

Infosafe No™ LPYJX	Issue Date : June 2014	ISSUED by PARCHEMC
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Product Name : **DELAY COAT**

Classified as hazardous

## 1. Identification

<b>GHS Product Identifier</b>	DELAY COAT
<b>Company Name</b>	Parchem Construction Supplies Pty Ltd (ABN 80 069 961 968)
<b>Address</b>	7 Lucca Road Wyong NSW 2259 Australia
<b>Telephone/Fax Number</b>	Tel: 02 4350 5000 Fax: 02 4351 2024
<b>Emergency phone number</b>	1800 638 556 (available 24/7)
<b>Recommended use of the chemical and restrictions on use</b>	Delays cork expansion
<b>Other Information</b>	<p>This SDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the workplace. Since Parchem Construction Supplies Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this MSDS in the context of how the user intends to handle and use the product in the workplace.</p> <p>If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company. Our responsibility for product as sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request.</p> <p><a href="http://www.parchem.com.au">www.parchem.com.au</a></p>

## 2. Hazard Identification

<b>Classification of the substance or mixture</b>	<p>Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.</p> <p>Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)</p>
<b>Signal Word (s)</b>	<p>Flammable Liquids: Category 2          Skin Corrosion/Irritation: Category 2          Eye Damage/Irritation: Category 2          STOT Single Exposure Category 3 (narcotic)          STOT Repeated Exposure Category 2          Toxic to Reproduction: Category 2          Danger</p>
<b>Hazard Statement (s)</b>	<p>H225 Highly flammable liquid and vapour.          H315 Causes skin irritation.          H319 Causes serious eye irritation.          H336 May cause drowsiness or dizziness.          H361 Suspected of damaging fertility or the unborn child.          H373 May cause damage to organs through prolonged or repeated exposure.</p>
<b>General Precautionary Statement (s)</b>	<p>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.</p>
<b>Pictogram (s)</b>	Flame, Health hazard, Exclamation mark



<b>Precautionary statement – Prevention</b>	<p>P201 Obtain special instructions before use.          P202 Do not handle until all safety precautions have been read and understood.          P210 Keep away from heat/sparks/open flames/hot surfaces. – No smoking.</p>
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**Precautionary statement – Response**

P233 Keep container tightly closed.  
 P240 Ground/bond container and receiving equipment.  
 P241 Use explosion-proof electrical/ventilating/lighting/equipment.  
 P242 Use only non-sparking tools.  
 P243 Take precautionary measures against static discharge.  
 P260 Do not breathe the mist/vapours/spray.  
 P264 Wash contaminated skin thoroughly after handling.  
 P271 Use only outdoors or in a well-ventilated area.  
 P280 Wear protective gloves/eye protection/face protection.  
 P308+P313 IF exposed or concerned: Get medical advice/ attention.  
 P314 Get medical advice/attention if you feel unwell.  
 P370+P378 In case of fire: Use foam, dry chemical powder or carbon dioxide for extinction.  
 P304+P340 IF INHALED: Remove 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.  
 P337+P313 If eye irritation persists: Get medical advice/attention.  
 P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 P332+P313 If skin irritation occurs: Get medical advice/ attention.  
 P362 Take off contaminated clothing and wash before re-use.  
 P403+P233+P235 Store in a well-ventilated place. Keep container tightly closed. Keep cool.  
 P405 Store locked up.  
 P501 Dispose of contents/container to an approved waste disposal plant.

**Precautionary statement – Storage**
**Precautionary statement – Disposal  
Supplemental information**

The information under this heading is not mandatory under WHS Regulations. It is provided as information on other GHS hazard classes and categories and/or environmental hazards that are outside the scope of the WHS Regulations.  
 GHS classification: Hazardous to the Aquatic Environment - Acute Hazard: Category 2, Hazardous to the Aquatic Environment - Long-Term Hazard: Category 2. Hazard statement: H411. Precautionary statement: P273, P391. Pictogram: Environment.

