

# Material Safety Data Sheet

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Infosafe No. LPWH1 Issue Date : July 2007 ISSUED by PERMANEN

Product Name : **TIE-COAT PRIMER**

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name** TIE-COAT PRIMER  
**Company Name** PERMANENT PAINTED COATINGS PTY LTD  
**Address** Unit 1/4 Prosperity Parade, Warriewood  
NSW 2102 Australia  
**Emergency Tel.** 0400 119 210  
**Telephone/Fax Number** Tel: (02) 9999 0122  
Fax: (02) 9999 0394  
**Recommended Use** Not available

## 2. HAZARDS IDENTIFICATION

**Hazard Classification** DANGEROUS GOODS.  
NON-HAZARDOUS SUBSTANCE.  
Dangerous goods classification according to the Australian Dangerous Goods Code.  
Hazard classification according to the criteria of NOHSC.  
**Risk Phrase(s)** R10 Flammable.  
**Safety Phrase(s)** S16 Keep away from sources of ignition - No smoking.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Information on Composition** Contains titanium dioxide, calcium carbonate and carbon black.

<b>Ingredients</b>	<b>Name</b>	<b>CAS</b>	<b>Proportion</b>
	Mineral Spirit	8052-41-3	30-60 %
	Ingredients determined not to be hazardous		Balance to 100%

## 4. FIRST AID MEASURES

**Inhalation** If inhaled, remove from contaminated area. Apply artificial respiration if not breathing. Seek medical attention.  
**Ingestion** If swallowed, do NOT induce vomiting. Wash out mouth with water. If symptoms develop seek medical attention.  
**Skin** Wash affected area thoroughly with soap and water. Remove contaminated clothing and wash before reuse or discard. If symptoms develop seek medical attention.  
**Eye** If contact with the eye(s) occurs, wash with copious amounts of water holding eyelid(s) open. Take care not to rinse contaminated water into the non-affected eye. If symptoms persist seek medical attention.  
**First Aid Facilities** Eye wash and normal washroom facilities.  
**Advice to Doctor** Treat symptomatically.  
**Other Information** For advice, contact a Poisons Information Centre (Phone eg Australia 131 126; New Zealand 0800 764 766) or a doctor (at once).

## 5. FIRE FIGHTING MEASURES

**Suitable Extinguishing Media** Use carbon dioxide, dry chemical or foam.  
**Hazards from Combustion Products** Under fire conditions this product may emit toxic and/or irritating fumes including carbon monoxide and carbon dioxide.  
**Specific Hazards** Combustible liquid. At elevated temperatures, vapours can form an ignitable mixture with air.  
Closed containers may explode when exposed to extreme heat. Do not apply to hot surfaces.  
**Hazchem Code** 3[Y]  
**Precautions in connection with Fire** Fire-fighters should wear full protective clothing and self contained breathing apparatus (SCBA) operated in positive pressure mode.

## 6. ACCIDENTAL RELEASE MEASURES

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**Emergency Procedures** Wear appropriate personal protective equipment and clothing to minimise exposure. Extinguish or remove all sources of ignition and stop leak if safe to do so. Increase ventilation. Evacuate all unnecessary personnel. If possible contain the spill. Place inert absorbent material onto spillage. Use clean non-sparking tools to collect the material and place into a suitable labelled container. Do not dilute material but contain. Dispose of waste according to federal, Environmental Protection Authority and state regulations. If the spillage enters the waterways contact the Environmental Protection Authority, or your local Waste Management Authority.

## 7. HANDLING AND STORAGE

**Precautions for Safe Handling** Open containers cautiously as contents may be under pressure. Use only in a well ventilated area. DO NOT store or use in confined spaces. Do not enter these areas without respiratory protection or until the atmosphere has been checked. Keep tank covered and containers sealed when not in use. Build up of mists or vapours in the atmosphere must be prevented. Avoid inhalation of vapour and mists. Do not use near welding or other ignition sources and avoid sparks. Do NOT pressurise, cut, heat or weld containers as they may contain hazardous residues. Do not smoke. When dealing with large quantities, repeated or prolonged exposure without protection should be prevented in order to lessen the possibility of disorders. It is essential that all who come into contact with this material maintain high standards of personal hygiene i.e. Washing hands prior to eating, drinking, smoking or using toilet facilities.

**Conditions for Safe Storage** Store in a cool, dry, well-ventilated area away from sources of ignition, oxidising agents, foodstuffs, and clothing and out of direct sunlight. Keep containers closed when not in use and securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks. Always keep in containers made of the same material as the supply container. Have appropriate fire extinguishers available in and near the storage area. Take precautions against static electricity discharges. Use proper grounding procedures. For information on the design of the storeroom, reference should be made to Australian Standard AS1940 - The storage and handling of flammable and combustible liquids.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards	Name	STEL		TWA		Footnote
		mg/m3	ppm	mg/m3	ppm	
	Mineral Spirit			790		
<b>Biological Limit Values</b>	No biological limit allocated.					
<b>Other Exposure Information</b>	As published by the National Occupational Health and Safety Commission (NOHSC): 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.					
<b>Engineering Controls</b>	Provide sufficient ventilation to keep airborne levels below the exposure limit. Where vapours or mists are generated, particularly in enclosed areas, and natural ventilation is inadequate, a flameproof exhaust ventilation system is required. Refer to AS 1940 - The storage and handling of flammable and combustible liquids for further information concerning ventilation requirements.					
<b>Respiratory Protection</b>	If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable vapour/mist filter should be used. Reference should be made to Australian/New Zealand Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.					
<b>Eye Protection</b>	Safety glasses with side shields or goggles as appropriate recommended. Final choice of appropriate eye/face protection will vary according to individual circumstances i.e. methods of handling or engineering controls and according to risk assessments undertaken. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial					

