

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product name	Concrete Cleaner
Chemical Name	110844770
Synonyms	Not Applicable
Proper shipping name	Concrete Cleaner
Chemical formula	C10H12N2O8.4Na.4H2O
Other means of identification	CONTAINS EDTA, SODIUM METASILICATE, PENTAHYDRATE
CAS number	Not Applicable

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

Relevant identified uses	Heavy duty all purpose cleaner/degreaser. Suitable for walls, tiles, brick, stainless steel, glass, floors, hire mats, concrete, grease and oil on mechanical parts. Rinse food surfaces with potable water.
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Company Details

Registered company name	New Zealand Decorative Concrete Ltd T/A Permacolour
Address	42A Egmont Road, New Plymouth
Telephone	+64 6 755 3320 or 0508 444 555
Website	www.permacolour.co.nz
Email	info@permacolour.co.nz

Emergency telephone number

Association / Organisation	CHEMCALL (0800 CHEMCALL)
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SECTION 2: HAZARD IDENTIFICATION

Classification of the substance or mixture

This substance is hazardous according to the HSNO (Minimum Degrees of Hazard) Regulations 2001.

This substance is classified as a non Dangerous Good for transport.

GHS classification of the substance/ mixture

- 6.1D (Oral)** Substance that is acutely toxic
- 6.3A** Substance that is irritating to the skin
- 8.3A** Substance that is corrosive to ocular tissue
- 9.1B** Substance that is ecotoxic in the aquatic environment
- 9.3C** Substance that is harmful to terrestrial vertebrates

Pictograms:

GHS label elements



Signal word

Warning

Precautionary statement(s): Prevention

P102	Keep out of reach of young children
P103	Read directions before use
P264	Wash skin thoroughly after handling
P270	Do not consume food/drink or smoke/vape when using this product
P273	Avoid disposing product into the environment
P280	Wear PPE when in use

Precautionary statement(s): Response

P101	If medical advice is required, have product container or MSDS on hand
P310	Immediately call a POISON CENTRE or doctor
P330	Rinse mouth thoroughly
P391	Collect spillage
P302+P352 IF ON SKIN:	Wash thoroughly with soap and water
P332+P313 IF SKIN IRRITATION OCCURS:	Get medical advice
P362	Remove contaminated clothing and wash
P305+P351+P338 IF IN EYES:	Rinse cautiously for several minutes, seek attention if required

Precautionary statement(s): Storage

Store in a cool, dry, well ventilated area. Keep containers closed when not in use to prevent physical damage.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substances

See section below for composition of Mixtures

Mixtures

Name	CAS	proportion
Alcohols, C9-11, ethoxylated	68439-46-3	5-7%
Quaternary ammonium compounds, coco alkylbis (hydroxyethyl) methyl, ethoxylated, chlorides	61791-10-4	3.5%
1,2- Propanediol	57-55-6	2-3%
Water	-	65-85%

SECTION 4: FIRST AID MEASURES

NZ Poisons Centre 0800 POISON (0800 764 766) | NZ Emergency Services: 111

Description of first aid measures

Eye Contact

If this product comes in contact with the eyes:

- Immediately hold eyelids apart and flush the eye continuously with running water.
- 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.
- Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes.
- Transport to hospital or doctor without delay.
- Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

Skin Contact

If skin or hair contact occurs:

- Immediately flush body and clothes with large amounts of water, using safety shower if available. Quickly remove all contaminated clothing, including footwear.
- Wash skin and hair with running water. Continue flushing with water until advised to stop by the Poisons Information Centre.
- Transport to hospital, or doctor.

Inhalation

- If fumes or combustion products are inhaled remove from contaminated area. Lay patient down. Keep warm and rested.
- Prostheses such as false teeth, which may block airway, should be removed, where possible, prior to initiating first aid procedures.
- Apply artificial respiration if not breathing, preferably with a demand valve resuscitator, bag-valve mask device, or pocket mask as trained. Perform CPR if necessary.

Ingestion

- Transport to hospital, or doctor, without delay.
- For advice, contact a Poisons Information Centre or a doctor at once.
- Urgent hospital treatment is likely to be needed.
- **If swallowed do NOT induce vomiting.**
- If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration.
- Observe the patient carefully.
- Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious.
- Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically. For acute or short term repeated exposures to highly alkaline materials:

- Respiratory stress is uncommon but present occasionally because of soft tissue edema.
- Unless endotracheal intubation can be accomplished under direct vision, cricothyroidotomy or tracheotomy may be necessary.
- Oxygen is given as indicated.
- The presence of shock suggests perforation and mandates an intravenous line and fluid administration.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media

Dry chemical powder, foam, fog sprays and water jets.

Fire/Explosion Hazard

- The material is not readily combustible under normal conditions.
 - However, it will breakdown under fire conditions and the organic component may burn.
 - Not considered to be a significant fire risk
 - Heat may cause expansion or decomposition with violent rupture of containers.
- Decomposes on heating and produces toxic fumes of carbon dioxide (CO₂), other pyrolysis products typical of burning organic material.
- May emit corrosive fumes. May emit poisonous fumes.

Hazard Type

Non-flammable

PPE

Safety boots, fire retardant overalls, gloves, hat and eye protection

SECTION 6: ACCIDENTAL RELEASE MEASURES

Minor Spills

- Wear protective gear to prevent exposure
- Contain using sand

Major Spills

- Prevent spillage from entering drains, sewers or water courses. Use absorbent soil or sand material. Collect and seal in labelled container, recycle containers wherever possible. If contamination of crops, sewers or waterways occur advise local emergency services.
- This material may be suitable for landfill, dispose of only in accordance with all regulations.

