

# SAFETY DATA SHEET

## PLASTIC CEMENT PC4

Infosafe No.: LQBIJ

ISSUED Date : 12/12/2022

ISSUED by: REMA TIP TOP INDUSTRIE PTY LTD

### Section 1 - Identification

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**Product Identifier**

PLASTIC CEMENT PC4

**Product Code**

5320352,5323271,5323312

**Company Name**

REMA TIP TOP INDUSTRIE PTY LTD (ABN 51121411 229)

**Address**79 Elwell Close Beresfield  
NSW 2322 AUSTRALIA**Telephone/Fax Number**

Tel: (02) 4935 0200

**Emergency Phone Number**

1800 638 556

**Recommended use of the chemical and restrictions on use**

Adhesive

**Illicit Drug Precursors**

This product contains a Category III: Illicit Drug Reagent/Essential Chemical in the Code of Practice for Supply Diversion into Illicit Drug Manufacture.

### Section 2 - Hazard(s) Identification

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**GHS classification of the substance/mixture**

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 Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

Flammable liquids: Category 2

Eye damage/irritation: Category 2A

Specific target organ toxicity (single exposure): Category 3 (Respiratory tract irritation)

Specific target organ toxicity (single exposure): Category 3 (Narcotic)

**Signal Word (s)**

DANGER

**Hazard Statement (s)**

H225 Highly flammable liquid and vapour.

AUH066 Repeated exposure may cause skin dryness or cracking.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

**Pictogram (s)**

Exclamation mark, Flame

**Precautionary Statement – Prevention**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233 Keep container tightly closed.

P240 Ground and bond container and receiving equipment.

P241 Use explosion-proof [electrical/ventilating/lighting] equipment.

P242 Use non-sparking tools.

P243 Take action to prevent static discharges.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P264 Wash skin thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

**Precautionary Statement – Response**

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

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.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312 Call a POISON CENTER/doctor if you feel unwell.

P370+P378 In case of fire: Use carbon dioxide, dry chemical or foam (preferably alcohol resistant foam) to extinguish.

**Precautionary Statement – 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.

**Precautionary Statement – Disposal**

P501 Dispose of contents/container to an approved waste disposal plant.

**Section 3 - Composition and Information on Ingredients****Ingredients**

Name	CAS	Proportion
Methyl ethyl ketone	78- 93- 3	<85 %
Ingredients determined not to be hazardous		Balance

**Section 4 - First Aid Measures****Inhalation**

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

**Ingestion**

Do not induce vomiting. Wash out mouth thoroughly with water. Seek immediate medical attention.

**Skin**

Remove all contaminated clothing immediately. Wash affected area thoroughly with soap and water. Wash contaminated clothing before reuse or discard. Seek medical attention.

**Eye**

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.

**First Aid Facilities**

Eye wash, safety shower and normal washroom facilities.

**Advice to Doctor**

Treat symptomatically.

**Other Information**

For advice in an emergency, contact a Poisons Information Centre (Phone Australia 131 126) or a doctor at once.

## Section 5 - Firefighting Measures

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**Suitable Extinguishing Media**

Use carbon dioxide, dry chemical or foam. Alcohol resistant foam is preferred. If not available normal foam can be used.

**Unsuitable Extinguishing Media**

Do not use water jet.

**Hazards from Combustion Products**

Under fire conditions this product may emit toxic and/or irritating fumes, smoke and gases including carbon monoxide, carbon dioxide.

**Specific hazards arising from the chemical**

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.

**Hazchem Code**

•3YE

**Decomposition Temperature**

Not available

**Precautions in connection with Fire**

Fire fighters should wear full protective clothing and self-contained breathing apparatus (SCBA) operated in positive pressure mode. In case of fire the product may be violently or explosively reactive. Use water spray to disperse vapours. This product should be prevented from entering drains and watercourses.

## Section 6 - Accidental Release Measures

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**Emergency Procedures**

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.

## Section 7 - Handling and Storage

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**Precautions for Safe Handling**

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.

**Conditions for safe storage, including any incompatibilities**

Store in a cool, dry, well-ventilated area away from sources of ignition, foodstuffs, clothing and incompatible materials such as oxidising agents. Keep containers closed when not in use, securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks. Have appropriate fire extinguishers available in and near the storage area. Take precautions against static electricity discharges. Use proper grounding procedures. Ensure that storage conditions comply with applicable local and national regulations.

