

Safety Data Sheet
According to Regulation (EC) No 1907/2006

DESCALER TABLET

Version 1.0

Issue date: 28/03/2017

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SDS Record Number: EFHZ17031172-CG

Section 1 Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier:

Identification on the label/Trade name: DESCALER TABLET
Item No.: 80000
P.O./Order No.: 5024466
Additional identification: Not available
Identification of the product: See section 3
Index Number: Not available
REACH registration No.: Not available

1.2 Relevant identified uses of the substance and uses advised against:

1.2.1 Identified uses:

Clean the scale.

1.2.2 Uses advised against:

Not available.

1.3 Details of the supplier of the safety data sheet:

Supplier (only representative): R. WEATHERDON & CO PTY LTD
Address: LEVEL 1, 40 CHANDOS STREET, ST LEONARDS NEW SOUTH WALES 2065
PO Box: PO BOX 101, CROWS NEST NEW SOUTH WALES 1585
Telephone: +61 2 9906 2202
Website: www.weatherdon.com.au

1.4 Emergency telephone Number:

Only available during office hours (8:30a.m.-17:30p.m. Sydney Time Zone)

Available outside office hours? YES NO

Section 2 Hazards Identification

2.1 Classification of the substance/mixture:

2.1.1 Classification:

The mixture is classified as following according to REGULATION (EC) No 1272/2008:

REGULATION (EC) No 1272/2008	
Hazard classes/Hazard categories	Hazard statement

Ox. Sol. 2	H272
Skin Corr. 1B	H314
Eye Dam. 1	H318
STOT SE 3	H335

For full text of H- phrases: see section 2.2.

2.2 label elements:

Hazard Pictograms:



Signal Word(S):

Danger

Hazard Statement:

H272: May intensify fire; oxidizer

H314: Causes severe skin burns and eye damage

H318: Causes serious eye damage

H335: May cause respiratory irritation

Precautionary statement:

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

P220: Keep/Store away from clothing combustible materials.

P221: Take any precaution to avoid mixing with combustibles.

P260: Do not breathe dust/fume/ gas/mist/vapours/spray.

P264: Wash hands thoroughly after handling.

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

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

P301 + P330 + P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

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

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

P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310: Immediately call a POISON CENTER/doctor.

P363: Wash contaminated clothing before reuse.

P370 + P378: In case of fire: Use extinguishing agents appropriate for surrounding fire to extinguish.

P403 + P233: Store in a well-ventilated place. Keep container tightly closed.

P405: Store locked up.

P501: Dispose of contents/container in accordance with local regulation.

2.3 Other hazards:

Not available.

Section 3 Composition/information on ingredients

Substance/Mixture:

Mixture

Ingredient(s):

Chemical Name	Registration No.	CAS No.	EC No.	Concentration	Classification
Citric Acid	N/A	77-92-9	201-069-1	30%	Not Classified
Ethylenediaminetetraacetic acid	N/A	60-00-4	200-449-4	15%	H319
Sodium lauryl sulfate	N/A	151-21-3	205-788-1	10%	H228 H302 H315 H318 H332 H335 H412
Sodium percarbonate	N/A	15630-89-4	239-707-6	10%	H272 H302 H318
Sodium bicarbonate	N/A	144-55-8	205-633-8	10%	Not Classified
Sodium silicate	N/A	6834-92-0	229-912-9	10%	Not Classified
Sodium citrate	N/A	6132-04-3	N/A	8%	H314 H335
Sodium polyacrylate	N/A	9003-04-7	N/A	7%	Not Classified

Section 4 First aid measures

4.1 Description of first aid measures:

In all cases of doubt, or when symptoms persist, seek medical attention.

4.1.1 In case of inhalation:

In case of unconsciousness place patient stably in side position for transportation. Supply fresh air and to be sure call for a doctor.

4.1.2 In case of skin contact:

Immediately wash with water and soap and rinse thoroughly. Seek medical treatment.

4.1.3 In case of eyes contact:

Rinse opened eye for several minutes under running water. Then consult a doctor.

4.1.4 In case of ingestion:

Drink plenty of water and provide fresh air. Call for a doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed:

Causes severe skin burns and eye damage. Causes serious eye damage. May cause respiratory irritation.

4.3 Indication of any immediate medical attention and special treatment needed:

Symptomatic treatment.

Section 5 Fire-Fighting measures

5.1 Extinguishing media:

Suitable extinguishing media: Use extinguishing agents appropriate for surrounding fire.

Unsuitable extinguishing media: Not available.

5.2 Special hazards arising from the substance or mixture

Not available.

5.3 Advice for firefighters:

Wear self contained breathing apparatus for fire fighting if necessary.

Section 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

6.1.1 For non-emergency personnel:

Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation. Avoid formation of dust. Keep away from ignition sources. Use respiratory protective device against the effects of fumes/dust/aerosol. Avoid contact with eyes. Avoid contact with skin.

6.1.2 For emergency responders:

Avoid skin and eye contact. Refer to section 8 of SDS for personal protection details.

6.2 Environmental Precautions:

Do not allow to enter sewers/ surface or ground water.

6.3 Methods for Containment and Cleaning up:

Use neutralizing agent.

6.4 Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

Section 7 Handling and storage

7.1 Precautions for safe handling:

7.1.1 Protective measures:

Thorough dedusting. Keep receptacles tightly sealed. Keep away from heat and direct sunlight. Ensure good ventilation/exhaustion at the workplace. Open and handle receptacle with care. Prevent formation of dust. Avoid contact with eyes. Avoid contact with skin. Protect from heat.

7.1.2 Advice on general occupational hygiene:

Do not eat, drink and smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas.

