

PERMAFORM APPLICATION SAFETY DATA SHEET



PERMAFORM IS A PERMANENT PVC CONCRETE WALL FORMWORK SYSTEM DESIGNED AND PRODUCED FOR AUSTRALIAN CONDITIONS

PERMAFORM is a permanent PVC wall formwork system for concrete retention which remains in place for the life of the structure, designed and produced for Australian conditions. As such it does not affect the structural integrity of the concrete element.

1- PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

PRODUCT NAME: PERMAFORM

Recommended Use of the Chemical and Restriction on Use: Formwork system - extruded rigid polymer material used for permanent formwork for retaining concrete when pouring and subsequently as permanent wall cladding.

DETAILS OF MANUFACTURER/ IMPORTER:

Quintex Systems Pty Ltd
T/A Permaform

PO BOX 103
Moorebank NSW 1875

PH: 1800 737 623

Emergency: 0488 040 603

2- HAZARDS IDENTIFICATION

PRECAUTIONARY STATEMENTS

- + P272 Contaminated work clothing should not be allowed out of the workplace.
- + P201 Obtain special instructions before use.
- + P202 Do not handle until all safety precautions have been read and understood.
- + P321 Specific treatment (see on this label).
- + P308+P313 If exposed or concerned: Get medical advice/attention.
- + P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
- + P302+P352 If on skin Wash with plenty of soap and water.
- + P362+P364 Take off contaminated clothing and wash it before reuse.
- + P405 Store locked up.
- + P501 Dispose of contents/container in accordance with local/regional/national regulations.

3- COMPOSITION AND INFORMATION ON INGREDIENTS

CHEMICAL CHARACTERIZATION: MIXTURES

Description: Mixture of substances listed below with nonhazardous additions.

ACCORDING TO SAFE WORK AUSTRALIA

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Product Name: PERMAFORM 36.0.9

HAZARDOUS COMPONENTS:

471-34-1 calcium carbonate 4%; 12202-17-4 Lead oxide sulphate; Repr. 1B, H360; STOT RE 2, H373; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Acute Tox. 4, H302; Acute Tox. 4, H332 1% 8013-07-8 Soybean oil, epoxidized Skin Sens. 1, H317 1%

QUINTEX SYSTEMS PTY LTD
T/A PERMAFORM
ABN 51 646 430 604

PO BOX 103
MOOREBANK NSW 1875

PH **1800 PERMAFORM**
(1800 737 623)

permaform.com.au
info@permaform.com.au

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4- FIRST AID MEASURES

INHALATION: If inhaled, remove to fresh air. Seek medical attention if breathing problems develop.

SKIN CONTACT: In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

EYE CONTACT: In case of eye contact, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention.

INGESTION: If swallowed, do not induce vomiting. Do not give anything by mouth to an unconscious person. Seek immediate medical attention.

5- FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA

Use fire-extinguishing methods suitable to surrounding conditions.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL

No further relevant information available.

SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE FIGHTERS

Wear Safe Work Australia approved self-contained breathing apparatus and full protective clothing.

6- ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY

PROCEDURES: Wear Safe Work Australia full protective clothing. Evacuate all non-essential personnel from affected area. Do not breathe vapours/dusts. Ensure adequate ventilation.

ENVIRONMENTAL PRECAUTIONS: In the event of a major spill, prevent spillage from entering drains or watercourses.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:

Collect the pieces and place into a suitable container for disposal. Avoid generating dusts. Provide adequate ventilation.

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7- HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Use of safe work practices are recommended to avoid eye or skin contact and inhalation of dusts. Use only outdoors or in a well-ventilated area.

Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

CONDITIONS FOR SAFE STORAGE: Store in a cool, dry and well-ventilated area. Avoid accumulation of dust.

8- EXPOSURE CONTROLS AND PERSONAL PROTECTION

EXPOSURE STANDARDS (SAFE WORK AUSTRALIA): 471-34-1 calcium carbonate NES 10 mg/m³

ENGINEERING CONTROLS: Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapour below occupational exposure standards.

PERSONAL PROTECTIVE EQUIPMENT (PPE): Wear Safe Work Australia full protective clothing.

