

# Material Safety Data Sheet

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Infosafe No™ LPUX7 Issue Date : April 2010 ISSUED by PERMANEN

Product Name : **POR-15 RUST PREVENTATIVE PAINT**

Classified as hazardous according to criteria of NOHSC

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name** POR-15 RUST PREVENTATIVE PAINT  
**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** Rust preventative paint.

## 2. HAZARDS IDENTIFICATION

**Hazard Classification** Classified as hazardous according to criteria of NOHSC  
HAZARDOUS SUBSTANCE.  
DANGEROUS GOODS.  
Hazard classification according to the criteria of NOHSC.  
Dangerous goods classification according to the Australia Dangerous Goods Code.

**Risk Phrase(s)** Classified as hazardous according to criteria of NOHSC  
R10 Flammable.  
R36/37/38 Irritating to eyes, respiratory system and skin.  
R42/43 May cause sensitisation by inhalation and skin contact

**Safety Phrase(s)** S16 Keep away from sources of ignition - No smoking.  
S24/25 Avoid contact with skin and eyes.  
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.  
S45 In case of accident or if you feel unwell seek medical advice immediately  
S51 Use only in well ventilated areas.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Name	CAS	Proportion
	Diphenylmethane Diisocyanate	26447-40-5	10-<25 %
	Naphtha (petroleum), heavy coker	68333-23-3	10-30 %
	Ingredients determined not to be hazardous		To 100%

## 4. FIRST AID MEASURES

**Inhalation** If inhaled, remove from contaminated area. Apply artificial respiration if not breathing. Seek medical attention.

**Ingestion** Do NOT induce vomiting. Wash out mouth with water and give plenty of water to drink. Seek medical attention.

**Skin** If skin or hair contact occurs, remove contaminated clothing and immediately wash skin and hair with running water. If symptoms develop seek medical attention.

**Eye** If contact with the eye(s) occur, wash with running water holding eyelid(s) open. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Seek medical attention.

**First Aid Facilities** Eye wash and normal washroom facilities.

**Advice to Doctor** Treat symptomatically.

**Other Information** For advice in an emergency, contact a Poisons Information Centre (Phone Australia 13 11 26) or a doctor at once.

## 5. FIRE FIGHTING MEASURES

**Suitable Extinguishing Media** Water spray, water fog, foam, carbon dioxide and dry powder. Do not use water in a jet.

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<b>Hazards from Combustion Products</b>	Under fire conditions this product may emit toxic and/or irritating fumes including carbon monoxide, carbon dioxide oxides of nitrogen and hydrogen cyanide.
<b>Specific Hazards</b>	Flammable liquid. Vapour/air mixtures may ignite explosively. Precautions should be taken to eliminate the build up of explosive mixtures. Flashback along the vapour trail may occur. Runoff to sewer may create fire or explosion hazard. Heating can cause expansion or decomposition leading to violent rupture of containers.
<b>Hazchem Code</b>	3[Y]
<b>Precautions in connection with Fire</b>	Fire fighters should wear full protective clothing and self-contained breathing apparatus (SCBA) operated in positive pressure mode. Water may be used to cool containers to prevent pressure build-up or auto-ignition.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Emergency Procedures</b>	Eliminate all sources of ignition and ventilate the area. Clear area of all unprotected personnel. Slippery when spilled. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye exposure and inhalation of vapours. If possible contain the spill. Collect the material and place into suitable labelled containers for subsequent recycling or disposal. If contamination of sewers or waterways occurs inform the local water authorities and EPA in accordance with local regulations. Dispose of waste according to applicable local and national regulations.
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## 7. HANDLING AND STORAGE

<b>Precautions for Safe Handling</b>	Wear appropriate protective clothing and equipment to prevent inhalation, skin and eye contact. Handle and use the material in a well-ventilated area, away from sparks, flames and other ignition sources. Work from suitable, labelled, fire-resistant containers. Open containers carefully as they may be under pressure. Keep containers closed when not in use. Flameproof equipment is necessary in areas where the product is being used. Take precautionary measures against static discharges. Earth or bond all equipment. Have emergency equipment (for fires, spills, leaks, etc.) readily available. Do not empty into drains. Maintain a high level of personal hygiene when using the product, that is, always wash hands after handling, and before eating, drinking, smoking or using the toilet facilities.
<b>Conditions for Safe Storage</b>	Store in a cool, dry, well-ventilated area away from sources of ignition, oxidising agents, foodstuffs, 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. Do not stack more than 3 pallets high. 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. Reference should also be made to all State and Federal regulations.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>National Exposure Standards</b>	No exposure standards have been established for this material by the National Occupational Health & Safety Commission (NOHSC). However, exposure standards for ingredients are stated below.
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SUBSTANCE	TWA		STEL		NOTICES
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	
Isocyanates (all)	-	0.02	-	0.07	Sen

TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.

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.

'Sen' notice - sensitiser. The substance can cause a specific immune response in some people. An affected individual may subsequently react to exposure to minute levels of that substance.

