



CALMARC CHEMICALS

MANUFACTURING INDUSTRIAL CHEMISTS

16 GOONGARRIE ST, BAYSWATER WA 6053

TELEPHONE: Bus. (08) 93782022 Mobile: 0408 940 669 A/H (08) 9381 5052

Facsimile: (08) 9377 2575 A.C.N 009 026 386 ABN: 18 340 289 669

THIS PRODUCT IS A HAZARDOUS SUBSTANCE AS DEFINED BY SAFE WORK AUSTRALIA

SECTION 1 – CHEMICAL PRODUCT AND COMPANY INFORMATION

| | |
|-------------------------|---|
| Product Name: | Paveseal Clear, Paveseal Coloured |
| Manufacture Code: | PVSL |
| Emergency Telephone No: | (08) 9378 2022 0408 940 669 (08) 9381 5052 13 11 26 (all hours) |
| Email: | accounts@calmarc.com.au |
| Creation Date: | 1 April 2019 |
| SDS Responsibility: | Calmarc Chemical's Technical Sales (08) 9378 2022, 0418 956 860 |
| Other Information: | This SDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products. If clarification of further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company. Our responsibilities for products sold are subject to our standard terms and conditions. A copy of our terms and conditions and technical information pamphlets are available upon request. |
| | DISCLAIMER |
| | This information is based on the present level of knowledge about safety requirements not specific properties. The listed data is therefore subject to change and revision without notice and cannot be guaranteed. No warranty, expressed or implied is made as to accuracy, reliability or completeness of the detail in this document. |

SECTION 2 – HAZARDS INFORMATION/EMERGENCY OVERVIEW

| | |
|-----------------------------------|---|
| Globally Harmonised System | |
| Hazard Classification | Hazardous according to the criteria of the Globally Harmonised System of classification and labelling of Chemicals (GHS). |
| Signal Word | DANGER |
| ACUTE HEALTH EFFECTS | |
| Skin | May include itching and redness. |
| Eye | May include burning and temporary redness. |
| Inhalation | Breathing of high vapour concentrations may cause central nervous system depression. |
| Ingestion | May cause mild gastrointestinal irritation. |
| Chronic | None known at this time. |



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SPECIAL HEALTH EFFECTS

Environmental

Do not allow products to enter drinking water, rivers and streams as it may harm vegetation and wildlife.

| GHS Classification | Pictogram | Hazard Statement |
|--|-----------|---|
| Flammable Liquids Category 3 | | H226 – Flammable liquid and vapour. |
| Aspiration Hazard Category 1 | | H304 – May be fatal if swallowed and enters airways. |
| Skin Corrosion/Irritation Category 2 Serious Eye Damage/Irritation Category 2A Specific Target Organ Toxicity (Single Exposure) Category 3 | | H315 – Causes skin irritation H319 – Causes serious eye irritation H335 – May cause respiratory irritation. |
| Chronic Aquatic Toxicity Category 2 | | H411 – Toxic to aquatic life with long lasting effects. |

| | |
|---------------------|---|
| GENERAL | P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. P103 Read label before use. |
| PREVENTATIVE | P210 Keep away from heat/sparks/open flames/hot surfaces.– No smoking. P233 Keep container tightly closed. P240 Ground/bond container and receiving equipment. P241 Use explosion-proof electrical/ventilation/lighting equipment. P242 Use only non-sparking tools. P243 Take precautionary measures against static discharge. P261 Avoid breathing mist/vapours/spray. P264 Wash thoroughly after handling. P271 Use only outdoors or in a well-ventilated area. P273 Avoid release to the environment. P280 Wear protective gloves/eye protection/face protection. |



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| | |
|--|---|
| RESPONSE | |
| P301 + P310 P302 + P352 P303 + P361 + P353 | IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician. IF ON SKIN: Wash with plenty of soap and water. IF ON SKIN (or hair): Take off contaminated clothing and wash before reuse. Rinse skin with water/shower. |
| P304 + P340 | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. |
| P305 + P351 + P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P312 | Call a POISON CENTRE or doctor/physician if you feel unwell. |
| P331 | Do NOT induce vomiting. |
| P332 + P313 | If skin irritations occurs: Get medical advice/attention. |
| P337 + P313 | If eye irritation persists: Get medical advice/attention. |
| P362 | Remove contaminated clothing and wash before reuse. |
| P370 + P378 | In case of fire: Use foam/water spray/fog for extinction. |
| P391 | Collect spillage. |
| STORAGE | |
| P403 + P233 | Store in a well ventilated place. Keep container tightly closed. |
| P403 + P235 | Store in a well ventilated place. Keep cool. |
| P405 | Store locked up. |
| DISPOSAL | |
| P501 | Dispose of contents/container in accordance with local regulations. |

