TREMCO MATERIAL SAFETY DATA SHEET

Issue date: 20th October, 2011

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: TREMproof® 250 GC

Company: Tremco Pty Limited ABN 25 000 024 064
Address: Unit 1, 2 Park Road, Rydalmere, New South Wales, 2116
Contact Nos.: Telephone: (02) 9638 2755 Fax: (02) 9638 2955
Emergency Telephone: 1800 224 512 7am to 5pm Monday to Friday inclusive
Product Code: 215105
Recommended Use: Coating
Other Names: TREMPROOF 250 GC-R-LV 5 GAL
Manufacturer's Product Code: 304510LV805

2. HAZARDS IDENTIFICATION

CLASSIFIED AS HAZARDOUS ACCORDING TO THE CRITERIA OF WORKSAFE AUSTRALIA

Symbols: Xn
Risk Phrases: R18 In use, may form flammable/explosive vapour-air mixture
R23/24/25 Toxic by inhalation, in contact with skin and if swallowed
R36/37/38 Irritating to eyes, respiratory system and skin
R45 May cause cancer
Safety Phrases: S2 Keep out of the reach of children
S24/25 Avoid contact with skin and eyes
S36/37/39 Wear suitable protective clothing, gloves and eye/face proection

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name:	CAS Number:	Proportion:
Aromatic process oil	64742-90-1	30.0 - 60.0%
Polyurethane Polymer	NJ TSRN# 51721300-5358P	15.0 - 40.0%
Calcium carbonate (Limestone)	1317-65-3	7.0 - 13.0%
4-Chlorobenzotrifluoride	98-56-6	0.0 - 10.0%
Butyl benzyl phthalate	85-68-7	5.0 - 10.0%
Polyvinyl chloride	9002-86-2	5.0 - 10.0%
Carbon Black	1333-86-4	1.0 – 5.0%
Stoddard solvent (Mineral Spirits)	8052-41-3	3.0 – 7.0%
Calcium oxide	1305-78-8	1.0 - 5.0%
Anthracene	120-12-7	1.0 - 5.0%
Isophorone Diisocyanate	4098-71-9	- <1.0%
Ethylbenzene	100-41-4	- <1.0%
Dioctyl phthalate	117-81-7	- <1.0%
Crystalline Silica (Quartz)/ Silica Sand	14808-60-7	- <0.1%

4. FIRST AID MEASURES

Get immediate medical attention for any significant overexposure.

Inhalation :	Move to fresh air. If required, artificial respiration or administration of oxygen can be performed by trained personnel. Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention.
Eye contact :	Flush with water for at least 15 minutes while holding eye lids apart. Get medical attention immediately.
Skin contact :	Clean area of contact thoroughly using soap and water. If irritation, rash or other disorders develop, get medical attention immediately.
Ingestion :	Do not induce vomiting unless advised by a physician. Call nearest Poison Control Center or Physician immediately.

5. FIRE FIGHTING MEASURES

Flash point :	150 °F, 66 °C
Method :	Setaflash Closed Cup
Lower explosion limit :	Not available.
Upper explosion limit :	Not available.
Autoignition temperature :	Not available.
Extinguishing media :	If water fog is ineffective, use carbon dioxide, dry chemical or foam.
Hazardous combustion Products :	Smoke, fumes. Carbon monoxide and carbon dioxide can form. Nitrogen oxides can form.
Protective equipment for Firefighters :	Use accepted fire fighting techniques. Wear full firefighting protective clothing, including self-contained breathing apparatus (SCBA).Water may be used to cool containers to minimize pressure build-up.
Fire & explosion conditions :	Vapour concentrations in enclosed areas may ignite explosively. Product may ignite if heated in excess of its flash point. Vapours may travel to sources of ignition and flashback. Closed container, may burst when exposed to extreme heat. Empty containers may contain ignitable vapours.

6. ACCIDENTAL RELEASE MEASURES

Observe all local and national regulations

Use appropriate protective equipment. Avoid contact with material. Remove sources of ignition immediately.

Stop flow of material if safe to do so. Contain spill and keep out of water courses. Ventilate area.

7. HANDLING & STORAGE

Prevent inhalation of vapor, ingestion, and contact with skin eyes and clothing. Keep container closed when not in use. Precautions also apply to emptied containers. To prevent generation of static discharges, use bonding/grounding connection when pouring liquid. Extinguish all ignition sources including pilot lights, nonexplosion proof motors and electrical equipment until vapors dissipate. Personal protective equipment must be worn during maintenance or repair of contaminated mixer, reactor, or other equipment. Keep container closed when not in use. Vapor may migrate to sources of ignition. Do not smoke, weld, generate sparks, or use flame near container. Store in sealed containers in a cool, dry, ventilated warehouse location.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protection equipment

Respiratory protection :	Wear appropriate, properly fitted NIOSH/MSHA approved organic vapor or supplied air respirator when airborne contaminant level(s) are expected to exceed exposure limits indicated on the MSDS. Follow manufacturer's directions for respirator use.
Hand protection :	Use suitable impervious nitrile or neoprene gloves and protective apparel to reduce exposure.
Eye protection :	Wear appropriate eye protection.Wear chemical safety goggles and/or face shield to prevent eye contact. Do not wear contact lenses. Do not touch eyes with contaminated body parts or materials. Have eye washing facilities readily available.
Protective measures :	Use professional judgment in the selection, care, and use. Inspect and replace equipment at regular intervals.
Engineering measures :	Use only in well ventilated areas. Provide maximum ventilation in enclosed areas.Use local exhaust when the general ventilation is inadequate.

