

# Mapei Isolastic

Mapei Australia Pty Ltd

Chemwatch: 5042-31

Version No: 7.1.1.1

Safety Data Sheet according to WHS and ADG requirements

Chemwatch Hazard Alert Code: 1

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## SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

### Product Identifier

Product name	Mapei Isolastic
Synonyms	synthetic polymer aqueous dispersion
Other means of identification	Not Available

### Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses	Water dispersion of synthetic polymers. (VOC per CA South Coast Air Quality Management District, Rule 1168)
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### Details of the supplier of the safety data sheet

Registered company name	Mapei Australia Pty Ltd	Mapei New Zealand Ltd
Address	180 Viking Drive Wacol QLD 4076 Australia	30 Fisher Crescent Mt Wellington Auckland New Zealand
Telephone	+61 7 3276 5000 (Mon-Fri 8am to 5pm)	+64 9 921 1994 (Mon-Fri 9am-5pm)
Fax	+61 7 3276 5076	+64 9 921 1993
Website	www.mapei.com.au	www.mapei.co.nz
Email	sales@mapei.com.au	enquiries@mapei.co.nz

### Emergency telephone number

Association / Organisation	Australian Poisons Information Centre hotline 24 Hour Service 13 11 26	New Zealand Poisons Information Centre - +64 3 479 7227 Normal Hours
Emergency telephone numbers	13 11 26	0800 POISON (0800 764 766)
Other emergency telephone numbers	Police or Fire Brigade 000	Police or Fire Brigade 111

## SECTION 2 HAZARDS IDENTIFICATION

### Classification of the substance or mixture

NON-HAZARDOUS CHEMICAL, NON-DANGEROUS GOODS. According to the WHS Regulations and the ADG Code.

### CHEMWATCH HAZARD RATINGS

	Min	Max
Flammability	0	
Toxicity	0	Acute
Body Contact	1	100
Reactivity	0	100
Chronic	0	100

Poisons Schedule: Not Applicable

Classification: Not Applicable

### Label elements

GHS label elements: Not Applicable

SIGNAL WORD: NOT APPLICABLE

### Hazard statement(s)

Not Applicable

### Precautionary statement(s) Prevention

Not Applicable

### Precautionary statement(s) Response

Not Applicable

### Precautionary statement(s) Storage

Not Applicable

### Precautionary statement(s) Disposal

Continued...

Not Applicable

### SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

#### Substances

See section below for composition of Mixtures

#### Mixtures

CAS No	%(weight)	Name
Various	NotSpec.	acrylic resin
Not Available	NotSpec.	fillers, pigments unspecified
7732-18-5	NotSpec.	water

No other ingredient information supplied.

### SECTION 4 FIRST AID MEASURES

#### Description of first aid measures

<b>Eye Contact</b>	<p>If this product comes in contact with the eyes:</p> <ul style="list-style-type: none"><li>Wash out immediately with fresh running water.</li><li>Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids.</li><li>Seek medical attention without delay; if pain persists or recurs seek medical attention.</li><li>Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.</li></ul>
<b>Skin Contact</b>	<p>If skin contact occurs:</p> <ul style="list-style-type: none"><li>Immediately remove all contaminated clothing, including footwear.</li><li>Flush skin and hair with running water (and soap if available).</li><li>Seek medical attention in event of irritation.</li></ul>
<b>Inhalation</b>	<ul style="list-style-type: none"><li>If fumes, aerosols or combustion products are inhaled remove from contaminated area.</li><li>Other measures are usually unnecessary.</li></ul>
<b>Ingestion</b>	<ul style="list-style-type: none"><li>Immediately give a glass of water.</li><li>First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.</li></ul>

#### Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

### SECTION 5 FIREFIGHTING MEASURES

#### Extinguishing media

- There is no restriction on the type of extinguisher which may be used.
- Use extinguishing media suitable for surrounding area.

