



MATERIAL SAFETY DATA SHEET

Issue date: 9th March, 2009

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: GUN GRADE HYDROSEAL®

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: 130180 300ml Cartridge
Recommended Use: Provides a tough, long lasting waterproof seal on worn out roofs, shingles and flashings
Other Names: Instant Patch RR Black
Manufacturer's Product Code: 36368
Proper Shipping Name: TARS & LIQUIDS

2. HAZARDS IDENTIFICATION

CLASSIFIED AS HAZARDOUS ACCORDING TO THE CRITERIA OF WORKSAFE AUSTRALIA

Emergency Overview

Black. Semi-Solid. May cause nausea, headaches, and dizziness. May cause drowsiness, weakness, and fatigue. May cause slight irritation to the respiratory system. Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention.

Hazchem Code: 3Y
Symbols: Xn Harmful
Risk Phrases: R10 Flammable
R20/21 Harmful by inhalation and in contact with skin
R38 Irritating to skin
R43 May cause sensitisation by skin contact
R44 Risk of explosion if heated under confinement
Safety Phrases: S2 Keep out of the reach of children
S16 Keep away from sources of ignition – no smoking
S25 Avoid contact with eyes

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name:	CAS Number:	Proportion:
Bitumen	8052-42-4	40-70%
Calcium Carbonate (Limestone)	1317-65-3	15-40%
Stoddart Solvent (Mineral Spirits)	8052-41-3	10-30%
Paraffinic Distillate	64742-04-7	5.0-10%
Magnesium Aluminium Silicate	12174-11-7	5.0-10%
Inert Fillers		3.0-7%
Calcium Carbonate	471-34-1	1.0-5%
Carbon Black	1333-86-4	<-1.0%
Crystalline Silica (Quartz)/Silica Sand	14808-60-7	<-1.0%

4. FIRST AID MEASURES

Get immediate medical attention for any significant overexposure.

Inhalation: Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist get medical attention.

Eye: Flush with water for at least 15 minutes while holding eye lids apart. Get medical attention immediately.

Skin: 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 medical practitioner. Call nearest Poison Centre (Ph. 13 11 26).

First Aid Facilities: Potable water should be available to rinse eyes or skin. Provide eye baths and safety showers.

Advice to Doctor Treat symptomatically as for organic solvents.

5. FIRE FIGHTING MEASURES

Flashpoint: 47°C

Method: Setaflash Closed Cup

Flammability: Non flammable solid

Lower Explosion Limit: 0.7% (V) Solvent

Upper Explosion Limit: 6% (V) Solvent

Suitable Extinguishing

Media: If water fog is ineffective, use Carbon dioxide, dry chemical or foam.

Hazards from

Combustion Products: Smoke, fumes. Carbon monoxide and Carbon Dioxide can form. Oxides of Sulphur can form.

Precautions For Fire

Fighters & Special

Protective Equipment: Use accepted fire fighting techniques. Wear full protective clothing including self-contained breathing apparatus (SCBA).

Fire & Explosion Conditions: Product may ignite if heated in excess of its flashpoint. Vapours may travel to sources of ignition and flash back. Vapour concentrations in enclosed areas may ignite explosively. Empty containers may contain ignitable vapours.

Additional Information: Hazchem code 3[Y]

6. ACCIDENTAL RELEASE MEASURES

Observe all local and national regulations

Clear area. 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.

Recover free material. Add absorbent (sand, earth, sawdust etc.,) to spill area to put into appropriate containers for disposal.

7. HANDLING & STORAGE

Prevent inhalation of vapour, ingestion, and contact with skin eyes and clothing. Keep container closed when not in use. Precautions also apply to emptied containers. Do not smoke, weld, generate sparks, or use flame near container. Do not use in confined or poorly ventilated areas. Personal protective equipment must be worn during maintenance or repair of contaminated mixer, reactor, or other equipment. Store under dry warehouse conditions away from heat and all ignition sources.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal Protection Equipment

Respiratory Protection: Wear appropriate, properly fitted NIOSH/MSHA approved organic vapour 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.

Skin & Body Protection: Prevent contact with shoes and clothing.