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

| INGREDIENTS | CAS No. | CONCENTRATION |
|-----------------------------|------------|---------------|
| Polyvinyl Acetate Copolymer | 9003-20-7 | 30% m/m |
| Solvent naphtha (petroleum) | 64742-95-6 | 70% m/m |

SECTION 4 – FIRST AID MEASURES

| | |
|-------------------------|--|
| Skin | If skin contact occurs, remove contaminated clothing and wash skin thoroughly with water and follow by washing with soap if available. |
| Eye | If in eyes, hold eyes open, flood with water for at least 15 minutes. If redness, burning, blurred vision, or swelling persist transport to nearest medical facility for additional treatment. |
| Inhalation | Remove victim from exposure if safe to do so. If rapid recovery does not occur, transport to nearest medical facility for additional treatment. Remove contaminated clothing. |
| Ingestion | If swallowed, do NOT induce vomiting. Transport to nearest medical facility for additional treatment. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. |
| Advice to Doctor | Treat symptomatically. |



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SECTION 5 – FIRE FIGHTING MEASURES

| | |
|--|--|
| Suitable Extinguishing Media | Carbon dioxide (CO ₂). Dry chemical powder. Water spray mist or foam. Do NOT use water jet. |
| Hazardous Combustion Products | Decomposition may include the following materials: carbon monoxide, carbon dioxide. |
| Specific Hazards | In a fire or if heated, a pressure increase will occur and container may burst. Carbon monoxide may be evolved if incomplete combustion occurs. Will float and can be reignited on surface water. Vapour is heavier than air, can spread along the ground and distant ignition is possible. |
| Special Protective Equipment for Firefighters | As in any fire, wear full protective clothing and self-contained breathing apparatus. Hazchem Code 3Y. |

SECTION 6 – ACCIDENTAL RELEASE MEASURES

| | |
|----------------------------------|--|
| Personal Precautions | Ensure adequate ventilation. Use personal protective equipment as required. Avoid contact with spilled or released material. Shut off leaks, if possible without personal risks. Isolate hazard area and deny entry to unnecessary or unprotected personnel. Remove all sources of ignition in the surrounding area. Take precautionary against static discharge. Ensure electrical continuity by bonding and earthing all equipment. |
| Environmental Precautions | Use appropriate containment to avoid environmental contamination. Prevent from spreading and entering waterways, sewers, basements or confined areas using sand, earth or other appropriate barriers. Attempt to disperse the vapour or to direct its flow to a safe location for example by using fog sprays. Ventilate contaminated area thoroughly. |
| Methods of Cleaning Up | Use personal protective equipment as required. Open up the area where spill or leak has occurred to ventilate direct vapours away. For small spills (< 1 drum), transfer by mechanical means to a labelled, sealable container for product recovery or safe disposal. Allow any residues to evaporate or use an appropriate absorbent material and dispose of safely. For larger spills (> 1 drum), transfer by means such as a vacuum truck to a salvage tank for recovery or disposal. Do not flush residues with water. Retain as contaminated waste. Allow any residues to evaporate or use an appropriate absorbent material and dispose of safely. |



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SECTION 7 – HANDLING AND STORAGE

| | |
|--------------------------|--|
| Handling | Flammable product. Avoid breathing vapours. Handle and open containers with care in a well-ventilated area. Ensure that the workplace is ventilated such that the Occupational Exposure limit is not exceeded. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Do not eat, drink or smoke in contaminated areas. Electrostatic charges may be generated during transfer. Electrostatic discharge may cause fire. Ensure electrical continuity by earthing all equipment. |
| Storage | Store in accordance with local/national regulations. Keep container tightly closed in a dry and well-ventilated place. Keep in properly labeled containers. Store at room temperature in the original container. Store away from sunlight, ignition sources and other sources of heat. Do not store near aerosols, strong oxidants and corrosives. |
| Other Information | Advice on general occupational hygiene: eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |

SECTION 8 – EXPOSURE CONTROLS/ PERSONAL PROTECTION

| | |
|--------------------------------------|--|
| Engineering Controls | Ensure that adequate ventilation is provided. Maintain air concentrations below recommended exposure standards. Avoid generating and inhaling mists and vapours. Keep containers closed when not in use. |
| PERSONAL PROTECTIVE EQUIPMENT | |
| Eye/Face Protection | Use safety goggles. If work practices do not maintain airborne level below the exposure standard, use appropriate respiratory protection equipment. When using respirators, select an appropriate combination of mask and filter. Select a filter for organic gases and vapours (boiling point >65°C). Respirators should comply with AS1716 or an equivalent approved by a state/territory authority. |
| Skin/Body Protection | Use solvent resistant gloves, nitrile for longer term protection or PVC and neoprene for incidental splashes. |
| Hygiene Measures | Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. When using, do not eat, drink or smoke. |



