation.
Disposal of contaminated packaging	Containers of this material may be hazardous when empty since they retain product residue. Handle contaminated packages in the same way as the substance itself.
Environmental regulations	Avoid release to the environment.

SECTION 14: TRANSPORT INFORMATION

Not classified according to the United Nations 'Recommendations on the Transport of Dangerous Goods'.

	ADG	**IMDG**	**IATA/ICAO**
UN number	Not classified	Not classified	Not classified
Proper Shipping Name	Not classified	Not classified	Not classified
Transport hazard class(es)	Not classified	Not classified	Not classified
Packing group	Not classified	Not classified	Not classified
Environmental hazards	Not classified	Not classified	Not classified
Special precautions for user	See Section: 2		
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.		
Hazchem code	Not available		

SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

International Regulations (for example)	
Montreal Protocol/Stockholm Convention/ Rotterdam Convention/ Basel Convention / MARPOL	All chemicals are not listed
National Regulations	
Australian Inventory of Chemical Substances (AICS)	All components are listed on AICS
NICNAS - Priority Existing Chemicals	All chemicals are not listed
NICNAS - IMAP Framework	Methanol: Tier I: Environment Assessment Methnol: Tier II: Human Health Assessment
NICNAS - High Volume Industrial Chemical List	Methanol: Threshold Range: Between 10,000 and 99,999 tonnes
National Pollutant Inventory	Methanol: Threshold Category = 1, Threshold = 10 tpa
The Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)	Metanol: Schedule 10

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: not applicable – V1.0

Version: 1.0 **Revision Date:** not applicable – V1.0 **Date of First Issue:** 18 August 2021

References:
Safety Data Sheets for ingoing ingredients. National Industrial Chemicals Notification and Assessment Scheme (NICNAS).
Existing Safety Data Sheet (SDS)

The mixture is classified in accordance with Safe Work Australia model Work Health and Safety Regulations (2020) & GHS 7

LEGEND

ADG	Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)
BCF	Bioconcentration factor
IATA	International Air Transport Association
IARC	International Agency for Research on Cancer
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
LTEL	Long term exposure limit
NICNAS	National Industrial Chemicals Notification and Assessment Scheme
NTP	National Toxicology Program
QSAR	Quantitative structure-activity relationship
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
STEL	Short term exposure limit
TWA	Time Weighted Average

Training advice: Consideration should be given to the work procedures involved and the potential extent of exposure as they may determine whether a higher level of protection is required.

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