




SAFETY DATA SHEET “MAGIC ALL PURPOSE DESCALER”

SECTION 1 – PRODUCT IDENTIFICATION			
Product Name:	Magic All Purpose Descaler		
Distributor:	Rubbedin Pty Ltd		
Address:	Unit 1/43 Neumann Road Capalaba QLD 4157		
Regular Phone No:	(07) 3245 3255	FAX:	(07) 3245 2554
Emergency Phone No:	0405358685	Email:	info@rubbedin.com.au
Substance:	Water based liquid	Product Use:	Acidic cleaning product for descaling appliances.
Product Code:	17-250		

SECTION 2 – HAZARDS IDENTIFICATION	
Classification of the substance or mixture	
Poisons Schedule	Not scheduled
Dangerous Goods	Not classified as Dangerous Goods
GHS Classification	<ul style="list-style-type: none"> • Eye Irritation Category 2A • Skin Irritation Category 2
Label elements	
GHS label pictograms	 GHS 07
Signal word	WARNING
Hazard statement(s)	
H319	Causes serious eye irritation.
H315	Causes skin irritation.
Precautionary statement(s): General	
P102	Keep out of reach of children.
P103	Read label before use.
Precautionary statement(s): Prevention	
P264	Wash skin thoroughly after handling.
P280	Wear eye protection/face protection and protective gloves.
Precautionary statement(s): Response	
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P332 + P313	If skin irritation occurs: Get medical advice/attention.
P321	Specific treatment (see First Aid Measures on Safety Data Sheet).
P362	Take off contaminated clothing and wash before reuse.
Precautionary statement(s): Storage	
	None allocated.
Precautionary statement(s): Disposal	
	None allocated.
Note	
IMPORTANT	This SDS and the Hazard Classifications contained therein, only apply to the product in its concentrated form, as supplied. When diluted to 1:4 or greater with water, they no longer apply. However, good hygiene and housekeeping practices should be adhered to.



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SECTION 3 – INGREDIENTS

Ingredients:	CAS Number:	Proportion:
Oxirane , methyl polymer with oxirane, monodecyl ether	68439-51-0	< 1.0 % w/w
Citric acid	77-92-9	30 - 60 % w/w
Ingredients determined to be non-hazardous at the concentrations used	Various	To 100%

NOTE: Ingredients determined not to be hazardous are present in concentrations that do not exceed the relevant cut-off concentrations as found from NOHSC publication "List of Designated Hazardous Substances" or have been found NOT to meet the criteria of a hazardous substance as defined in the NOHSC publication "Approved Criteria for Classifying Hazardous Substances", or have been found NOT to meet the criteria of a dangerous substance as defined in the GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION AND LABELLING OF CHEMICALS (GHS) , 4th edition United Nations 2011. Listed ingredients may be below the cut-off concentrations for classification as hazardous, but are listed for information purposes and for additive effects.

SECTION 4 - EMERGENCY AND FIRST AID PROCEDURES

Scheduled Poisons	Poisons Information Centre in each Australian State capital city or in Christchurch, New Zealand can provide additional assistance for scheduled poisons. (Phone Australia 131126 or New Zealand 0800 764 766).
First Aid Facilities	Normal washroom facilities.
Skin contact	Wash skin with plenty of water. Remove contaminated clothing and wash before re-use. Seek medical advice (e.g. doctor) if irritation, burning or redness develops.
Eye contact	Immediately irrigate with water for at least 20 minutes. Eyelids to be held open. Seek medical advice (e.g. ophthalmologist) if any irritation persists.
Ingestion	Do NOT induce vomiting. Rinse mouth thoroughly with water immediately. Give water to drink. If vomiting occurs, give further water to achieve effective dilution. Seek medical advice (e.g. doctor).
Inhalation	Remove victim to fresh air away from exposure - avoid becoming a casualty. Seek medical advice (e.g. doctor) if symptoms persist.
Advice to Doctor	Treat symptomatically. All treatments should be based on observed signs and symptoms of distress of the patient. Poisons Information Centre in each Australian State capital city or in Christchurch, New Zealand can provide additional assistance for scheduled poisons.
Aggravated Medical Conditions	None known.

SECTION 5 – FIRE FIGHTING MEASURES

Fire and Explosion Hazards	Not combustible. However, if involved in a fire will emit toxic fumes.
Extinguishing Media	Use an extinguishing media suitable for surrounding fires.
Fire Fighting	Keep containers exposed to extreme heat cool with water spray. Fire fighters to wear self-contained breathing apparatus if risk of exposure to products of combustion or decomposition. Evacuate area - move upwind of fire.
Flash Point	None – does not support combustion.




