

Safety Data Sheet

Hazardous, NON-Dangerous Goods

1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

Product name: **TREMstop PU+**

Recommended use: Sealant

Supplier: Tremco CPG Australia Pty Ltd
ABN: 25 000 024 064
Street Address: 12/4 Southridge Street
Eastern Creek NSW 2766
Telephone: 02 9638 2755
Facsimile: 02 9638 2955

Emergency Telephone number: **02 9037 2994**

2. HAZARDS IDENTIFICATION

This material is hazardous according to the criteria of Safe Work Australia GHS 7.



Signal Word

Warning

Hazard Classification

Acute Toxicity - Inhalation - Category 4

Hazard Statement

H332 Harmful if inhaled.

Prevention Precautionary Statements

P102 Keep out of reach of children.
P103 Read carefully and follow all instructions.
P261 Avoid breathing dust, fume, gas, mist, vapours or spray..
P271 Use only outdoors or in a well-ventilated area.

Response Precautionary Statements

P101 If medical advice is needed, have product container or label at hand.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312 Call a POISON CENTER/doctor if you feel unwell.

Storage Precautionary Statement

Not allocated

Disposal Precautionary Statement

Not allocated

Poison Schedule:

DANGEROUS GOOD CLASSIFICATION

Not classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods

Safety Data Sheet



by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

3. COMPOSITION INFORMATION

CHEMICAL ENTITY	CAS NO	PROPORTION
Xylene	1330-20-7	0 - < 10 %
Benzenesulfonyl isocyanate, 4-methyl-	4083-64-1	< 1 %
4, 4' - diphenylmethane diisocyanate (MDI)	101-68-8	< 1 %
Benzene, 1,3-diisocyanatomethyl-	26471-62-5	< 1 %
Ingredients determined to be Non-Hazardous		Balance
		100%

4. FIRST AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126, New Zealand 0800 764 766).

Inhalation: If breathing has stopped, give artificial respiration. Get medical attention immediately. Remove to fresh air. If symptoms persist, call a physician.

Skin Contact: Wash skin with soap and water.

Eye contact: Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

Ingestion: Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Get medical attention.

PPE for First Aiders: Wear safety shoes, overalls, gloves, safety glasses, respirator. Use with adequate ventilation. If inhalation risk exists wear organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Available information suggests that gloves made from should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

Notes to physician: Treat symptomatically. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Avoid breathing dust/fume/gas/mist/vapors/spray. Use personal protective equipment as required. See section 8 for more information. Prolonged contact may cause redness and irritation. Coughing and/ or wheezing. Difficulty in breathing. Treat symptomatically.

5. FIRE FIGHTING MEASURES

Hazchem Code: Not applicable.

Suitable extinguishing media: If material is involved in a fire use water fog (or if unavailable fine water spray), alcohol resistant foam, standard foam, dry agent (carbon dioxide, dry chemical powder).

Specific hazards: Combustible material.

Fire fighting further advice: On burning or decomposing may emit toxic fumes. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion or decomposition.

Safety Data Sheet



6. ACCIDENTAL RELEASE MEASURES

SMALL SPILLS

Methods for containment: Prevent further leakage or spillage if safe to do so. Methods for cleaning up: Pick up and transfer to properly labeled containers.

LARGE SPILLS

Methods for containment: Prevent further leakage or spillage if safe to do so. Methods for cleaning up: Pick up and transfer to properly labeled containers.

Dangerous Goods - Initial Emergency Response Guide No: Not applicable

7. HANDLING AND STORAGE

Handling: Handle in accordance with good industrial hygiene and safety practice. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid generation of dust. Ensure adequate ventilation. Do not eat, drink or smoke when using this product.

Storage: Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep at temperatures between 50 and 95 °F / 10 and 35 °C.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National occupational exposure limits:

	TWA		STEL		NOTICES
	ppm	mg/m ³	ppm	mg/m ³	
Methylene bisphenyl isocyanate (MDI)					
Xylene	80	350	150	655	

As published by Safe Work Australia.

TWA - The time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.

STEL (Short Term Exposure Limit) - the average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

If the directions for use on the product label are followed, exposure of individuals using the product should not exceed the above standard. The standard was created for workers who are routinely, potentially exposed during product manufacture.

Biological Limit Values: As per the "National Model Regulations for the Control of Workplace Hazardous Substances (Safe Work Australia)" the ingredients in this material do not have a Biological Limit Allocated.

Engineering Measures: Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Use only in well ventilated areas. Avoid generating and inhaling dusts. Use with local exhaust ventilation or while wearing dust mask.

