



Date of Issue: 18 November 2016

Descaler

1. IDENTIFICATION OF MATERIAL AND SUPPLIER

Product Name	Descaler
Code	50606
Product Use	Powdered acid descaler
Company Name	Dominant (Australia) Pty Ltd
Address	12 Coglin Street, Brompton SA 5007, Australia
Telephone	1300 789 852 or +61 (8) 8245 6900
Facsimile	+ 61 (8) 8340 1626
Emergency Phone	13 11 26

2. HAZARDS IDENTIFICATION

GHS Classification	Eye Irritation 2 Skin irritation 2
Signal Word	WARNING
Hazard Statements	Causes serious eye irritation Causes skin irritation
Precautionary Statements	Keep out of reach of children Wash skin thoroughly after handling Wear eye protection/face protection IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse

Pictograms



3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Name	CAS	Proportion
	Citric acid	77-92-9	>60%
	Sulphamic acid	5329-14-6	10 – 30%

Date of Issue: 18 November 2016

Product name: Descaler**4. FIRST AID MEASURES**

Ingestion	If swallowed do NOT induce vomiting. Immediately wash out mouth with water. Seek medical attention if symptoms persist.
Eye	If in eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Skin	If skin contact occurs, wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.
Inhaled	Not normally a problem due to method of use. However if breathing is affected move to fresh air. If problem persists seek medical attention.
First Aid Facilities	An eye wash and general washing facility should be available to the work area.
Advice to Doctor	Treat symptomatically. For advice contact a Poisons Information Centre. (Phone Australia 13 11 26; New Zealand 0800 764 766)

5. FIRE FIGHTING MEASURES

Extinguishing Media	Use appropriate extinguishing media to suit surrounding area. Do not use a direct water stream.
Hazards from Combustion	Material does not burn. If involved in fire hazardous decomposition products include toxic gases and vapours.
Precautions for Fire Fighters	Wear chemical splash suit and SCBA. Keep containers cool by spraying with water. Contact with metals may evolve flammable hydrogen gas.
Hazchem	Non assigned for product

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures	Keep unauthorised people away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
Clean Up	For minor spills sweep up and rinse with water.

Date of Issue: 18 November 2016

Product name: Descaler**7. HANDLING AND STORAGE**

Handling	Wear appropriate protective clothing to prevent skin and eye contact. Use in well ventilated area. Keep containers closed when not in use. Maintain a high standard of personal hygiene. Wash hands immediately after using product.
Storage	Store in a cool, dry, well ventilated place out of direct sunlight. Store in closed containers. Store away from incompatible materials such as caustic compounds, chlorine bleaches, aluminium or zinc.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Standards	No exposure standards are listed for the product
Engineering Controls	Ensure ventilation when using
Personal Protective Equipment	Wear gloves when handling. Wear gloves and goggles if decanting or cleaning up spillage of neat product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Colourless to white crystals with negligible odour
Solubility in Water	Soluble
pH	2.1
Flash Point	Not applicable
Melting Point	Blend
Boiling Point	Not available
Specific Gravity	1.66

10. STABILITY AND REACTIVITY

Stability	Stable product
Hazardous Polymerisation	Will not occur
Conditions to Avoid	Do not mix with caustic compounds or chlorine bleaches.
Incompatible Materials	Reacts with caustic compounds and evolves toxic chlorine gas if mixed with chlorine bleach. Attacks aluminium, tin, zinc and concrete.

Date of Issue: 18 November 2016

Product name: Descaler**11. TOXICOLOGICAL INFORMATION**

Ingestion	Irritating to gastrointestinal tract
Eye	Irritating to eyes. Will cause severe irritation if not rinsed promptly
Skin	Contact with skin can result in irritation.
Inhalation	Airborne dust can cause irritation to the mucous membranes and the upper respiratory tract.
Chronic Effects	Prolonged or repeated exposure to this product will result in skin irritation and possibly result in dermatitis.
Toxicological Data	None available for product. For citric acid. Oral LD50: 6730mg/kg (rat) Skin 500mg/24H: Moderate (rabbit) Eye 750 µg/24H: Severe (rabbit) (Reference: Dangerous Properties of Industrial Materials 7 th Edition)

12. ECOLOGICAL INFORMATION

Ecotoxicity	Ecotoxicity value :For citric acid Goldfish LCo:625mg/L Inherent biodegradability 98% after 7 days. Avoid contaminating waterways.
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13. DISPOSAL CONSIDERATIONS

Refer to Waste Management Authority. Dispose of material through licensed waste contractor. Assure conformity with all applicable regulations.

14. TRANSPORT INFORMATION

UN No.	None allocated
Proper Shipping Name	None allocated
Hazchem Code	None allocated
Class	None allocated
Packing Group	None allocated

Date of Issue: 18 November 2016

Product name: Descaler

15. REGULATORY INFORMATION

Classification Poisons Schedule: Schedule 5 according to the Poisons Standard March 2016

Hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS)

16. OTHER INFORMATION

Contact Point Dominant Australia. Phone 08 8245 6900
24 hour medical emergency 13 11 26

Date of preparation 28th July 2016