



Material Safety Data Sheet

DESCALE

1. Identification of the material and supplier

PRODUCT NAME: DESCALE
OTHER NAMES:
RECOMMENDED USE: Scale removing compounds for dishwashing machines.

COMPANY: Cleveland Cleaning Supplies Pty Ltd
ABN: 61 001 175 748
ADDRESS: 23 Forrester Street
Kingsgrove NSW 2208
Australia

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EMERGENCY TELEPHONE: 000
POISONS INFORMATION CENTRE PHONE: 13 11 26
FOR EMERGENCY RESPONSE: 000

2. Hazards identification

DANGEROUS GOODS Classified as a HAZARDOUS SUBSTANCE.

RISK PHASES Xi IRRITANT
R36/38 Irritating to eyes and skin
R52/53 Harmful to aquatic organisms; may cause long term adverse effects in aquatic environment.

SAFETY PHASES S2 Keep out of reach of children
S22 Do not breathe dust
S24/25 Avoid contact with skin and eyes
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28 After contact with skin, wash immediately with plenty of water.
S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S61 Avoid release to the environment. Refer to special instructions/safety data sheets.

3. Composition/ information on ingredients

<u>NAME</u>	<u>CAS</u>	<u>PROPORTION</u>
SULPHAMIC ACID	5329-14-6	>90%

The ingredients below are **not** considered hazardous or dangerous goods according to the criteria of NOHSC / ASCC and ADG code (respectively) at the levels used in this product.

Other ingredients determined not to be hazardous <10%

4. First Aid measures

SWALLOWED Never give anything by mouth if victim is rapidly losing consciousness, or is unconscious or convulsing. If swallowed DO NOT induce vomiting. For advice contact a Poisons information Centre, Phone Australia 13 11 26 or a doctor.

EYE Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 15 minutes, by the clock, holding the eyelid(s) open. Take care not to rinse contaminated water into the non-affected eye. Seek immediate medical attention or call Poison's Information Centre, phone 13 11 26.



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SKIN	If skin or hair contact occurs, wash off immediately with soap and water. If symptoms develop seek medical advice. For advice contact a Poisons information Centre, Phone Australia 13 11 26 or a doctor.
INHALED	If symptoms are experienced, remove source of contamination or move victim to fresh air.
FIRST AID FACILITIES	Ensure eyewash facilities are available in workplace.
ADVICE TO DOCTOR	Treat Symptomatically.
Additional information / Aggravated medical conditions	No known effect

5. Fire fighting measures

Suitable extinguishing media	NON FLAMMABLE Large fire Use water spray and fog. If safe to do so, move undamaged containers from fire area – Do not approach hot containers. Cool containers with water before handling If impossible to extinguish fire, protect surroundings, withdraw from area and allow fire to burn.
Special protective precautions and equipment for fire fighters	If large amounts are involved wear SCBA and chemical splash suit.
HAZCHEM CODE	2Z

6. Accidental release measures

Restrict access to area until completion of clean up. Prevent material from entering sewers. Stop or reduce leak if safe to do so. Contain spill with earth, sand or inert absorbent material. Small spills of solution: soak up with absorbent material. Put material in suitable, covered, labelled containers. Flush area with water preventing runoff entering drains. Large spills: contact fire and emergency services for advice.
Disposal: review federal, state and local government requirements prior to disposal.

7. Handling and storage

STORAGE INCOMPATIBILITY	strong oxidizers, acids, chlorine, metal nitrates and sources of ignition. Protect from heat and direct sunlight.
STORAGE REQUIREMENTS	Store in a cool, dry, well-ventilated area. Keep containers tightly closed when not in use. Inspect regularly for deficiencies such as damage or leaks. Protect against physical damage. Store away from incompatible materials

8. Exposure controls / Personal protection

NATIONAL EXPOSURE STANDARDS	No exposure standard has been established for this product by the Australian National Occupational Health and Safety Commission (NOHSC / ASCC). However, the exposure standard for dust not otherwise specified is 10mg/m ³ (for inspirable dust) and 3mg/m ³ (for respirable dust).
ENGINEERING CONTROLS	Ensure sufficient ventilation to minimise airborne concentrations. Avoid formation of aerosols. Local exhaust ventilation is generally preferred Use only acid resistant equipment.
PERSONAL PROTECTION	
RESPIRATOR TYPE	Where engineering controls are inadequate, wear an AS1716 approved P1 or P2 particulate filter respirator. Ensure sufficient ventilation to minimise airborne concentrations. Avoid formation of aerosols
EYE PROTECTION	Safety glasses or chemical goggles. Failure to do so may result in eye damage if an accident occurs.
GLOVE TYPE	Impervious rubber gloves should be worn
CLOTHING	Light protective clothing should be worn
.	
Always wash hands before smoking, eating, drinking, or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.	



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9. Physical and chemical properties

APPEARANCE	colourless crystalline solid	
ODOUR	Odourless	
PH	1.2 (1% solution)	
VAPOUR PRESSURE	Not Determined	
VAPOUR DENSITY	Not Determined	
BOILING POINT	Not applicable	
BOILINGRANGE	Not applicable	
MELTING POINT	205°C	
SOLUBILITY IN WATER	Miscible	
SPECIFIC GRAVITY	2.120g/cm ³ (20°C) (Water = 1)	water = 1.000
FLASH POINT	Non Flammable	
FLAMMABILITY LIMITS	Not applicable	

10. Stability and reactivity

Stable under normal conditions of storage and use. Avoid excessive heat, dusty conditions and direct sunlight. Product may emit carbon dioxide, carbon monoxide, nitrous gases and sulphur oxides. Hazardous polymerization will not occur. Reacts violently or explosively with chlorine. May form unstable nitrogen trioxide with elementary chlorine.

11. Toxicological information

Health effects from acute exposure

SWALLOWED	Irritating. may cause abdominal pain, diarrhoea, nausea and possible burns.
EYE	Concentrated solutions can cause irritation unless washed out immediately, may cause possible burns.
SKIN	Concentrated solutions can cause irritation unless washed out immediately, may cause possible burns.
INHALED	Inhalation of concentrated material may cause irritation. Sprayed product particles may be irritating to the nose, throat and upper respiratory tract. Inhalation will cause severe irritation to the respiratory system. Inhalation may cause burns to the mucous membranes and upper respiratory tract. Inhalation of large amounts may cause pulmonary edema, which may be delayed up to 48 hours.
Health effects from chronic exposure	No known effects.

12. Ecological information

No data available for this specific product.

13. Disposal considerations

Review federal, state and local government requirements prior to disposal.

14. Transport information

UN CLASS	2967
PROPER SHIPPING NAME	SULPHAMIC ACID
DG CLASS	8
SUBSIDIARY RISK	None allocated
PACKAGING GROUP	III
RECOMMENDED USE	Scale removing compounds for dishwashing machines

15 Regulatory information

POISONS SCHEDULE 6

16. Other information

Produced by: Cleveland Cleaning Supplies Pty Ltd, ABN: 61 001 175 748

Revised : January 2012

Issue: D

DATE OF PREPARATION: 01 January, 2012



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END OF REPORT
