

IDENTIFICATION

PRODUCT NAME: PACER RESTORE

OTHER NAMES: NONE

UN NUMBER: NONE
D.G. CLASS: NONE
SUBSIDIARY RISK: NONE
HAZCHEM CODE: NONE
PACKAGING GROUP: NONE
POISONS SCHEDULE: NONE

HAZARDOUS ACCORDING TO THE CRITERIA OF WORKSAFE AUSTRALIA.

RECOMMENDED USE: Activated oxygen soaker.

PRODUCT DESCRIPTION / PROPERTIES

APPEARANCE: Free-flowing white powder, practically odourless
BOILING POINT / MELTING POINT: No information available
VAPOUR PRESSURE: Practically none
PERCENT VOLATILES: Not relevant.
SPECIFIC GRAVITY / BULK DENSITY: No information available
FLASH POINT: Not relevant.
FLAMMABILITY LIMITS: Not relevant.
AUTOIGNITION TEMPERATURE: Not relevant.
pH (1% SOLUTION): 11.0 to 11.4
BEST BEFORE: 2 years from manufacturing date (when stored as directed)

INGREDIENTS:	CAS No.	Range (w/w)
SODIUM CARBONATE	497-19-8	10 - <30%
SODIUM METASILICATE	6834-92-0	10 - <30%
Other ingredients not considered hazardous by Worksafe Australia.	to	100%

HEALTH HAZARD INFORMATION

HEALTH EFFECTS

SWALLOWED: Can be severely irritating if swallowed.
EYE: Can severely irritate the eyes. May cause severe damage.
SKIN: The product can cause irritation and defat the skin with continual use.
INHALED: Capable of causing irritation if dusty.

FIRST AID

SWALLOWED: For advice, contact a Poisons Information Centre (Phone Australia 131126; New Zealand 03 4747 000) or a doctor.
 If swallowed, do NOT induce vomiting.
EYE: If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes.
SKIN: If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor.
INHALED: Remove from source of exposure to fresh air. Seek medical assistance if effects persist.
ADVICE TO DOCTOR: Treat symptomatically.

Emergency Telephone Number **1-800-628-724**

Campbell Cleantec (ABN 92 009 657 489), 32 Perivale Street, DARRA Q 4076



MATERIAL SAFETY DATA SHEET

PRECAUTIONS FOR USE

EXPOSURE LIMITS:	No value assigned for this specific material by the National Occupational Health and Safety Commission (Worksafe Australia). However may be considered as 'Nuisance Particulate'. T.W.A. for Nuisance Particulate = 10mg/m ³ (measured as respirable dust)
VENTILATION:	Ensure ventilation is adequate. Use with local exhaust ventilation or while wearing a respirator. Keep containers closed when not in use.
PERSONAL PROTECTION:	Protective equipment must be worn: PVC gloves, waterproof apron, safety boots and a safety glasses/goggles and/or full-face shield. Avoid breathing vapours or dust. If ventilation is not adequate or dust levels are high (> 10mg/m ³) then respiratory protection may be required. Any dust mask or a respirator with a dust filter meeting the requirements of AS1715 and AS1716. Observe good standards of hygiene and cleanliness. Trousers, long sleeved shirt and closed in footwear should be worn as a general precaution.
FLAMMABILITY:	The product poses no flammability hazard.

SAFE HANDLING INFORMATION

STORAGE AND TRANSPORT:	Store in the original container, in a cool dry well-ventilated area out of sunlight and away from other chemicals. Store away from foodstuffs. Keep containers closed at all times - check regularly for leaks. Transport and store upright. No special transport precautions are needed. Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by road and rail.
SPILLS AND DISPOSAL:	Ensure adequate ventilation. Wear appropriate protective equipment. Contain the spillage – do not flush to drain. Carefully scoop up, or shovel up uncontaminated product for re-use. Carefully sweep up contaminated material and dispose of in an area approved by local authority by-laws. Incineration of disposed material is not recommended, as it is unlikely to adequately burn.
FIRE / EXPLOSION HAZARD:	The product is non-combustible; however, the packaging material may burn to emit noxious fumes. Fire fighters should wear self-contained breathing apparatus to minimise risk of exposure to vapour or products of combustion. Extinguish fires with water spray, foam, carbon dioxide or dry chemical powder. The product is completely soluble in water. It is mildly alkaline. Use good industrial hygiene.
OTHER INFORMATION:	TOXICITY DATA FOR SODIUM CARBONATE: Oral LD ₅₀ (rat) 4090 mg/kg Rabbit skin showed moderate irritation 24 hours after application of 500mg. TOXICITY DATA FOR SODIUM METASILICATE: Oral LD ₅₀ (rat) 1150-1350 mg/kg Skin (human) 250 mg/ 24 Hr / Severe Oral (dog) LDLo 250 mg/kg ECOTOXICITY DATA FOR SODIUM METASILICATE: Fish-96h-LC ₅₀ (Gambusia affinis) 2320 mg/ (pH 8.9-10.1) daphnia-100h-EC50 247 mg/l (pH 9.1) bacteria-30 min. ECO (Pseudomonas putida) > 1000mg/l Degradation Abiotic- In an aqueous solution of pH < 9.4 the silicate is mineralised and precipitated. The maximum concentration of soluble silicates at this pH is 120 mg/l. pH > 8.5 is destroying for algae. 96h-LC ₅₀ (Lepomis macrochirus) pH = 10.5

KEEP OUT OF REACH OF CHILDREN

The information contained in this MSDS is specific to the product when handled and used neat. This product when diluted may be classified as non-hazardous and may not require the same control measures as the neat product. Check with your technical representative if in doubt.

CONTACT POINTS:	Customer Service	1800 077 240
	Emergency Contact	1800 628 724

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THIS ISSUE NUMBER REPLACES ALL PREVIOUS ISSUES.

*This MSDS has been prepared from current technical data and summarises at the date of issue our best knowledge of the health and safety information of the product, and in particular how to safely handle and use the product in the workplace.
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 products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request.*

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