#### Special hazards arising from the substrate or mixture

**Fire Incompatibility** None known.

#### Advice for firefighters

<b>Fire Fighting</b>	<ul style="list-style-type: none"><li>Alert Fire Brigade and tell them location and nature of hazard.</li><li>Wear breathing apparatus plus protective gloves in the event of a fire.</li><li>Prevent, by any means available, spillage from entering drains or water courses.</li><li>Use fire fighting procedures suitable for surrounding area.</li><li>DO NOT approach containers suspected to be hot.</li></ul>
<b>Fire/Explosion Hazard</b>	<ul style="list-style-type: none"><li>Non combustible.</li><li>Not considered a significant fire risk, however containers may burn.</li></ul> <p>Combustion products include: carbon monoxide (CO) carbon dioxide (CO2) May emit corrosive fumes.</p>
<b>HAZCHEM</b>	Not Applicable

### SECTION 6 ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protective equipment and emergency procedures

See section 8

#### Environmental precautions

See section 12

#### Methods and material for containment and cleaning up

<b>Minor Spills</b>	<ul style="list-style-type: none"><li>Clean up all spills immediately.</li><li>Avoid breathing vapours and contact with skin and eyes.</li><li>Control personal contact with the substance, by using protective equipment.</li><li>Contain and absorb spill with sand, earth, inert material or vermiculite.</li><li>Wipe up.</li></ul>
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- Major Spills**
- Moderate hazard.
  - ▶ Clear area of personnel and move upwind.
  - ▶ Alert Fire Brigade and tell them location and nature of hazard.
  - ▶ Wear breathing apparatus plus protective gloves.
  - ▶ Prevent, by any means available, spillage from entering drains or water course.

Personal Protective Equipment advice is contained in Section 8 of the SDS.

**SECTION 7 HANDLING AND STORAGE**

**Precautions for safe handling**

- Safe handling**
- ▶ Avoid all personal contact, including inhalation.
  - ▶ Wear protective clothing when risk of exposure occurs.
  - ▶ Use in a well-ventilated area.
  - ▶ Avoid contact with moisture.
  - ▶ Avoid contact with incompatible materials.
  - ▶ DO NOT allow clothing wet with material to stay in contact with skin.
- Other information**
- ▶ Store in original containers.
  - ▶ Keep containers securely sealed.
  - ▶ Store in a cool, dry, well-ventilated area.
  - ▶ Store away from incompatible materials and foodstuff containers.
  - ▶ Protect containers against physical damage and check regularly for leaks.

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

- Suitable container**
- ▶ Polyethylene or polypropylene container.
  - ▶ Packing as recommended by manufacturer.
  - ▶ Check all containers are clearly labelled and free from leaks.
- Storage incompatibility** None known

**SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Control parameters**

**OCCUPATIONAL EXPOSURE LIMITS (OEL)**


**INGREDIENT DATA**

Not Available

**EMERGENCY LIMITS**

Ingredient	Material name	TEEL-1	TEEL-2	TEEL-3
Mapei Isolastic	Not Available	Not Available	Not Available	Not Available
Ingredient	Original IDLH	Revised IDLH		
acrylic resin	Not Available	Not Available		
fillers, pigments unspecified	Not Available	Not Available		
water	Not Available	Not Available		

**Exposure controls**

- Appropriate engineering controls**
- Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection.
- The basic types of engineering controls are:
- Process controls which involve changing the way a job activity or process is done to reduce the risk.
  - Enclosure and/or isolation of emission source which keeps a selected hazard "physically" away from the worker and ventilation that strategically "adds" and "removes" air in the work environment. Ventilation can remove or dilute an air contaminant if designed properly.
- Personal protection**
- 
- Eye and face protection**
- ▶ Safety glasses with side shields.
  - ▶ Chemical goggles.
  - ▶ Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. A written policy document, describing the wearing of lenses or restrictions on use, should be created for each workplace or task. This should include a review of lens absorption and adsorption for the class of chemicals in use and an account of injury experience.
- Skin protection** See Hand protection below
- Hands/feet protection**
- ▶ Wear chemical protective gloves, e.g. PVC.
  - ▶ Wear safety footwear or safety gumboots, e.g. Rubber
- Body protection** See Other protection below
- Other protection**
- ▶ Overalls.
  - ▶ P.V.C. apron.
  - ▶ Barrier cream.
  - ▶ Skin cleansing cream.
- Thermal hazards** Not Available

**Recommended material(s)**

### GLOVE SELECTION INDEX

Glove selection is based on a modified presentation of the: "Forsberg Clothing Performance Index".  
The effect(s) of the following substance(s) are taken into account in the *computer-generated* selection:  
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Material	CPI
BUTYL	C
NATURAL RUBBER	C
NEOPRENE	C
PVA	C
VITON	C

\* CPI - Chemwatch Performance Index

A: Best Selection

B: Satisfactory; may degrade after 4 hours continuous immersion

C: Poor to Dangerous Choice for other than short term immersion

**NOTE:** As a series of factors will influence the actual performance of the glove, a final selection must be based on detailed observation. -

\* Where the glove is to be used on a short term, casual or infrequent basis, factors such as "feel" or convenience (e.g. disposability), may dictate a choice of gloves which might otherwise be unsuitable following long-term or frequent use. A qualified practitioner should be consulted.