SECTION 6 – ACCIDENTAL RELEASE MEASURES

Emergency Procedures	No HAZCHEM code.
Occupational Release	<p>Minor spills do not normally need any special clean-up measures. Rinse well.</p> <p>In the event of a major spill, prevent spillage from entering drains or water courses. Wear appropriate personal protective equipment and clothing to prevent exposure. Increase ventilation. As a water based product, if spilt on electrical equipment the product will cause short-circuits. If possible contain the spill. Place inert absorbent material onto spillage. Collect the material and place into a suitable labelled container. Dispose of waste according to the applicable local and national regulations.</p> <p>If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations.</p>



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SECTION 7 – HANDLING AND STORAGE	
Handling	Avoid contact with incompatible materials. When handling, DO NOT eat, drink or smoke. Keep containers closed at all times. Avoid physical damage to containers. Always wash hands with water after handling.
Storage	Store in a cool, dry, place with good ventilation. Avoid storing in aluminum and light alloy containers. Store away from incompatible materials (Section 10). Keep containers closed at all times – check regularly for leaks.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION	
Exposure Limits	National Occupational Exposure Limits, as published by Safe Work Australia: Time-weighted Average (TWA): None established for specific product. Short Term Exposure Limit (STEL): None established for specific product. Exposure Limits of individual ingredients: None allocated.
Engineering Controls	Use only in a well-ventilated area.
Personal Protective Equipment	Use good occupational work practice. The use of protective clothing and equipment depends upon the degree and nature of exposure. Final choice of appropriate protection will vary according to individual circumstances i.e. methods of handling or engineering controls and according to risk assessments undertaken. The following protective equipment should be available;
Eye Protection 	Generally, not required to handle as per label directions. The use of safety glasses with side shield protection, goggles or face shield is recommended to handle in quantity, cleaning up spills, decanting, etc. Contact lenses pose a special hazard ; soft lenses may absorb irritants and all lenses concentrate them.
Skin Protection  	Generally, not required to handle as per label directions –wear gloves for sensitive skin. Overalls, work boots and elbow length gloves are recommended for handling the concentrated product (as per AS/NZS 2161, or as recommended by supplier) to handle in quantity, cleaning up spills, decanting, etc.
Protective Material Types	Material suitable for detergent contact – Butyl rubber, Natural Latex, Neoprene, PVC, and Nitrile.
Respirator	Generally, not required to handle as per label directions.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES			
Physical State	liquid	Colour	Clear
Odour	Faint odour	Specific Gravity	1.13 – 1.17 @ 25 °C
Boiling Point	Approximately 100 °C	Freezing Point	Approximately 0 °C
Vapour Pressure	Not available	Vapour Density	Not available
Flash Point	Not flammable	Flammable Limits	None
Water Solubility	Miscible in all proportions	pH	<1.0 neat
Volatile Organic Compounds (VOC)	0 % v/v	Coefficient of Water/Oil Distribution	Not available
Viscosity	Not available	Odour Threshold	Not available
Evaporation Rate	Not available	Per Cent Volatile	Ca 60 % v/v

SECTION 10 – STABILITY AND REACTIVITY	
Chemical Stability	Stable at normal temperatures and pressure.
Conditions to Avoid	Oxidising agents.
Incompatible Materials	Alkaline.
Hazardous Decomposition	Product can decompose on combustion (burning) to form Carbon Monoxide, Carbon Dioxide, and other possibly toxic gases and vapours.



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Hazardous Reactions	None known.
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SECTION 11 – TOXICOLOGICAL INFORMATION

POTENTIAL HEALTH EFFECTS

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Ingestion

short term exposure	Ingestion of this product may cause nausea, vomiting, abdominal pain and irritation to the mouth, throat and stomach. For active ingredient: CITRIC ACID : LD50 Oral - rat - 5,400 mg/kg (OECD Test Guideline 401)
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long term exposure	No information available.
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Skin contact

short term exposure	Irritant. Skin contact can cause redness, itching, irritation, if extended contact with concentrated product.
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long term exposure	Prolonged and repeated skin contact with undiluted solutions may induce eczematoid dermatitis.
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Eye contact

short term exposure	Concentrated product causes eye irritation. Eye contact with concentrate will cause stinging, blurring, tearing.
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long term exposure	No information available.
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Inhalation

short term exposure	Inhalation of mists or aerosols may produce mucous membrane and respiratory irritation.
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long term exposure	No information available.
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Carcinogen Status

SWA	No significant ingredient is classified as carcinogenic by SWA.
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NTP	No significant ingredient is classified as carcinogenic by NTP.
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IARC	No significant ingredient is classified as carcinogenic by IARC.
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Respiratory Sensitisation	Not expected to be a respiratory sensitizer.
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Skin Sensitisation	Not expected to be a skin sensitizer.
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Germ cell mutagenicity	Not considered to be a mutagenic hazard.
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Reproductive Toxicity	Not considered to be toxic to reproduction.
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STOT-single exposure	Not expected to cause toxicity to a specific target organ.
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STOT-repeated exposure	Not expected to cause toxicity to a specific target organ.
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Aspiration Hazard	Not expected to be an aspiration hazard.
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SECTION 12 – ECOLOGICAL INFORMATION