Personal Protection Equipment: SAFETY SHOES, OVERALLS, GLOVES, SAFETY GLASSES, RESPIRATOR.

Safety Data Sheet



Personal protective equipment (PPE) must be suitable for the nature of the work and any hazard associated with the work as identified by the risk assessment conducted.

Wear safety shoes, overalls, gloves, safety glasses, respirator. Use with adequate ventilation. If inhalation risk exists wear organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Available information suggests that gloves made from should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

RECOMMENDATIONS FOR CONSUMER USE:

In case of insufficient ventilation, wear suitable respiratory equipment. Wear a respirator conforming to EN 140 with Type A/P2 filter or better. Organic gases and vapors filter conforming to EN 14387. Wear safety glasses with side shields (or goggles).

Hygiene measures: Avoid breathing dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Solid
Colour:	Thixotropic Paste - Gray Green
Odour:	Solvent
Solubility:	No data available
Solubility in water:	Insoluble in water
Specific Gravity:	No data available
Density:	1.45
Flash Point (°C):	65 °C
Flammability Limits (%):	No data available
Autoignition Temperature (°C):	No data available
Melting Point/Range (°C):	No data available
Boiling Point/Range (°C):	No data available
pH:	No data available
Viscosity:	No data available
Total VOC (g/Litre):	64 g/L

(Typical values only - consult specification sheet)
N Av = Not available, N App = Not applicable

10. STABILITY AND REACTIVITY

Chemical stability: Stability Stable under normal conditions. Explosion data Sensitivity to mechanical impact - None. Sensitivity to static discharge - None.

Conditions to avoid: Excessive heat.

Incompatible materials: None known based on information supplied.

Hazardous decomposition products: Carbon monoxide. Carbon dioxide (CO₂). Nitrogen oxides (NO_x). Hydrogen cyanide. Thermal decomposition can lead to release of irritating and toxic gases and vapors.

Hazardous reactions: Possibility of hazardous reactions - None under normal processing. Hazardous polymerization - Hazardous polymerization may occur.

11. TOXICOLOGICAL INFORMATION

Product Name: TREMstop PU+

Reference No: TSPUPL20 502

Issued: 2022-03-01

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Page 4 of 7

Safety Data Sheet



No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Acute Effects

Inhalation: Harmful if inhaled. Specific test data for the substance or mixture is not available. Harmful by inhalation. (based on components).

Skin contact: Specific test data for the substance or mixture is not available. Causes mild skin irritation.

Ingestion: Based on available data, the classification criteria are not met.

Eye contact: Based on available data, the classification criteria are not met. Exposure to the dust may cause discomfort due to particulate nature. May cause physical irritation to the eyes.

Acute toxicity

Inhalation: This material has been classified as a Category 4 Hazard. Acute toxicity estimate (based on ingredients): $1.0 < LC_{50} \leq 5.0$ mg/L for dust.

Xylenes (o-, m-, p- isomers) LC50 (Rat): ≥ 47635 mg/L (Rattus) 4 h = >5000 ppm (Rattus) 4 h
Benzenesulfonyl isocyanate, 4-methyl- LC50 (Rat): >640 ppm (Rattus) 1 h
4,4'-Methylenediphenyl diisocyanate LC50 (Rat): $=1.5$ mg/L (Rattus) 4 h
m-tolyldiene diisocyanate LC50 (Rat): $=0.107$ mg/L 4h (Vapour)(Rattus) (OECD 403) $=0.48$ mg/L 1h (Vapour)(Rattus) (OECD 403)

Skin contact: This material has been classified as not hazardous for acute dermal exposure. Acute toxicity estimate (based on ingredients): $LD_{50} > 2,000$ mg/Kg bw

Xylenes (o-, m-, p- isomers) LD50 (Rabbit): > 1700 mg/kg (Oryctolagus cuniculus) > 4350 mg/kg (Oryctolagus cuniculus) (Method: Dermal)
4,4'-Methylenediphenyl diisocyanate LD50 (Rabbit): $LD_{50} > 9400$ mg/kg (Oryctolagus cuniculus) OECD 402 (Method: Dermal)
m-tolyldiene diisocyanate LD50 (Rabbit): $= 10000$ mg/kg (Oryctolagus cuniculus)
Benzenesulfonyl isocyanate, 4-methyl- LD50 (Rat): $LD_{50} > 2000$ mg/kg OECD 402 (Method: Dermal)

Ingestion: This material has been classified as not hazardous for acute ingestion exposure. Acute toxicity estimate (based on ingredients): $LD_{50} > 2,000$ mg/Kg bw

Xylenes (o-, m-, p- isomers) LD50 (Rat): 3500 mg/kg (Method: Oral)
Benzenesulfonyl isocyanate, 4-methyl- LD50 (Rat): 2234 mg/kg (Rattus) (Method: Oral)
4,4'-Methylenediphenyl diisocyanate LD50 (Rat): $=31600$ mg/kg (Rattus) $= 9200$ mg/kg (Rattus) (Method: Oral)
m-tolyldiene diisocyanate LD50 (Rat): $=3060$ mg/kg (Rattus) (Method: Oral)

Corrosion/Irritancy: Eye: this material has been classified as not corrosive or irritating to eyes. Skin: this material has been classified as not corrosive or irritating to skin.