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.

## Section 8 - Exposure Controls and Personal Protection

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### Occupational exposure limit values

No exposure standards have been established for this material. However, the available exposure limits for ingredients are listed below:

Methylethyl ketone

TWA: 150 ppm, 445 mg/m<sup>3</sup>

STEL: 300 ppm, 890 mg/m<sup>3</sup>

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.

Source: Safe Work Australia

### Biological Monitoring

Name: METHYL ETHYL KETONE [78-93-3]

Determinant: Methyl ethyl ketone in urine

Value: 2 mg/L

Sampling time: End of shift

Notation: Ns

Source: American Conference of Industrial Hygienists (ACGIH)

### Control Banding

Not available.

### 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 60079.10.1 Explosive atmospheres - Classification of areas - Explosive gas atmospheres, 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 vapor/mist filter should be used. Refer to relevant regulations for further information concerning respiratory protective requirements.

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.

### Eye and Face Protection

Safety glasses with side shields, chemical goggles or full-face shield as appropriate should be used. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform to relevant regulations.

Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 (series) - Eye Protectors for Industrial Applications.

### Hand Protection

Wear gloves of impervious material such as butyl rubber (minimum coat thickness 0.7 mm, permeation resistance (wear duration) > 240 minutes). Final choice of appropriate gloves will vary according to individual circumstances. i.e. methods of handling or according to risk assessments undertaken. Occupational protective gloves should conform to relevant regulations.

Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

### Thermal Hazards

No further relevant information available.

### Body Protection

Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.

## Section 9 - Physical and Chemical Properties

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Properties	Description	Properties	Description
Form	Liquid	Appearance	Liquid
Colour	Yellowish	Odour	Like ketone
Melting Point	Not available	Boiling Point	80°C (approximate)
Decomposition Temperature	Not available	Solubility in Water	Partially miscible (20°C)
Solubility in Organic Solvents	Not available	Specific Gravity	Not available
pH	Not applicable	Vapour Pressure	101 hPa (20°C) (approximate)
Relative Vapour Density (Air=1)	Not available	Evaporation Rate	Not available
Odour Threshold	Not available	Viscosity	Not available
Volatile Component	<85% (solvent content)	Partition Coefficient: n-octanol/water (log value)	Not available
Density	0.83 g/cm3 (20°C)	Flash Point	-4°C
Flammability	Highly flammable	Auto-Ignition Temperature	Ignition Temperature: 514°C
Flammable Limits - Lower	1.8%	Flammable Limits - Upper	Not available
Explosion Properties	Not available	Oxidising Properties	Not available
Particle Size	Not available		

## Section 10 - Stability and Reactivity

### Reactivity

Reacts with incompatible materials.

### Chemical Stability

Stable under normal conditions of storage and handling.

### Conditions to Avoid

Heat, flames and other sources of ignition.

### Incompatible Materials

Strong oxidizing agents.

### Hazardous Decomposition Products

Thermal decomposition may result in the release of toxic and/or irritating fumes and gases including carbon monoxide and carbon dioxide.

### Hazardous Polymerization

Will not occur.

## Section 11 - Toxicological Information

### Toxicology Information

No toxicology data available for this product. The available data for the ingredients are as follows:

#### Acute Toxicity - Oral

Methylethyl ketone:

LD50 (Rat): 3,300 mg/kg

#### Acute Toxicity - Dermal

Methylethyl ketone:

LD50 (Rabbit): 6,400 - 8,000 mg/kg

#### Ingestion

Ingestion of this product may irritate the gastric tract causing nausea and vomiting.

#### Inhalation

May cause respiratory irritation. Inhalation of product vapours can cause irritation of the nose, throat and respiratory system. 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, drowsiness, nausea and vomiting.

#### Skin

May be irritating to skin. The symptoms may include redness, itching and swelling. Repeated exposure may cause skin dryness and cracking and may lead to dermatitis.

**Eye**

Causes serious eye irritation. On eye contact this product will cause tearing, stinging, blurred vision, and redness.

**Respiratory Sensitisation**

Not expected to be a respiratory sensitiser.

**Skin Sensitisation**

Not expected to be a skin sensitiser.

**Germ Cell Mutagenicity**

Not considered to be a mutagenic hazard.

**Carcinogenicity**

Not considered to be a carcinogenic hazard.