### 3. Composition/information on ingredients

Ingredients	Name	CAS	Proportion
	Toluene	108-88-3	60-100 %
	Acetone	67-64-1	10-30 %
	Naphtha (petroleum), hydrotreated light	64742-49-0	10-30 %
	Zinc oxide	1314-13-2	1-<10 %
	Other ingredients determined not to be hazardous		Balance

### 4. First-aid measures

<b>Inhalation</b>	If inhaled, remove affected person from contaminated area. Apply artificial respiration if not breathing. Seek medical attention.
<b>Ingestion</b>	Do not induce vomiting. Wash out mouth thoroughly with water. Seek immediate medical attention.
<b>Skin</b>	Remove all contaminated clothing immediately. Wash affected area thoroughly with soap and water. Wash contaminated clothing before reuse or discard. Seek medical attention.
<b>Eye contact</b>	If in eyes, hold eyelids apart and flush the eyes continuously with running water. Remove contact lenses. Continue flushing for several minutes until all contaminants are washed out completely. Seek medical attention.
<b>First Aid Facilities</b>	Eye wash station, safety shower and normal washroom facilities.
<b>Advice to Doctor</b>	Treat symptomatically.
<b>Other Information</b>	For advice in an emergency, contact a Poisons Information Centre (Phone 131 126 in Australia) or a doctor at once.

### 5. Fire-fighting measures

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<b>Suitable extinguishing media</b>	Use carbon dioxide, dry chemical or foam. Alcohol resistant foam is preferred. If not available normal foam can be used.
<b>Unsuitable Extinguishing Media</b>	Do not use water jet.
<b>Hazards from Combustion</b>	Under fire conditions this product may emit toxic and/or irritating fumes including oxides of nitrogen, carbon monoxide and carbon dioxide.
<b>Products</b>	
<b>Specific hazards arising from the chemical</b>	Highly flammable liquid and vapour. Vapour/air mixtures may ignite explosively. Flashback along the vapour trail may occur. Runoff to sewer may create fire or explosion hazard.
<b>Hazchem Code</b>	•3YE
<b>Decomposition Temp.</b>	Not available
<b>Precautions in connection with Fire</b>	Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) and full protective clothing to prevent exposure to vapours, fumes or products of combustion. Water spray may be used to cool down heat-exposed material. If safe to do so, remove containers from path of fire. Do not allow run-off from fire fighting to enter drains or water courses.

## 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Wear appropriate personal protective equipment and clothing to prevent exposure. Extinguish or remove all sources of ignition and stop leak if safe to do so. Increase ventilation. Evacuate all unprotected personnel. If possible contain the spill. Place inert absorbent, non-combustible material onto spillage. Use clean non-sparking tools to collect the material and place into suitable labelled containers for subsequent recycling or disposal. Dispose of waste according to the applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations.
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## 7. Handling and storage

<b>Precautions for Safe Handling</b>	Wear appropriate personal protective equipment and clothing to prevent exposure. Handle and use the material in a well-ventilated area, away from sparks, flames and other ignition sources. Have emergency equipment (for fires, spills, leaks, etc.) readily available. Work from suitable, labelled, fire-resistant containers. Open containers carefully as they may be under pressure. Keep containers tightly closed. Flameproof equipment is necessary in areas where the product is being used. Take precautionary measures against static discharges. Earth or bond all equipment. Do not empty into drains. Ensure a high level of personal hygiene is maintained when using this product, that is, always wash hands before eating, drinking, smoking or using the toilet facilities. Avoid exposure. Do not handle until all safety precautions have been read and understood. It is recommended that pregnant or breastfeeding women should not handle this product unless adequate exposure protection can be assured at all times. Female personnel planning pregnancy should be made aware of the potential risks.
<b>Conditions for safe storage, including any incompatibilities</b>	Store in a cool, dry, well-ventilated area away from sources of ignition, oxidising agents, acids, bases, foodstuffs, and out of direct sunlight. Have appropriate fire extinguishers available in and near the storage area. Take precautions against static electricity discharges. 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 applicable state and federal regulations.

## 8. Exposure controls/personal protection

**Occupational exposure limit values** No exposure value assigned for this material by Safe Work, Australia. However, the available exposure limits for ingredients are listed below:

Substance	Safe Work, Australia Exposure Standards:				NOTES
	TWA	STEL	TWA	STEL	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	
Acetone	500	1185	1000	2375	-
Toluene	50	191	150	574	Sk
Zinc oxide fume	5	-	10	-	-

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**Biological Limit Values**

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.