7.2 Conditions for safe storage, including any incompatibilities:

Store in a cool location. Store only in the original receptacle. Store away from foodstuffs. Store away from flammable substances. Store away from reducing agents. Do not store together with acids. Store away from water. Store in cool, dry conditions in well sealed receptacles. Protect from heat and direct sunlight.

7.3 Specific end use(s):

Not available.

Section 8 Exposure Controls/Personal Protection

8.1 Control parameters:

8.1.1 Occupational exposure limits:

Not available.

8.1.2 Additional exposure limits under the conditions of use:

Not available.

8.1.3 DNEL/DMEL and PNEC-Values:

Not available.

8.2 Exposure controls:

8.2.1 Appropriate engineering controls:

Use adequate ventilation to keep airborne concentrations low.

8.2.2 Individual protection measures, such as personal protective equipment:

Eye/face protection:

Tightly sealed goggles.

Hand protection: Protective gloves.
Body protection: Wear suitable protective clothing to prevent skin exposure.
Respiratory protection: In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
Thermal hazards: Wear suitable protective clothing to prevent heat.

8.2.3 Environmental exposure controls: Avoid discharge into the environment. Dispose of rinse water in accordance with local and national regulations

Section 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Appearance: Solid, Tablets
Colour: White
Odour: Odorless
Odour threshold: Not available
pH: Not available
Melting point/range (°C): ca. 153 °C(CAS#77-92-9)
Boiling point/range (°C): Not available
Flash point (°C): Not available
Evaporation rate: Not available
Flammability limit - lower (%): Not available
Flammability (solid, gas): Contact with combustible material may cause fire.
Ignition temperature (°C): Not available
Upper/lower flammability/explosive limits: Not available
Vapour pressure (25°C): 0 Pa(CAS#77-92-9)
Vapour density: Not available
Relative Density: 1.67(CAS#77-92-9)
Bulk density (kg/m³): Not available
Water solubility (g/l): 592 g/L(20 °C) (CAS#77-92-9)
n-Octanol/Water (log Po/w): -1.55(CAS#77-92-9)
Auto-ignition temperature: Product is not selfigniting.
Decomposition temperature: Not available
Viscosity, dynamic (mPa.s): Not available

9.2. Other information:

Fat solubility(solvent– oil to be specified) etc: Not available
Surface tension: Not available
Dissociation constant in water(pKa): pKa values of 3.13, 4.76 and 6.4(CAS#77-92-9)
Oxidation-reduction Potential: Not available
Explosive properties: Product does not present an explosion hazard.

Section 10 Stability and reactivity

10.1 Reactivity:	The substance is stable under normal storage and handling conditions.
10.2 Chemical stability:	Stable at room temperature in closed containers under normal storage and handling conditions.
10.3 Possibility of hazardous reactions:	No dangerous reactions known.
10.4 Conditions to avoid:	Incompatible materials.
10.5 Incompatible materials:	Strong reducing agents, strong acids, etc.
10.6 Hazardous decomposition products:	No dangerous decomposition products known.

Section 11 Toxicological information

11.1 Information on toxicological effects:

Acute toxicity:

Citric Acid(CAS#77-92-9)

LD50(Oral, mouse): 5400 mg/kg bw

LD50(Dermal, Rat): > 2000 mg/kg bw

LC50(Inhalation, Rat): Not available

Skin corrosion/Irritation: Causes severe skin burns and eye damage.

Serious eye damage/irritation: Causes serious eye damage.

Respiratory or skin sensitization: Not classified

Germ cell mutagenicity: Not classified

Carcinogenicity: Not classified

Reproductive toxicity: Not classified

STOT- single exposure: May cause respiratory irritation.

STOT-repeated exposure: Not classified

Aspiration hazard: Not classified

Section 12 Ecological information

12.1 Toxicity:

Citric Acid(CAS#77-92-9)

Acute toxicity		Time	Species	Method	Evaluation	Remarks
LC50	> 100 mg/L	96h	Fish	OECD 203	N/A	N/A
EC50	> 50 mg/L	48h	Daphnia	OECD 202	N/A	N/A
EC50	N/A	72h	Algae	OECD 201	N/A	N/A

12.2 Persistence and degradability: Not available.

12.3 Bioaccumulative potential: Not available.

12.4 Mobility in soil: Not available.

12.5 Results of PBT&vPvB assessment: Not available.

12.6 Other adverse effects: Not available.

Section 13 Disposal considerations

13.1 Waste treatment methods:

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

Section 14 Transport information			
	Land transport(ADR/RID)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN-Number	1479	1479	1479
UN Proper shipping name	OXIDIZING SOLID, N.O.S. (Sodium percarbonate)	OXIDIZING SOLID, N.O.S. (Sodium percarbonate)	OXIDIZING SOLID, N.O.S. (Sodium percarbonate)
Transport hazard Class	5.1	5.1	5.1
Packaging group	II	II	II
Environmental hazards	No	No	No
Special precautions for user	See section 2.2	See section 2.2	See section 2.2
Transport in bulk according to Annex II of Marpol and the IBC Code	IBC08	IBC08	IBC08

Section 15 Regulation information

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

Relevant information regarding authorization:

Not applicable.

Relevant information regarding restriction:

Not applicable.

Other EU regulations:

Employment restrictions concerning young person must be observed. For use only by technically qualified individuals.

Other National regulations:

Not applicable

15.2 Chemical Safety Assessment has been carried out?

YES

NO

Section 16 Other information

16.1 Indication of changes:

Version 1.0 Amended by (EU) 2015/830

16.2 Training instructions:

Not applicable.

16.3 Further information:

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

16.4 Notice to reader:

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.



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