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Appearance</b>	White liquid with a characteristic odour; mixes with water.		
<b>Physical state</b>	Liquid	<b>Relative density (Water = 1)</b>	1.02
<b>Odour</b>	Not Available	<b>Partition coefficient n-octanol / water</b>	Not Available
<b>Odour threshold</b>	Not Available	<b>Auto-ignition temperature (°C)</b>	Not Applicable
<b>pH (as supplied)</b>	4-5	<b>Decomposition temperature</b>	Not Available
<b>Melting point / freezing point (°C)</b>	Not Available	<b>Viscosity (cSt)</b>	Not Available
<b>Initial boiling point and boiling range (°C)</b>	100	<b>Molecular weight (g/mol)</b>	Not Applicable
<b>Flash point (°C)</b>	Not Applicable	<b>Taste</b>	Not Available
<b>Evaporation rate</b>	Not Available	<b>Explosive properties</b>	Not Available
<b>Flammability</b>	Not Applicable	<b>Oxidising properties</b>	Not Available
<b>Upper Explosive Limit (%)</b>	Not Applicable	<b>Surface Tension (dyn/cm or mN/m)</b>	Not Available
<b>Lower Explosive Limit (%)</b>	Not Applicable	<b>Volatile Component (%vol)</b>	0.38 g/l (VOC)
<b>Vapour pressure (kPa)</b>	Not Available	<b>Gas group</b>	Not Available
<b>Solubility in water (g/L)</b>	Miscible	<b>pH as a solution (1%)</b>	Not Available
<b>Vapour density (Air = 1)</b>	Not Available	<b>VOC g/L</b>	Not Available

## SECTION 10 STABILITY AND REACTIVITY

<b>Reactivity</b>	See section 7
<b>Chemical stability</b>	<ul style="list-style-type: none"> <li>Unstable in the presence of incompatible materials.</li> <li>Product is considered stable.</li> <li>Hazardous polymerisation will not occur.</li> </ul>
<b>Possibility of hazardous reactions</b>	See section 7
<b>Conditions to avoid</b>	See section 7
<b>Incompatible materials</b>	See section 7
<b>Hazardous decomposition products</b>	See section 5

## SECTION 11 TOXICOLOGICAL INFORMATION

### Information on toxicological effects

<b>Inhaled</b>	The material is not thought to produce adverse health effects or irritation of the respiratory tract (as classified by EC Directives using animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable control measures be used in an occupational setting. Acrylic polymer emulsions may contain residual traces of odorous acrylic monomers; the amounts remaining in compounded mixtures represents a very low order of exposure, however this may become noticeable with some materials particularly in confined or poorly ventilated spaces.
<b>Ingestion</b>	The material has NOT been classified by EC Directives or other classification systems as "harmful by ingestion". This is because of the lack of corroborating animal or human evidence.
<b>Skin Contact</b>	There is some evidence to suggest that this material can cause inflammation of the skin on contact in some persons.

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**Eye** There is some evidence to suggest that this material can cause eye irritation and damage in some persons.  
**Chronic** Long-term exposure to the product is not thought to produce chronic effects adverse to the health (as classified by EC Directives using animal models); nevertheless exposure by all routes should be minimised as a matter of course.

<b>Mapei Isolastic</b>	<b>TOXICITY</b> Not Available	<b>IRRITATION</b> Not Available
<b>acrylic resin</b>	<b>TOXICITY</b> Not Available	<b>IRRITATION</b> Not Available
<b>water</b>	<b>TOXICITY</b> Oral (rat) LD50: >90000 mg/kg <sup>[2]</sup>	<b>IRRITATION</b> Not Available

**Legend:** <sup>1</sup> Values obtained from Europe ECHA Registered Substances - Acute toxicity 2 \* Values obtained from manufacturer's SDS - Unless otherwise specified data obtained from RTECS - Register of Toxic Effect of chemical Substances

**Mapei Isolastic** Not available for mixture or identified for ingredient(s).  
**ACRYLIC RESIN** CAUTION: The chronic health effects of acrylic monomers are under review.  
Use good occupational work practices to avoid personal contact.  
**ACRYLIC RESIN & WATER** No significant acute toxicological data identified in literature search.