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<b>Biological Limit Values</b>	No biological limit allocated.
<b>Engineering Controls</b>	Provide sufficient ventilation to keep airborne levels below the exposure limits. 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 and AS/NZS 2430.3.1:1997 : Classification of hazardous areas - Examples of area classification - General, 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 mist/organic vapour filter should be used. Reference should be made to Australian 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 Applications.
<b>Hand Protection</b>	Wear laminated film, nitrile, PVC or other impervious, suitable gloves conforming to AS/NZS 2161: Occupational protective 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 workwear, e.g. cotton overalls buttoned at neck and wrist. Industrial clothing should conform to the specifications detailed in AS/NZS 2919: Industrial clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Black, silver, clear (light brown trans) and grey liquid.
<b>Odour</b>	Aromatic solvent odour.
<b>Melting Point</b>	Not available
<b>Boiling Point</b>	111°C
<b>Solubility in Water</b>	Insoluble
<b>Specific Gravity</b>	1.6
<b>pH Value</b>	Not available
<b>Vapour Pressure</b>	38 mmHg
<b>Vapour Density (Air=1)</b>	4.5
<b>Evaporation Rate</b>	4.5 (For solvent) (n-Butyl acetate=1)
<b>Viscosity</b>	200-500 cPs at 25°C.
<b>Volatile Component</b>	26%
<b>Flash Point</b>	40°C
<b>Flammability</b>	Flammable liquid.
<b>Auto-Ignition Temperature</b>	Not available
<b>Flammable Limits - Lower</b>	1.0% v/v
<b>Flammable Limits - Upper</b>	7.1% v/v

## 10. STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Stable under normal conditions of storage and handling.
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<b>Conditions to Avoid</b>	Avoid moisture, heat, direct sunlight, open flames or other sources of ignition. Avoid temperatures above 35°C.
<b>Incompatible Materials</b>	This material will react with any materials containing active hydrogen such as water, alcohol, amines, strong bases, metal compounds or surface active materials.
<b>Hazardous Decomposition Products</b>	Thermal decomposition may result in the release of toxic and/or irritating fumes including carbon dioxide, carbon monoxide, nitrogen oxides and some HCN (hydrogen cyanide).
<b>Hazardous Reactions</b>	Will react with water, acids, bases, alcohols and amines. Reaction with water liberates carbon dioxide.
<b>Hazardous Polymerization</b>	Hazardous self-polymerisation may occur at elevated temperatures.

## 11. TOXICOLOGICAL INFORMATION

<b>Toxicology Information</b>	Not available
<b>Inhalation</b>	Irritating to respiratory system. Inhalation of product vapours will cause irritation of the nose, throat and respiratory system. Inhalation may cause sensitisation in some individuals.
<b>Ingestion</b>	Ingestion of this product may irritate the gastric tract causing nausea and vomiting.
<b>Skin</b>	Irritating to skin resulting in redness and itching. This product may cause sensitisation in some individuals. Product will stain skin for up to four days after contact if not immediately washed off.
<b>Eye</b>	Irritating to eyes. On eye contact this product will cause tearing, stinging, blurred vision, and redness.
<b>Chronic Effects</b>	Prolonged or repeated skin contact may lead to allergic contact dermatitis and sensitisation in some individuals. Prolonged or repeated exposure through inhalation of vapours/fumes may lead to respiratory sensitisation and occupational asthma. Long term over-exposure may result in impaired lung function.

## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	Not available
<b>Persistence / Degradability</b>	No data is available for this material.
<b>Mobility</b>	Not available
<b>Bioaccumulative Potential</b>	Not available
<b>Environ. Protection</b>	Prevent this material entering drains, sewers or waterways.

## 13. DISPOSAL CONSIDERATIONS

<b>Disposal Considerations</b>	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.
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## 14. TRANSPORT INFORMATION

<b>Transport Information</b>	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: <ul style="list-style-type: none"><li>- Class 1, Explosive</li><li>- Class 2.1, Flammable Gas, if both the Class 3 and Class 2.1 dangerous goods are in bulk</li><li>- Class 2.3, Toxic Gas</li><li>- Class 4.2, Spontaneously Combustible Substance</li><li>- Class 5.1, Oxidising Agent</li><li>- Class 5.2, Organic Peroxide</li></ul>
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<b>U.N. Number</b>	1263
<b>Proper Shipping Name</b>	PAINT
<b>DG Class</b>	3
<b>Hazchem Code</b>	3[Y]
<b>Packaging Method</b>	3.8.3RT1
<b>Packing Group</b>	III
<b>EPG Number</b>	3C1
<b>IERG Number</b>	14

## 15. REGULATORY INFORMATION

<b>Regulatory Information</b>	Classified as Hazardous according to criteria of National Occupational Health & Safety Commission (NOHSC), Australia. Classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).
<b>Poisons Schedule</b>	S6
<b>Hazard Category</b>	Harmful, Irritant
<b>AICS (Australia)</b>	All components of this product are listed on the Australian Inventory of Chemical Substances (AICS) or exempted.

## 16. OTHER INFORMATION

<b>Date of preparation or last revision of MSDS</b>	MSDS Reviewed: April 2010 Supersedes: October 2005
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...End Of MSDS...

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