'Sk' Notice: Absorption through the skin may be a significant source of exposure. The exposure standard is invalidated if such contact should occur. Biological Exposure Indices BEI from American Conference of Industrial Hygienists (ACGIH) for ingredients are as follows:

Determinant	Sampling Time	Biological Exposure Indices (BEI)
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Toluene		
Toluene in urine	End of Shift	0.03 mg/L
Toluene in blood	Prior to last shift of work week	0.02 mg/L
o-Cresol with hydrolysis	End of Shift	0.3 mg/g
creatinine in urine		

Acetone		
Acetone in urine	End of shift	50 mg/L

**Appropriate engineering controls**

This substance is hazardous and should be used with a local exhaust ventilation system, drawing vapours away from workers' breathing zone. A flame-proof exhaust ventilation system is required. If the engineering controls are not sufficient to maintain concentrations of vapours/mists below the exposure standards, suitable respiratory protection must be worn. Refer to relevant regulations for further information concerning ventilation requirements. Refer to AS 1940 - The storage and handling of flammable and combustible liquids and AS/NZS 2430.3.1:2004: Classification of hazardous areas - Examples of area classification - General, for further information concerning ventilation requirements.

**Respiratory Protection**

If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable organic vapour 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.

**Eye Protection**

Safety glasses with side shields or chemical goggles should be worn. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

**Hand Protection**

Wear impervious gloves such as laminated film, nitrile or neoprene rubber. 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.

**Body Protection**

Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist. When large quantities are handled the use of plastic aprons and rubber boots is recommended.

**9. Physical and chemical properties**

<b>Appearance</b>	Pale opaque liquid.
<b>Odour</b>	Aromatic solvent odour.
<b>Decomposition Temperature</b>	Not available
<b>Melting Point</b>	Not available
<b>Boiling Point</b>	110 -111°C (Toluene)
<b>Solubility in Water</b>	Insoluble
<b>Specific Gravity</b>	0.87 (23°C)
<b>pH</b>	Not available
<b>Vapour Pressure</b>	7.3kPa (38°C) (Toluene)

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<b>Vapour Density (Air=1)</b>	3.2 (Toluene)
<b>Evaporation Rate</b>	2.4 (n-Butyl acetate=1) (Toluene)
<b>Odour Threshold</b>	Not available
<b>Viscosity</b>	>200mm <sup>2</sup> /s
<b>Partition Coefficient: n-octanol/water</b>	Not available
<b>Flash Point</b>	-17°C (Acetone)
<b>Flammability</b>	Not available
<b>Auto-Ignition Temperature</b>	Not available
<b>Flammable Limits - Lower</b>	1.0% by volume (Toluene)
<b>Flammable Limits - Upper</b>	7.1% by volume (Toluene)

## 10. Stability and reactivity

<b>Reactivity</b>	Will react with incompatible materials.
<b>Chemical Stability</b>	Stable under normal conditions of handling and storage.
<b>Conditions to Avoid</b>	Heat, direct sunlight, open flames or other sources of ignition.
<b>Incompatible Materials</b>	Oxidising agents, strong acids and bases.
<b>Hazardous Decomposition Products</b>	Under fire conditions this product may emit toxic and/or irritating fumes including oxides of nitrogen, carbon monoxide and carbon dioxide.
<b>Hazardous Polymerization</b>	Will not occur.

## 11. Toxicological Information

<b>Toxicology Information</b>	The available acute toxicity data for the ingredients is given below.
<b>Acute Toxicity - Oral</b>	Toluene: LD50 (rat): 5000-7530 mg/kg
<b>Acute Toxicity - Inhalation</b>	Toluene: LC50 (rat): 49 g/m <sup>3</sup> /4h LC50 (mouse): 400 ppm/24h
<b>Ingestion</b>	Ingestion of this product may irritate the gastric tract causing nausea, vomiting, abdominal pain and CNS depression with symptoms including dizziness, drowsiness, confusion and possible unconsciousness.
<b>Inhalation</b>	Vapours may cause drowsiness and dizziness. The vapours may be irritating to the respiratory system. The symptoms of inhalation of high concentrations of solvent vapour are pulmonary irritation, including coughing, with nausea; central nervous system depression characterised by headache and dizziness; and increased reaction time, fatigue and loss of coordination. Chronic exposure may cause damage to the central nervous system, brain, blood organs, liver and kidney. If exposure to highly concentrated solvent vapours is prolonged this may lead to narcosis, unconsciousness, even coma and possible death.
<b>Skin</b>	Causes skin irritation. Skin contact will cause redness, itching and swelling. Prolonged or repeated skin contact may cause defatting leading to drying and cracking of skin, and dermatitis.
<b>Eye</b>	Causes serious eye irritation. On eye contact this product will cause tearing, stinging, blurred vision, and redness.
<b>Respiratory sensitisation</b>	Not expected to be a respiratory sensitiser.
<b>Skin Sensitisation</b>	Not expected to be a skin sensitiser.
<b>Germ cell mutagenicity</b>	Not considered to be a mutagenic hazard.