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<b>Hand Protection</b>	Applications. Wear gloves of impervious material such as neoprene gloves. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.
<b>Body Protection</b>	Suitable protective clothing should be worn e.g. cotton overalls buttoned at neck and wrist. When large quantities are handled the use of chemical resistant apron and safety boots is recommended. It is advisable that a local supplier of personal protective clothing is consulted regarding the choice of material.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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<b>Appearance</b>	Bluish-grey liquid
<b>Odour</b>	Light aromatic
<b>Melting Point</b>	Not available
<b>Boiling Point</b>	177-196°C
<b>Solubility in Water</b>	Negligible
<b>Specific Gravity</b>	1.32
<b>pH Value</b>	Not applicable
<b>Vapour Pressure</b>	Not available
<b>Vapour Density (Air=1)</b>	Heavier than air.
<b>Viscosity</b>	250-500 cPs (25°C)
<b>Volatile Component</b>	21% by volume
<b>Flash Point</b>	42.2°C (TCC)
<b>Auto-Ignition Temperature</b>	246°C
<b>Flammable Limits - Lower</b>	0.77%
<b>Flammable Limits - Upper</b>	6.0%

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## 10. STABILITY AND REACTIVITY

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<b>Chemical Stability</b>	Stable under normal conditions of use.
<b>Conditions to Avoid</b>	Heat, direct sunlight, open flames or other sources of ignition.
<b>Incompatible Materials</b>	Strong oxidising agents like bleach, hydrogen peroxide. Prevent contact with zinc, magnesium and galvanised metals.
<b>Hazardous Decomposition Products</b>	Thermal decomposition may yield carbon monoxide.
<b>Hazardous Polymerization</b>	Will not occur.

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## 11. TOXICOLOGICAL INFORMATION

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<b>Inhalation</b>	May cause irritation to the mucous membrane and upper airways, especially where vapours or mists are generated. Symptoms include sneezing, coughing, wheezing, shortness of breath, headache, dizziness, nausea and vomiting.
<b>Ingestion</b>	Ingestion of this product may irritate the gastric tract causing nausea and vomiting. Ingestion of large quantities may depress the central nervous system.
<b>Skin</b>	May cause irritating in contact with skin. Symptoms may include redness and itchiness. Repeated or prolonged skin contact may lead to dermatitis.
<b>Eye</b>	May cause irritation to eyes. Symptoms may include redness, tearing, stinging and blurred vision.
<b>Chronic Effects</b>	Prolonged or repeated skin contact may cause defatting leading to dermatitis.

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## 12. ECOLOGICAL INFORMATION

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Product Name : **TIE-COAT PRIMER**

**Ecotoxicity** No data available for this specific product.

**Persistence / Degradability** No data available for this specific product.

**Mobility** No data available for this specific product.

**Environ. Protection** Avoid contaminating waterways.

## 13. DISPOSAL CONSIDERATIONS

**Disposal Considerations** Dispose of waste according to federal, EPA and state regulations. Labels should not be removed from containers until they have been cleaned. Do not cut, puncture or weld on or near containers. Empty containers may contain hazardous residues. Contaminated containers must not be treated as household waste. Containers should be cleaned by appropriate methods and then re-used or disposed of by landfill or incineration as appropriate. Do not incinerate closed containers.

## 14. TRANSPORT INFORMATION

**Transport Information** This material is classified as a Class 3 (Flammable Liquid) Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. Dangerous goods of Class 3 (Flammable Liquid) are incompatible in a placard load with any of the following:

- Class 1, Explosive
- Class 2.1, Flammable Gas, if both the Class 3 and Class 2.1 dangerous goods are in bulk
- Class 2.3, Toxic Gas
- Class 4.2, Spontaneously Combustible Substance
- Class 5.1, Oxidising Agent
- Class 5.2, Organic Peroxide
- Class 6, Toxic and Infectious Substances, if the Class 3 dangerous goods are nitromethane.
- Class 7, Radioactive Substance

**U.N. Number** 1263

**Proper Shipping Name** PAINT

**DG Class** 3

**Hazchem Code** 3[Y]

**Packaging Method** 3.8.3RT1

**Packing Group** III

**EPG Number** 3C1

**IERG Number** 14

## 15. REGULATORY INFORMATION

**Poisons Schedule** S5

## 16. OTHER INFORMATION

**Date of preparation or last revision of MSDS** MSDS Created: July 2007

**MSDS**

...End Of MSDS...