Exposure Limits

Chemical Name	CAS Number	Regulation Limit Form
Calcium carbonate (Limestone	1317-65-3	ACGIH TWA: 10 mg/m3 OSHA PEL: 5 mg/m3 Respirable fraction. OSHA PEL: 15 mg/m3 Total dust. OSHA TWA: 15 mg/m3 Total dust. OSHA TWA: 5 mg/m3 Respirable fraction.
Carbon Black	1333-86-4	ACGIH TWA: 3.5 mg/m3 OSHA PEL: 3.5 mg/m3 OSHA TWA: 15 mg/m3 Total dust. OSHA TWA: 5 mg/m3 Respirable fraction.
Stoddard solvent (Mineral Spirits)	8052-41-3	ACGIH TWA: 100 ppm OSHA PEL: 2,900 mg/m3
Calcium oxide	1305-78-8	ACGIH TWA: 2 mg/m3 OSHA PEL: 5 mg/m3 OSHA TWA: 15 mg/m3 Total dust. OSHA TWA: 5 mg/m3 Respirable fraction.
Isophorone Diisocyanate	4098-71-9	ACGIH TWA: 0.005 ppm
Ethylbenzene	100-41-4	ACGIH TWA: 100 ppm ACGIH STEL: 125 ppm OSHA PEL: 435 mg/m3
Dioctyl phthalate	117-81-7	ACGIH TWA: 5 mg/m3 OSHA PEL: 5 mg/m3
Crystalline Silica (Quartz)/ Silica Sand	14808-60-7	OSHA TWA: 0.1 mg/m3 Respirable. OSHA TWA: 0.3 mg/m3 Total dust. OSHA PEL: 15 mg/m3 Total dust. OSHA PEL: 5 mg/m3 Respirable fraction. ACGIH TWA: 0.025 mg/m3 Respirable fraction

9. PHYSICAL AND CHEMICAL PROPERTIES

Form :	Liquid
Colour :	Black
Odour :	Aromatic Solvent
pH :	Not available.
Vapour pressure :	Not available.
Vapor density :	Heavier than air
Melting point/range :	Not available.
Freezing point :	Not available.
Boiling point/range :	Not available.
Water solubility :	Negligible
Specific Gravity :	1.09
% Volatile Weight :	16 %

10. STABILITY AND REACTIVITY

Substances to avoid :	Oxidizing agents.Strong acids.Strong bases.
Stability :	Stable under normal conditions. Avoid welding arcs, flames or other high temperature sources.
Hazardous polymerization :	Will not occur.

11. TOXOCOLOGICAL INFORMATION

Calcium carbonate, CAS-No.: 471-34-1	
Acute oral toxicity (LD-50 oral)	6,450 mg/kg (Rat)
Butyl benzyl phthalate, CAS-No.: 85-68-7	
Acute oral toxicity (LD-50 oral)	13,500 mg/kg (Rat)
Isophorone Diisocyanate, CAS-No.: 4098-71-9	
Acute oral toxicity (LD-50 oral)	1,000 mg/kg (Rat)
Acute inhalation toxicity (LC-50)	0.033 mg/l (Rat)
Acute dermal toxicity (LD-50 dermal)	1,060 mg/kg (Rat)
Ethylbenzene, CAS-No.: 100-41-4	
Acute oral toxicity (LD-50 oral)	5,460 mg/kg (Rat) 3,500 mg/kg (Rat)
Acute dermal toxicity (LD-50 dermal)	17,800 mg/kg (Rabbit)
Dioctyl phthalate, CAS-No.: 117-81-7	
Acute oral toxicity (LD-50 oral)	25,000 mg/kg (Rat) 30,000 mg/kg (Mouse) 33,900 mg/kg (Rabbit) 26,300 mg/kg (Guinea pig)
Acute dermal toxicity (LD-50 dermal)	10,000 mg/kg (Guinea pig) 25,000 mg/kg (Rabbit)

12. ECOLOGICAL INFORMATION

No Data Available

13. DISPOSAL CONSIDERATIONS

Disposal Methods: Ensure waste disposal conforms to local waste disposal regulations for hazardous waste treatment.

14. TRANSPORT INFORMATION

This product is not classified as a Dangerous Good under the provisions of the "Australian Code for the Transport of Dangerous Goods by Road and Rail."

UN Number :	None allocated
DG Class :	None allocated
Packing Group :	None allocated

15. REGULATORY INFORMATION

This product has been classified as Toxic according to the criteria of NOHSC (Worksafe Australia).

This material may be hazardous to the environment in the uncured form for technical details refer to the Product Data Sheet.

16. OTHER INFORMATION

For Industrial Use only. Keep out of reach of children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use and storage of the product under every forseeable condition.

Ref.: NOHSC (National Occupational Health & Safety Commission

Website: www.tremco.com.au

The information sourced for the preparation of this document was correct and complete at the time of writing or to the best of the writer's knowledge. The document represents the commitment to the company's responsibilities surrounding the supply of this product undertaken in good faith. This documents should be taken as a safety guide for the product and its recommended uses but is in no way an absolute authority.