

Safety Data Sheet

Hazardous, Dangerous Goods

1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

Product name: **Heavy Grade Hydroseal**

Recommended use: High build sealant and putty

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 (Aus) +1 703-741-5500 (Worldwide)**

2. HAZARDS IDENTIFICATION

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



Signal Word

Warning

Hazard Classification

Flammable Liquids - Category 3

Hazard Statement

H226 Flammable liquid and vapour.

Prevention Precautionary Statements

P102 Keep out of reach of children.
P103 Read carefully and follow all instructions.
P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P233 Keep container tightly closed.
P240 Ground and bond container and receiving equipment.
P241 Use explosion-proof electrical, ventilating, lighting and all other equipment.
P242 Use non-sparking tools.
P243 Take action to prevent static discharges.
P280 Wear protective gloves/protective clothing including eye/face protection.

Response Precautionary Statements

P101 If medical advice is needed, have product container or label at hand.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P370+P378 In case of fire: Use (insert appropriate media) to extinguish.

Storage Precautionary Statement

P403+P235 Store in a well-ventilated place. Keep cool.

Disposal Precautionary Statement

P501 Dispose of contents/container in accordance with local, regional, national and

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international regulations.

Poison Schedule:

DANGEROUS GOOD CLASSIFICATION

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".

Dangerous Goods Class: 3

3. COMPOSITION INFORMATION

CHEMICAL ENTITY	CAS NO	PROPORTION
Asphalt	8052-42-4	40 - < 50 %
White mineral oil, petroleum	8042-47-5	20 - < 30 %
Kaolin	1332-58-7	20 - < 30 %
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: Remove casualty to fresh air and keep at rest until recovered. If not breathing, apply artificial respiration. If in cardiac arrest, apply external cardiac massage. SEEK MEDICAL ASSISTANCE.

Skin Contact: For large scale contamination, drench with water and remove contaminated clothing. Wash skin and hair thoroughly with soap and water. If blistering occurs, cover with a clean bandage and SEEK MEDICAL ASSISTANCE

Eye contact: Flush thoroughly with water for at least 15 minutes. SEEK MEDICAL ADVICE.

Ingestion: Do not induce vomiting. Rinse mouth with water. Give a glass of water to drink. If vomiting occurs give further water to drink. SEEK MEDICAL ASSISTANCE.

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 polyvinyl chloride (PVC) 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. Overalls, safety glasses, PVC or Nitrile gloves. If exposed to vapours, use respirator with organic vapour filter. Product may be removed from skin using cotton wool pads soaked in castor oil or hand cleaner. Treatment should be directed toward control of symptoms and conditions

5. FIRE FIGHTING MEASURES

Hazchem Code: 2W

Suitable extinguishing media: If material is involved in a fire use water fog (or if unavailable fine water spray),

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alcohol resistant foam, standard foam, dry agent (carbon dioxide, dry chemical powder).

Specific hazards: Flammable liquid and vapour. May form flammable vapour mixtures with air. Flameproof equipment necessary in area where this chemical is being used. Nearby equipment must be earthed. Electrical requirements for work area should be assessed according to AS3000. Vapour may travel a considerable distance to source of ignition and flash back. Avoid all ignition sources. All potential sources of ignition (open flames, pilot lights, furnaces, spark producing switches and electrical equipment etc) must be eliminated both in and near the work area. Do NOT smoke.

Fire fighting further advice: Heating can cause expansion or decomposition leading to violent rupture of containers. If safe to do so, remove containers from path of fire. Keep containers cool with water spray. 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.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILLS

Wear safety glasses, impermeable gloves and organic vapour respirator if required. Clean up with rags or paper towels. Allow to dry in well ventilated area and dispose of with dray waste

LARGE SPILLS

Stop source of leak/loss of containment if safe to do so. Isolate and eliminate ignition sources. Remove all non-essential personnel from area. Clean up personnel to wear boots overalls, solvent proof gloves, goggles or face visor and organic vapour respirator. Work upwind and/or provide intrinsically safe ventilation. Prevent contamination of drains and waterways. Use absorbent to clean up spilt material using non sparking tools. Collect spent absorbent material in sealed drums or containers and dispose of according to local environmental authority requirements. Seek assistance of EPA and emergency services if there is a chance of entering drains and water ways.

Dangerous Goods - Initial Emergency Response Guide No: 130

7. HANDLING AND STORAGE

Handling: Avoid skin contact and inhalation of vapour and mist. Do not use pressure to empty drums

Storage: Store in a cool dry place according to the requirements for a manufactured packaged product containing class 3 flammable liquid. Store in areas/building designed to comply with the appropriate dangerous goods regulations. Protect from physical damage. Keep container closed when not in use.

This material is classified as a Class 3 Flammable Liquid as per the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and/or the "New Zealand NZS5433: Transport of Dangerous Goods on Land" and must be stored in accordance with the relevant regulations.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National occupational exposure limits:

	TWA		STEL		NOTICES
	ppm	mg/m3	ppm	mg/m3	
Bitumen fumes		5.00			-
Kaolin		10.00			-

As published by Safe Work Australia.