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<b>Carcinogenicity</b>	Not considered to be a carcinogenic hazard. Toluene is listed as a Group 3: Not classifiable as to its carcinogenicity to humans according to International Agency for Research on Cancer (IARC).
<b>Reproductive Toxicity</b>	Suspected of damaging fertility or the unborn child. Classified as a suspected human reproductive or developmental toxicant.
<b>STOT-single exposure</b>	May cause drowsiness or dizziness.
<b>STOT-repeated exposure</b>	May cause damage to organs through prolonged or repeated exposure.
<b>Aspiration Hazard</b>	Not expected to be an aspiration hazard.

## 12. Ecological information

<b>Ecotoxicity</b>	Toxic to aquatic life with long lasting effects.
<b>Persistence and degradability</b>	Not available
<b>Mobility</b>	Not available
<b>Bioaccumulative Potential</b>	Not available
<b>Environmental Protection</b>	Do not discharge this material into waterways, drains and sewers.

## 13. Disposal considerations

<b>Disposal Considerations</b>	Dispose of waste according to applicable local and national regulations. Labels should not be removed from containers until they have been cleaned. Advise flammable nature. Empty containers may contain flammable residues. Do not puncture, cut or weld on or near empty containers. 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. Wastes including emptied containers are controlled wastes and should be disposed of in accordance with all applicable local and national regulations. Do not allow into drains or watercourses or dispose of where ground or surface waters may be affected.
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## 14. Transport information

<b>Transport Information</b>	<p>This material is Dangerous Goods Class 3 - Flammable Liquid according to The Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)</p> <p>Class 3 - Flammable Liquids are incompatible in a placard load with any of the following:</p> <ul style="list-style-type: none"><li>- Class 1, Explosives</li><li>- Division 2.1, Flammable Gases, (Division 2.1 and Class 3 are incompatible in transport if both are in tanks or other receptacles with a capacity individually exceeding 500 L.)</li><li>- Division 2.3, Toxic Gases</li><li>- Division 4.2 Spontaneously Combustible Substances</li><li>- Division 5.1 Oxidising substances and Division 5.2, Organic Peroxides</li><li>- Class 6 Toxic or Infectious Substances (where the flammable liquid is nitromethane)</li><li>- Class 7 Radioactive Substances.</li></ul> <p>Marine Transport (IMO/IMDG): Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea. UN No.: 1263 Proper Shipping Name: PAINT RELATED MATERIAL (Zinc Oxide) MARINE POLLUTANT DG Class: 3 Packaging Group: II EMS No.: F-E, S-E Special provisions: 163</p> <p>Air Transport (ICAO/IATA): Classified as Dangerous Goods by the criteria of the International Air</p>
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Transport Association (IATA) Dangerous Goods Regulations for transport by air.  
 UN No: 1263  
 Proper Shipping Name: PAINT RELATED MATERIAL  
 Class: 3  
 Packing Group: II  
 Label: Flammable liquid  
 Packing Instruction: 353 (For passenger and cargo aircraft)  
 Packing Instruction: 364 (For cargo aircraft only)  
 Special provisions: A3, A72  
 1263

**U.N. Number**

**UN proper shipping name** PAINT RELATED MATERIAL

**Transport hazard class(es)** 3

**Hazchem Code** •3YE

**Packing Group** II

**EPG Number** 3C1

**IERG Number** 14

**IMDG Marine pollutant** Yes

## 15. Regulatory information

**Regulatory Information** Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia  
 Classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP). (Second Schedule Paint)

**Poisons Schedule** S6

**AICS (Australia)** All components of this product are listed on the Australian Inventory of Chemical Substances (AICS).

## 16. Other Information

**Date of preparation or last revision of SDS** SDS Reviewed: June 2014  
 Supersedes: November 2009

**Literature References** Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice.  
 Standard for the Uniform Scheduling of Medicines and Poisons.  
 Australian Code for the Transport of Dangerous Goods by Road & Rail.  
 Model Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.  
 Workplace exposure standards for airborne contaminants, Safe work Australia.  
 American Conference of Industrial Hygienists (ACGIH).  
 Globally Harmonised System of classification and labelling of chemicals.

**Contact Person/Point** Technical Support: 1800 812 864

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