<b>Acute Toxicity</b>	<b>Carcinogenicity</b>	
<b>Skin Irritation/Corrosion</b>	<b>Reproductive</b>	
<b>Serious Eye Damage/Irritation</b>	<b>STOT - Single Exposure</b>	
<b>Respiratory or Skin sensitisation</b>	<b>STOT - Repeated Exposure</b>	
<b>Mutagenicity</b>	<b>Aspiration Hazard</b>	
	<b>Legend</b>	<ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Data available but does not fill the criteria for classification</li> <li><input type="checkbox"/> Data required to make classification available</li> <li><input type="checkbox"/> Data Not Available to make classification</li> </ul>

**SECTION 12 ECOLOGICAL INFORMATION**

**Toxicity**

Ingredient	Endpoint	Test Duration (hr)	Species	Value	Source
Not Available	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

**Legend:** <sup>1</sup> Derived from 1. WCLID Toxicity Data 2. Europe ECHA Registered Substances - Ecotoxicological Information - Acute Toxicity 3. EPIWIN Suite V1.12 - Acute Toxicity Data (Estimated) 4. US EPA Ecotox database - Acute Toxicity Data 5. ECHA EC Acute Hazard Assessment Data 6. NITE Japan - Bioconcentration Data 7. METI (Japan) - Bioconcentration Data 8. Vendor Data

DO NOT discharge into sewers or waterways.

**Persistence and degradability**

Ingredient	Persistence: Water/Soil	Persistence: Air
water	LOW	LOW

**Bioaccumulative potential**

Ingredient	Bioaccumulation
water	LOW (LogKOW = -1.38)

**Mobility in soil**

Ingredient	Mobility
water	LOW (KOC = 14.3)

**SECTION 13 DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

- Product / Packaging disposal**
- Recycle wherever possible.
  - Consult manufacturer for recycling options or consult local or regional waste management authority for disposal if no suitable treatment or disposal facility can be identified.
  - Dispose of by: burial in a land-fill specifically licenced to accept chemical and / or pharmaceutical wastes or incineration in a licenced apparatus (after admixture with suitable combustible material).
  - Decontaminate empty containers. Observe all label safeguards until containers are cleaned and destroyed.

## SECTION 14 TRANSPORT INFORMATION

### Labels Required

Marine Pollutant	NO
HAZCHEM	Not Applicable

Land transport (ADG): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Air transport (ICAO-IATA / DGR): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Sea transport (IMDG-Code / GGVSee): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Transport in bulk according to Annex II of MARPOL and the IBC code

Not Applicable

## SECTION 15 REGULATORY INFORMATION

Safety, health and environmental regulations / legislation specific for the substance or mixture

ACRYLIC RESIN(VARIOUS) IS FOUND ON THE FOLLOWING REGULATORY LISTS

Not Applicable

WATER(7732-18-5) IS FOUND ON THE FOLLOWING REGULATORY LISTS

Australia Inventory of Chemical Substances (AICS)

National Inventory	Status
Australia - AICS	N (acrylic resin)
Canada - DSL	N (acrylic resin)
Canada - NDSL	N (water, acrylic resin)
China - IECSC	N (acrylic resin)
Europe - EINEC / ELINCS / NLP	N (acrylic resin)
Japan - ENCS	N (water, acrylic resin)
Korea - KECI	N (acrylic resin)
New Zealand - NZIoC	N (acrylic resin)
Philippines - PICCS	N (acrylic resin)
USA - TSCA	N (acrylic resin)

Legend:

N = All ingredients are on the inventory

N = Not determined on basis of our ingredients are not on the inventory and hence a request to our suppliers specific ingredients in products

## SECTION 16 OTHER INFORMATION

### Other information

Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the Chemwatch Classification committee using available literature references.

A list of reference resources used to assist the committee may be found at:

[www.chemwatch.net](http://www.chemwatch.net)

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

### Definitions and abbreviations

PC – TWA: Permissible Concentration-Time Weighted Average  
PC – STEL: Permissible Concentration-Short Term Exposure Limit  
IARC: International Agency for Research on Cancer  
ACGIH: American Conference of Governmental Industrial Hygienists  
STEL: Short Term Exposure Limit  
TEEL: Temporary Emergency Exposure Limit  
IDLH: Immediately Dangerous to Life or Health Concentrations  
OSF: Odour Safety Factor  
NOAEL: No Observed Adverse Effect Level  
LOAEL: Lowest Observed Adverse Effect Level  
TLV: Threshold Limit Value  
LOD: Limit Of Detection  
OTV: Odour Threshold Value  
BCF: BioConcentration Factors  
BEI: Biological Exposure Index

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