Sensitisation: Inhalation: this material has been classified as not a respiratory sensitiser. Skin: this material has been classified as not a skin sensitiser.

Aspiration hazard: This material has been classified as not an aspiration hazard.

Specific target organ toxicity (single exposure): This material has been classified as not a specific hazard to target organs by a single exposure.

Chronic Toxicity

Mutagenicity: This material has been classified as not a mutagen.

Carcinogenicity: This material has been classified as not a carcinogen.

Safety Data Sheet



Reproductive toxicity (including via lactation): This material has been classified as not a reproductive toxicant.

Specific target organ toxicity (repeat exposure): This material has been classified as not a specific hazard to target organs by repeat exposure.

12. ECOLOGICAL INFORMATION

Avoid contaminating waterways.

Acute aquatic hazard: This material has been classified as not hazardous for acute aquatic exposure. Acute toxicity estimate (based on ingredients): > 100 mg/L

4,4'-Methylenediphenyl diisocyanate 101-68-8 24hr EC50 (Daphnia magna): >1000 mg/L
Xylenes (o-, m-, p-isomers) 1330-20-7 24hr EC50 (algae): 0.0084 mg/L
Xylenes (o-, m-, p-isomers) 1330-20-7 48hr EC50 (Daphnia magna): 3.4 mg/L
4,4'-Methylenediphenyl diisocyanate 101-68-8 72hr EC50 (algae): >1640 mg/L (Method: OECD 201)
4,4'-Methylenediphenyl diisocyanate 101-68-8 96hr LC50 (fish): >1000 mg/l
Xylenes (o-, m-, p-isomers) 1330-20-7 96hr LC50 (rainbow trout): 2.6 mg/L (Method: OECD 203)

Long-term aquatic hazard: This material has been classified as not hazardous for chronic aquatic exposure. Non-rapidly or rapidly degradable substance for which there are adequate chronic toxicity data available OR in the absence of chronic toxicity data, Acute toxicity estimate (based on ingredients): >100 mg/L, where the substance is not rapidly degradable and/or BCF < 500 and/or log K_{ow} < 4.

Ecotoxicity: Toxic to aquatic life with long lasting effects.

Persistence and degradability: No information available.

Xylenes (o-, m-, p-isomers) (1330-20-7) Specific analysis: 87.8 % Readily biodegradable (Method: OECD Test No. 301F: Ready Biodegradability: Manometric Respirometry Test (TG 301 F) - 28 Day Exposure Time)
4,4'-Methylenediphenyl diisocyanate (101-68-8) Specific analysis: Not readily biodegradable 0% biodegradation (Method: OECD Test No. 302C: Inherent Biodegradability: Modified MITI Test (II))

Bioaccumulative potential: There is no data for this product.

Mobility: No information available.

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation. Do not reuse empty containers.

14. TRANSPORT INFORMATION

ROAD AND RAIL TRANSPORT

Not classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

MARINE TRANSPORT

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

AIR TRANSPORT

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous

Safety Data Sheet



Goods Regulations for transport by air.

15. REGULATORY INFORMATION

This material is not subject to the following international agreements:

Montreal Protocol (Ozone depleting substances)
The Stockholm Convention (Persistent Organic Pollutants)
The Rotterdam Convention (Prior Informed Consent)
Basel Convention (Hazardous Waste)
International Convention for the Prevention of Pollution from Ships (MARPOL)

This material/constituent(s) is covered by the following requirements:

The Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) established under the Therapeutic Goods Act (Commonwealth): .

16. OTHER INFORMATION

Reason for issue: First Issue

This information was prepared in good faith from the best information available at the time of issue. It is based on the present level of research and to this extent we believe it is accurate. However, no guarantee of accuracy is made or implied and since conditions of use are beyond our control, all information relevant to usage is offered without warranty. The manufacturer will not be held responsible for any unauthorised use of this information or for any modified or altered versions.

If you are an employer it is your duty to tell your employees, and any others that may be affected, of any hazards described in this sheet and of any precautions that should be taken.

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