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
Asphalt	8052-42-4	ACGIH TWA: fraction.as benzene solubles	0.5 mg/m3	Inhalable
Calcium Carbonate (Limestone)	1317-65-3	OSHA PEL: fraction. OSHA PEL: ACGIH TWA: particles. ACGIH TWA: particles. OSHA TWA: OSHA TWA: fraction.	5 mg/m3 15 mg/m3 3 mg/m3 10 mg/m3 15 mg/m3 5 mg/m3	Respirable Total dust. Respirable Inhalable Total dust. Respirable
Stoddard solvent (Mineral Spirits)	8052-41-3	ACGIH TWA: OSHA PEL:	100 ppm 2,900 mg/m3	
Paraffinic distillate	64742-04-7	ACGIH TWA: ACGIH STEL:	5 mg/m3 10 mg/m3	Mist. Mist.
Inert Filler	NJ TSRN# 51721300- 5013P	ACGIH TWA: OSHA PEL: fraction. OSHA PEL: OSHA TWA: OSHA TWA: fraction.	10 mg/m3 5 mg/m3 15 mg/m3 15 mg/m3 5 mg/m3	Respirable Total dust. Total dust. Respirable
Calcium carbonate	471-34-1	ACGIH TWA: OSHA PEL: fraction. OSHA PEL: OSHA TWA: OSHA TWA: fraction.	10 mg/m3 5 mg/m3 15 mg/m3 15 mg/m3 5 mg/m3	Respirable Total dust. Total dust. Respirable
Carbon Black	1333-86-4	ACGIH TWA: OSHA PEL: OSHA TWA: OSHA TWA: fraction.	3.5 mg/m3 3.5 mg/m3 15 mg/m3 5 mg/m3	Total dust. Respirable
Crystalline Silica (Quartz)/ Silica Sand	14808-60-7	ACGIH TWA: fraction. OSHA TWA: OSHA TWA: OSHA PEL: OSHA PEL: fraction.	0.05 mg/m3 0.1 mg/m3 0.3 mg/m3 15 mg/m3 5 mg/m3	Respirable Respirable. Total dust. Total dust. Respirable

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Black semi-solid paste
Odour	Petroleum
pH:	Not available
Vapour Pressure:	Not available
Vapour Density (air =1):	Heavier than air
Boiling Point (°C):	Not available
Solubility in Water:	Negligible
Specific Gravity:	1.14
Flashpoint: (°C):	47°C Setaflash Closed Cup
Percent Volatile Weight:	7%

10. STABILITY AND REACTIVITY

Chemical Stability: Stable under normal storage, handling and conditions of use.

Conditions to avoid: Avoid heat, sparks, open flames and other ignition sources.

Incompatible Materials: Strong oxidising agents.

Hazardous Polymerisation: Will not occur under normal conditions.

11. TOXICOLOGICAL INFORMATION

Calcium Carbonate CAS No. 471-34-1

Acute oral toxicity (LD-50 oral) 6,450mg/kg (Rat)

HEALTH EFFECTS

Acute:

Swallowed: May cause gastrointestinal irritation, nausea and vomiting

Eye: Direct contact may cause moderate irritation. Direct contact may cause temporary redness and discomfort.

Skin: May cause moderate irritation. May cause itching, reddening and/or inflammation. May cause a rash. May cause sensitisation.

Inhaled: May cause nausea, headaches and dizziness. May cause drowsiness, weakness and fatigue. May cause slight irritation to the respiratory system.

Aggravated Medical Conditions: Pre-existing eye, skin, liver and respiratory disorders may be aggravated by exposure.

Chronic:

Prolonged or repeated skin contact with asphalt may result in skin sensitivity, such as irritation, rashes, and dermatitis. Prolonged or repeated exposure to polycyclic aromatic hydrocarbons and other volatiles which are contained in trace amounts in asphalt have been shown to cause cancer or respiratory damage in animals. Carbon black is classified by IARC to be a known animal carcinogen and a possible human carcinogen (Group 2B). Carbon black is encapsulated by resin and not expected to have adverse effects unless made airborne. Inhalation of crystalline silica (quartz) can cause cancer based on animal data, and IARC concludes sufficient evidence in humans (Group 1). Prolonged and repeated overexposure to free crystalline silica dust above the TLV level may cause scarring of the lungs with cough and shortness

of breath. A delayed lung injury, silicosis may result from breathing free silica. Fillers are encapsulated and not expected to be released from product under normal conditions of use. Prolonged or repeated exposure to mineral spirits (petroleum naphtha or stoddard solvent) may cause defatting, drying, and irritation of the skin, dermatitis, central nervous system (CNS) effects, and adverse liver, kidney, and lung effects.

12. ECOLOGICAL INFORMATION

No data available.

13. DISPOSAL CONSIDERATIONS

Disposal Methods: Ensure waste disposal conforms to local waste disposal regulations. Subject to hazardous waste treatment, storage and disposal requirements. Recycle or incinerate waste at EPA approved facility.

14. TRANSPORT INFORMATION

UN Number:	1999
Proper Shipping Name:	TARS & LIQUIDS
Class:	3
Subsidiary Risk:	Not available
Packing Group:	III
Hazchem Code:	3Y

15. REGULATORY INFORMATION

Risk Phrases and Safety Phrases listed in Section 2.
All components are listed or exempt from the TSCA inventory.
VOC: 6% = 75g/l

16. OTHER INFORMATION

For Waterproofing Roof Repair 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 foreseeable condition.

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.