RESPIRATORY PROTECTION: Use dust mask when cutting product. See Australian Standards AS/NZS 1715 and 1716 for more information.

SKIN PROTECTION: Impermeable gloves and protective clothing. See Australian Standards AS/NZS 2161, 2210.1 and 2210.2 for more information.

EYE AND FACE PROTECTION: Safety glasses with top and side shields or goggles. See Australian Standards AS/NZS 1336 and 1337 for more information.

9- PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Form: Solid - hollow-type rib reinforced plastic material comprising of two PVC panel facings adhered onto a concrete block with three internal reinforcing PVC ribs.

Colour: Off white

Odour: None

MELTING POINT/MELTING RANGE: No information available

FLAMMABILITY: Non-flammable

RELATIVE DENSITY AT 20 °C: 1300 kg/m³

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10- STABILITY AND REACTIVITY

POSSIBILITY OF HAZARDOUS REACTIONS:

Hazardous polymerisation will not occur.

CHEMICAL STABILITY: Stable at ambient temperature and under normal conditions of use.

CONDITIONS TO AVOID: No further relevant information available.

INCOMPATIBLE MATERIALS: No further relevant information available.

HAZARDOUS DECOMPOSITION PRODUCTS: No dangerous decomposition products known.

11- TOXICOLOGICAL INFORMATION

TOXICITY: LD50/LC50 VALUES RELEVANT FOR CLASSIFICATION

471-34-1 calcium carbonate

Oral LD50 6450 mg/kg (rat)

8013-07-8 Soybean oil, epoxidized Oral LD50

21000-40000 mg/kg (rat)

Dermal LD50 >2000 mg/kg (rabbit)

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ACUTE HEALTH EFFECTS: Skin Corrosion / Irritation: No information available

SERIOUS EYE DAMAGE / IRRITATION: No information available

RESPIRATORY OR SKIN SENSITISATION: Sensitization possible through skin contact.

GERM CELL MUTAGENICITY: No information available

CARCINOGENICITY: Polyvinyl chloride is classified by IARC as a Group 3 - Not classifiable as to its carcinogenicity to humans.

SPECIFIC TARGET ORGAN TOXICITY (STOT) - SINGLE EXPOSURE: No information available

SPECIFIC TARGET ORGAN TOXICITY (STOT) - REPEATED EXPOSURE: No information available

CHRONIC HEALTH EFFECTS: No information available

EXISTING CONDITIONS AGGRAVATED BY EXPOSURE: No information available

12- ECOLOGICAL INFORMATION

ECOTOXICITY AQUATIC TOXICITY

8013-07-8 Soybean oil, epoxidized EC50 / 24 hours > 100 mg/l (daphnia)

Inhalation LC50 900 mg/m³ (flathead minnows)

PERSISTENCE AND DEGRADABILITY

No further relevant information available.

BIOACCUMULATIVE: Potential: No further relevant information available.

MOBILITY IN SOIL: No further relevant information available.

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13- DISPOSAL CONSIDERATIONS

DISPOSAL METHODS AND CONTAINERS:

Dispose according to applicable local and state government regulations.

SPECIAL PRECAUTIONS FOR LANDFILL OR

INCINERATION: Please consult your state Land Waste Management Authority for more information.

UN NUMBER: ADG, IMDG, IATA: Not applicable

PROPER SHIPPING NAME: ADG, IMDG, IATA: Not applicable

DANGEROUS GOODS CLASS: ADG CLASS: Not applicable

PACKING GROUP: ADG, IMDG, IATA Not applicable

14- TRANSPORT INFORMATION

UN NUMBER: ADG, IMDG, IATA Not applicable

PROPER SHIPPING NAME: ADG, IMDG, IATA Not applicable

DANGEROUS GOODS CLASS: ADG Class: Not applicable

PACKING GROUP: ADG, IMDG, IATA Not applicable

15- REGULATORY INFORMATION

AUSTRALIAN INVENTORY OF CHEMICAL

SUBSTANCES: All ingredients are listed.

16- OTHER INFORMATION

CREATION DATE: 11 April 2013

PREPARED BY: MSDS.COM.AU Pty Ltd

www.msds.com.au

DISCLAIMER: This MSDS is prepared in accord with the Safe Work Australia document "Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - December 2011"

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