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SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

| | |
|----------------------------|------------------------------|
| Substance | Solvent borne resin solution |
| Physical Form | Liquid |
| Colour | Clear or coloured |
| Odour | Aromatic |
| pH | 6.0 |
| Boiling Point | 148-182°C |
| Melting Point | Not Applicable |
| Flash Point | 38-47 °C (Abel) |
| Freezing Point | Not Applicable |
| Flammability | Flammable |
| Upper Explosive Limits (%) | 7 |
| Lower Explosive Limit (%) | 0.6 |
| Autoginition temperature | Typical 460°C |
| Vapour Pressure | Typical 0.8 kPa @ 20°C |
| Water Solubility | Not miscible with warter |
| Specific Gravity | 0.9 g/cc |
| Corrosivity | None |
| Dynamic Viscosity | 25-40 mPas |

SECTION 10 – STABILITY AND REACTIVITY

| | |
|-------------------------------|---|
| Stability | Stable under normal conditions of use. |
| Conditions to Avoid | Avoid heat, saparks, open flames and other ignition sources. |
| Materials to Avoid | Strong oxidizing agents. |
| Reactivity | No specific test data related to reactivity available for this product or its ingredients. |
| Decomposition products | Thermal decomposition is highly dependent on conditions. A complex mixture of airborne solids, liquids, gases, including carbon monoxide, carbon dioxide and other compounds will be evolved when this material undergoes combustion or thermal or oxidative degradation. |

SECTION 11 – TOXICOLOGICAL INFORMATION

| | |
|--|--|
| Acute Potential Health Effects: | |
| Skin | May cause skin irritation. |
| Eye | Contact with eyes may cause irritation. |
| Specific Target Organ Toxicity (STOT) – Repeated Exposure | Continued inhalation may result in unconsciousness and/or death. Proloned and repeated exposures to high concentrations have resulted in hearing loss in rats. Solvent abuse and noise interaction in the work environment may cause hearing loss. |
| Aspiration Hazard | Aspiration into the lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal. |



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SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity

Acute toxicity

| | |
|----------------------|----------------------------------|
| Fish | Toxic: 1 < LC/EC/IC50 <= 10 mg/L |
| Aquatic invertebrate | Toxic: 1 < LC/EC/IC50 <= 10 mg/L |
| Algae | Toxic: 1 < LC/EC/IC50 <= 10 mg/L |
| Microorganisms | Data not available |

Chronic toxicity

| | |
|----------------------|--------------------|
| Fish | Data not available |
| Aquatic invertebrate | Data not available |
| Algae | Data not available |
| Microorganisms | Data not available |

Persistence and degradability

Readily biodegradable. Oxidises by photo-chemical reactions in air.

Bioaccumulative potential

Has the potential to bioaccumulate.

Mobility in soil

Adsorbs to soil and has low mobility. Floats on water.

Other adverse effects

Data not available.

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste Disposal

Allow absorbents to dry out in the open atmosphere. Contaminated product should be reprocessed by an approved organisation. Place any dried absorbent in plastic bags, seal and dispose at an approved site.

SECTION 14 – TRANSPORT INFORMATION

| | |
|----------------------|---|
| Proper Shipping Name | Petroleum Distillates N.O.S (Petroleum Naphtha) |
| Dangerous Goods Code | 3 |
| Subsidiary Risk | None |
| UN Number | 1268 |
| Packaging Group | III |
| Hazchem Code | 3[Y] |
| I.E.R.G. No. | 14 |

SECTION 15 – REGULATORY INFORMATION

| | |
|--|---------------|
| Poisons Schedule | 5 |
| Australian inventory of Chemical Substances (AICS) | Listed |
| Dangerous Goods Initial | |
| Emergency Response Guide (SAA/SNZ HB76) | 14 |

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SECTION 16 – OTHER INFORMATION

The details in this document are based on the state of our knowledge at the time of creation. They do not constitute an assurance of the described product properties in terms of statutory warranty requirements.

The providing of this document to a recipient does not relieve the recipient of his or her responsibility toward compliance with all laws and stipulations applicable to the product.

Directions for use are on the label and brochure describing **Paveseal**.

SDS NEXT REVIEW DATE **1 April 2024**

END OF SDS FOR PAVESEAL