SECTION 7: HANDLING AND STORAGE

Procedure for 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
- DO NOT allow clothing wet with material to stay in contact with skin.

Suitable Container

- Lined metal can/pail
- Plastic pail
- Polyliner drum
- Packing as recommended by manufacturer
- Drums and jerricans must be of the non-removable head type.
- Where a can is to be used as an inner package, the can must have a screwed enclosure.

Storage Requirements

- Store in original containers
- Keep containers securely sealed.
- Store in a cool dry well ventilated area.
- Store away from incompatible materials and foodstuff containers.
- DO NOT store near acids or oxidising agents.
- No smoking, naked lights, heat or ignition sources.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limit values

Substance	Regulations	Exposure Duration	Exposure Limit	Units
1,2– Propanediol	NZ OELs List	TWA	150	ppm
1,2– Propanediol	NZ OELs List	TWA	474	Mg/m3
1,2– Propanediol	NZ OELs List	TWA	10	Mg/m3

Biological Limit Values

- No biological limits allocated.

Eye

- Protect eyes with goggles, safety glasses or full-face mask. Avoid contact lenses.

Skin

- Avoid prolonged skin contact, wear overalls, rubber gloves and impervious gloves when using.
- Remove protective clothing and wash exposed areas with soap and water prior to eating or drinking.

Respiratory

- Use a P3 level respirator that complies with AS/NZS 1715 when using in enclosed spaces or areas at risk of vapour/mist generation during use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PROPERTIES	DESCRIPTION	PROPERTIES	DESCRIPTION
Form	Liquid	Appearance	Clear green liquid
Colour	Light green	Odour	None
Decomposition Temperature	Not available	Melting Point	<-10°C
Boiling Point	>100°C approx.	Solubility in Water	Soluble
Solubility in Organic Solvents	Not available	Specific Gravity	1.01 (20°C)
pH	5-8 (1% solution)	Vapour Pressure	Not available
Vapour Density (Air=1)	Not available	Evaporation Rate	Not available
Odour Threshold	Not available	Viscosity	Not available
Volatile Component	Not available	Partition Coefficient: noctanol/ water	Not available
Density	Not available	Flash Point	Not available
Flammability	Not flammable	Auto-Ignition Temperature	Not available
Flammable Limits– Lower	Not available	Flammable Limits– Upper	Not available
Explosion Properties	Product is not explosive	Oxidising Properties	Not oxidising
Kinematic Viscosity	Not available	Dynamic Viscosity	Not available

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability	Stable under normal storage conditions.
Conditions to Avoid	Containers should be kept closed to avoid contamination, keep away from extreme heat conditions and open flames. Store in a safe space.
Incompatibility	Strong oxidizing agents. Contact with metals such as aluminium, tin, zinc etc can cause formation of flammable hydrogen gas.
Hazardous Decomposition Products	Oxides of carbon, nitrogen and sulphur

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Health Effects	<ul style="list-style-type: none"> When applied to the eye(s) of animals, the material produces severe ocular lesions which are present 24 hours or more after instillation.
Chronic Health Effects	<ul style="list-style-type: none"> Repeated or prolonged exposure to corrosives may result in the erosion of teeth, inflammatory and ulcerative changes in the mouth and necrosis (rarely) of the jaw. Bronchial irritation, with cough and frequent attacks of bronchial pneumonia may ensue.
Toxicity and Irritation	<ul style="list-style-type: none"> Not available. Refer to individual constituents.

SECTION 12: ECOLOGICAL INFORMATION

This material and its container must be disposed of as hazardous waste. No specific data is available for this product.

Aquatic	No data
Bioaccumulation	No data
Degradability	No data
Soil	No data
Terrestrial vertebrate	No data
Terrestrial invertebrate	No data

SECTION 13: DISPOSAL CONSIDERATIONS

- Recycle where possible
Otherwise ensure that:
- licensed contractors dispose of the product and its container.
- disposal occurs at a licensed facility.

SECTION 14: TRANSPORT INFORMATION

This product is not classified as hazardous for transport according to the following:

ADG– Australian Code for Transport of Dangerous Goods

IMDG– International Maritime Dangerous Goods Code

IATA– International Air Transport Association

This substance is not a marine pollutant

SECTION 15: REGULATORY INFORMATION

HSNO Controls:

Trigger quantities for this substance:

	Trigger Quantity
Certified Handler	Not required
Location Certificate	Not required
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	Not required
Emergency Response Plan Trigger Quantities	Not required

SECTION 16: OTHER INFORMATION

New Zealand Decorative Concrete Ltd has compiled the information and recommendations contained in this Safety Data Sheet from sources believed to be reliable and to represent the most reasonable current opinion on the subject at the date quoted in section sixteen of the Safety Data Sheet. No warranty, guarantee or representation is made as to the correctness or sufficiency of the information. The user of this product must decide what safety measures are necessary to safely use this product, either alone or in combination with other products, and determine the environmental regulatory compliance obligations under any applicable New Zealand laws. In providing this disclaimer New Zealand Decorative Concrete Ltd removes itself from any responsibility/liability of damages/harm caused by the information or lack thereof in this Safety Data Sheet document.