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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. Use with local exhaust ventilation or while wearing appropriate respirator. When using this material, use explosive dust handling controls to minimise airborne dust and eliminate all ignition sources. Keep away from heat, hot surfaces, sparks and flame; prevent the build-up of static charges with appropriate earthing of equipment and personnel.

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

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 polyvinyl chloride (PVC) 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:

A respirator suitable for organic vapours must be used in poorly ventilated areas. Air supplied respirators should be used in areas with inadequate oxygen and high vapour concentrations. Glove type - PVC gloves or other solvent proof gloves should be used when handling material. Eye protection - Use close fitting chemical safety goggles, otherwise use safety glasses fitted with side shields. If splashing is possible use a face shield over safety glasses as added protection. Clothing protection - Wear industrial-type work clothing or overalls and safety footwear. Workplace - Ensure that eyewash and safety shower are available and in good working condition wherever this product is being used or manufactured.

Hygiene measures: Keep away from food and drink. Do not eat or drink while using this product. Always wash hands thoroughly prior to eating, drinking or using the toilet. Always launder or replace contaminated clothing or PPE before storing or reusing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Base Units: Litres
Form: Liquid
Colour: Black paint
Odour: Mineral Turps characteristic odour

Solubility in water: Not soluble
Specific Gravity: 1.137 @ 25°C

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Vapour Pressure:	<3.3 Kpa
Flash Point (°C):	38°C (closed cup)
Explosion/Flammability Limits:	0.4 % by Volume - 7 % by Volume
Autoignition Temperature (°C):	250oC
Melting Point/Range (°C):	Not Applicable
Boiling Point/Range (°C):	> 149o C
Total VOC (g/Litre):	50%

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

10. STABILITY AND REACTIVITY

Chemical stability: This product is thermally stable at ambient temperatures.

Conditions to avoid: Elevated temperatures and ignition sources.

Incompatible materials: Oxidising Agents

Hazardous decomposition products: Carbon monoxide and carbon dioxide

Hazardous reactions: Strong oxidising agents will violently react with this product otherwise, no reactivity hazards are known.

11. TOXICOLOGICAL INFORMATION

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: Inhalation of vapours may cause headaches and/or dizziness. Overexposure to vapour may result in respiratory tract irritation.

Skin contact: Contact with skin may result in skin reactions.

Ingestion: Ingestion of material may cause gastrointestinal disturbance, including irritation, nausea and vomiting

Eye contact: Direct eye contact may cause irritation.

Acute toxicity

Inhalation: This material has been classified as not hazardous for acute inhalation exposure. Acute toxicity estimate (based on ingredients): LC₅₀ > 20.0 mg/L for vapours or LC₅₀ > 5.0 mg/L for dust and mist.

Skin contact: This material has been classified as not hazardous for acute dermal exposure. Acute toxicity estimate (based on ingredients): LD₅₀ > 2,000 mg/Kg bw

Ingestion: This material has been classified as not hazardous for acute ingestion exposure. Acute toxicity estimate (based on ingredients): LD₅₀ > 2,000 mg/Kg bw

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.

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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.

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: Not determined as a marine pollutant however, before drying, will form a slick on top of water which could be hazardous to birds and fish. Residual bitumen is non-toxic and non-soluble in water

Long-term aquatic hazard: No information is available

Ecotoxicity: No information is available

Persistence and degradability: No information is available

Bioaccumulative potential: No information is available

Mobility: No information available.

13. DISPOSAL CONSIDERATIONS

Wherever possible, re-use, reprocess or recycle any reclaimed material to reduce waste.- Contained spills need to be soaked up and disposed into a metal container (avoid using plastic containers).- Once dry, the absorbed material may be disposed of as solid waste in conformity with the requirements of the Regulatory Authorities.- Refer Section 8 for Exposure Controls

14. TRANSPORT INFORMATION

ROAD AND RAIL TRANSPORT

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".



UN No: 1999
Dangerous Goods Class: 3
Packing Group: III
Hazchem Code: 2W

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Emergency Response Guide No: 130
Limited Quantities 5 L

Proper Shipping Name: TARS, LIQUID

Segregation Dangerous Goods: Not to be loaded with explosives (Class 1), flammable gases (Class 2.1), if both are in bulk, toxic gases (Class 2.3), spontaneously combustible substances (Class 4.2), oxidising agents (Class 5.1), organic peroxides (Class 5.2), toxic substances (Class 6.1), infectious substances (Class 6.2) or radioactive substances (Class 7). Exemptions may apply.

MARINE TRANSPORT

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea. This material is classified as a Marine Pollutant (P) according to the International Maritime Dangerous Goods Code.



UN No: 1999
Dangerous Goods Class: 3
Packing Group: III
Limited Quantities: 5 L
Proper Shipping Name: TARS, LIQUID

AIR TRANSPORT

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.



UN No: 1999
Dangerous Goods Class: 3
Packing Group: III
Limited Quantities: 10 L
Proper Shipping Name: TARS, LIQUID

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): .

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16. OTHER INFORMATION

Reason for 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.

Safety Data Sheets are updated frequently. Please ensure you have a current copy.