Acute Aquatic Toxicity Product (as sold)	Not harmful to aquatic life. LC50 > 100mg/L. Acute Aquatic Toxicity (ATE Calculated) LC50: 472 - 620 mg/L. Acute Aquatic Toxicity NOT HAZARDOUS
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Persistence and degradability	Individual components have been specifically included in this product because they are known to be readily biodegradable and of low toxicity to fish and other aquatic organisms.
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Bio accumulative potential	No bioaccumulation is expected.
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Mobility in soil	Due to its physico-chemical characteristics, highly mobile in the environment and will partition to the aquatic compartment.
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Other adverse effects	None available for specific product.
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Environmental Protection	Expected to be harmful to aquatic species due to low pH. Product miscible in all proportions with water. As with any chemical product, do not discharge BULK quantities into drains, waterways, sewer or environment. Inform local authorities if this occurs.
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SECTION 13 – DISPOSAL CONSIDERATIONS

Disposal	Dispose of material according to Local Authority Regulations or through a licensed waste contractor.
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SECTION 14 – TRANSPORT INFORMATION

Labels Required			
ADG	none allocated		
IMDG Marine Pollutant	No		
Land Transport (ADG)			
UN Number	none allocated	ADG Classification	none allocated
Shipping Name	none allocated	ADG Subsidiary Risk	none allocated
Hazchem Code	none allocated	Packing Group	none allocated
Segregation	none allocated		

SECTION 15 – REGULATORY INFORMATION

GHS Classification	This product is classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.
SUSMP	This product is NOT classified as a Scheduled Poison according to the SUSMP
ADG Code	This product is NOT classified as Dangerous Goods according to the Australian Dangerous Goods Code.
AICS	All ingredients present on AICS.

SECTION 16 – OTHER INFORMATION

Issue Date	13 th March 2021
Version Number	V 1.0 First Issue
Abbreviations and acronyms	<p>ADG Code: Australian Code for the Transport of Dangerous Goods by Road and Rail.</p> <p>AICS: Australian Inventory of Chemical Substances.</p> <p>CAS Number: Chemical Abstracts Service Registry Number.</p> <p>GHS: Globally Harmonized System of Classification and Labelling of Chemicals</p> <p>HAZCHEM: An emergency action code of numbers and letters which gives information to emergency services.</p> <p>HSIS: Hazardous Substances Information System</p> <p>IARC: International Agency for Research on Cancer.</p> <p>NOHSC: National Occupational Health and Safety Commission.</p> <p>NTP: National Toxicology Program (USA).</p> <p>SDS: Safety Data Sheet</p> <p>STEL: Short Term Exposure Limit.</p> <p>SUSMP: Standard for the Uniform Scheduling of Medicines and Poisons.</p> <p>TWA: Time Weighted Average.</p> <p>UN Number: United Nations Number.</p>
Literature references	<p>Preparation of Safety Data Sheets for Hazardous Chemicals – Code of Practice (Safe Work Australia)</p> <p>GHS Hazardous Chemical Information List (Safe Work Australia)</p> <p>Guidance on the Classification of Hazardous Chemicals under the WHS Regulations.</p> <p>Global Harmonized System of Classification and Labelling of Chemicals (GHS)</p>



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“Australian Exposure Standards”. Safework Australia
Australian Code For The Transport Of Dangerous Goods By Road And Rail
Standard for the Uniform Scheduling of Medicines and Poisons
Material Safety Data Sheets – individual raw materials – Suppliers
HSIS – Hazardous Substance Information System – National Safe Work Australia Data Base.
HCIS – Hazardous Chemical Information System – National Safe Work Australia Data Base.
ECHA – European Chemicals Agency.

This SDS summarizes at the date of issue our best knowledge of the health and safety hazard information of this product, and in particular how to safely handle and use this product in the workplace. Since the supplier cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this SDS in the context of how the user intends to 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 supplier.

The SDS is valid for five years from date of issue but may be withdrawn and revised at any time prior to that date. All information contained in the Data Sheet is as accurate as possible at the time of issue. It is meant to describe the safety requirements of our products and should not be construed as guaranteeing specific properties. No expressed or implied warranties nor any responsibility for damages resulting from use of the information are given other than those implied mandatory by Commonwealth, State or Territory Legislation. If this product is to be re-packaged by others, it will be necessary for a new SDS to be generated by the re-packer.

End of SDS