**Reproductive Toxicity**

Not considered to be toxic to reproduction.

**STOT - Single Exposure**

May cause drowsiness or dizziness. May cause respiratory irritation.

**STOT - Repeated Exposure**

Not expected to cause toxicity to a specific target organ.

**Aspiration Hazard**

Not considered to be an aspiration hazard.

## Section 12 - Ecological Information

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**Ecotoxicity**

No ecological data available for this material. The available ecological data for the ingredients is given below.

**Persistence and degradability**

For Methyl ethyl ketone:

Readily biodegradable (to OECD criteria)

**Mobility**

Not available

**Bioaccumulative Potential**

Not available

**Other Adverse Effects**

Not available

**Environmental Protection**

Do not discharge this material into waterways, drains and sewers.

**Acute Toxicity - Fish**

Methyl ethyl ketone:

LC50 (Pimephales promelas): 3220 mg/l/96h

**Acute Toxicity - Daphnia**

Methyl ethyl ketone:

EC50 (Daphnia magna): 5091 mg/l/48h

**Hazardous to the Ozone Layer**

This product is not expected to deplete the ozone layer.

## Section 13 - Disposal Considerations

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**Disposal Considerations**

Dispose of waste according to applicable local and national 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 flammable 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. Advise flammable nature. To minimise personal exposure, refer to Section 8 - Exposure Controls and Personal Protection.

## Section 14 - Transport Information

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### Transport Information

Road and Rail Transport (ADG Code):

This material is a Class 3 - Flammable Liquid according to The Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

Class 3 - Flammable Liquids are incompatible in a placard load with any of the following:

- Class 1: Explosives
- 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)
- Division 2.3: Toxic Gases
- Division 4.2: Spontaneously Combustible Substances
- Division 5.1: Oxidising substances
- Division 5.2: Organic Peroxides
- Class 6: Toxic or Infectious Substances  
(where the flammable liquid is nitromethane)
- Class 7: Radioactive materials unless specifically exempted

Marine Transport (IMO/IMDG):

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

Class/Division: 3

UN-No: 1133

Proper Shipping Name: ADHESIVES

Packaging Group: II

EMS: F-E, S-D

Special Provisions: -

Air Transport (ICAO/IATA):

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

Class/Division: 3

UN-No: 1133

Proper Shipping Name: Adhesives

Packaging Group: II

Packaging Instructions (passenger & cargo): 353

Packaging Instructions (cargo): 364

Label: Flammable Liquid

Special provisions: A3

### ADG U.N. Number

1133

### ADG Proper Shipping Name

ADHESIVES

### ADG Transport Hazard Class

3

### ADG Packing Group

II

### Hazchem Code

•3YE

### IERG Number

14

### Special Precautions for User

Not available

**IMDG Marine pollutant**

No

**Transport in Bulk**

Not available

**Section 15 - Regulatory Information**

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**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).

**Poisons Schedule**

S5

**Montreal Protocol**

Not listed

**Stockholm Convention**

Not listed

**Rotterdam Convention**

Not listed

**International Convention for the Prevention of Pollution from Ships (MARPOL)**

Not available

**Agricultural and Veterinary Chemicals Act 1994**

Not available

**Basel Convention**

Not available

**Section 16 - Any Other Relevant Information**

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**Date of Preparation**

SDS created: December 2022

**Version Number**

1.0

**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.

Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.

Code of Practice for Supply Diversion into Illicit Drug Manufacture.

National Code of Practice for Chemicals of Security Concern.

Agricultural Compounds and Veterinary Chemicals Act.

International Agency for Research on Cancer (IARC) Monographs.

Montreal Protocol on Substances that Deplete the Ozone Layer.

Stockholm Convention on Persistent Organic Pollutants (POPs).

Rotterdam Convention on the Prior Informed Consent Procedure for Certain Hazardous Chemicals and Pesticides in International Trade.

Basel Convention on the Control of Transboundary Movements of Hazardous Wastes and Their Disposal.

International Air Transport Association (IATA) Dangerous Goods Regulations.

International Maritime Dangerous Goods (IMDG) Code.

Workplace exposure standards for airborne contaminants.

Adopted biological exposure determinants, American Conference of Industrial Hygienists (ACGIH).

Globally Harmonised System of Classification and Labelling of Chemicals (7th revised edition).

Code of Practice: Managing Noise and Preventing Hearing Loss at Work.

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## END OF SDS

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