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SAFETY DATA SHEET

1. **IDENTIFICATION**

**Revision Date** 1st February 2017

**Product Name** DESCALER LIQUID

**Recommended uses** Removing calcium, lime and uric acid deposits on porcelain and stainless steel surfaces.

**Suppliers information**

 **Organisation** Windsor Cleaning Solutions

 **Location** 25 Leslie Street, Eaglehawk, Vic. 3556.

 **Telephone** Ph: 03 5446 8320 Mob: 0417 157 044

 **Ask For** Bill Lesuey

 **Poisons Information Centre** Ph: 131126 Australia Wide

1. **HAZARD IDENTIFICATION**

This material is hazardous according to health criteria of Safe Work Australia

**Signal Word**

Warning

**Pictogram**



**Hazard Classification**

Skin Corrosion/Irritation – Category 2

Serious Eye Damage/Irritation – Category 2A

**Hazard Statement**

H315 **Causes skin irritation**

H319 **Causes serious eye irritation**

**Prevention Precautionary Statements**

P102 **Keep out of the reach of children.**

P103 **Read label before use.**

P280 **Wear suitable protective clothing, gloves and eye/face protection.**

P264 **Wash hands and exposed skin thoroughly after handling.**

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**Response Precautionary Statements**

P101  **If medical advice is needed, have product container or label at hand.**

P302 + P352 **IF ON SKIN: Wash with plenty of soap and water**.

PP332 + P313 **If skin irritation occurs: Get medical advice/attention.**

P362 **Take off contaminated clothing and wash before reuse.**

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.**

**Disposal Precautionary Statement**

P501 **Dispose of contents/container in accordance with local, regional. National and international regulations.**

1. **COMPOSITION/INFORMATION ON INGREDIENTS**

**Identity of chemical ingredients CAS Number** **Proportions (%)**

Sulphamic acid 5329-14-6 <30%

Other ingredients not determined as hazardous.

1. **FIRST AID MEASURES**

**Description of necessary measures according to routes of exposure**.

**Swallowed** Immediately rinse mouth with water. Give water to drink. DO NOT induce vomiting. Seek immediate medical assistance.

**Eye** Immediately irrigate with copious quantities of water for at least 15 minutes holding eyelids open. Take care not to wash contaminated water into the non-affected eye. Seek IMMEDIATE medical attention.

**Skin** Immediately wash contaminated skin with lukewarm water for at least 30 minutes. Under running water, remove contaminated clothing. Completely decontaminate clothing before reuse. Seek immediate medical attention.

**Inhaled** Remove victim from exposure to fresh air. If not breathing, apply artificial respiration. If breathing is difficult, give oxygen. Seek medical attention immediately.

**Symptoms caused by exposure**

Repeated or prolonged skin contact may cause chronic contact dermatitis.

**Medical attention** Treat symptomatically based on individual reactions of patient and judgement of doctor. Note: For advice in an emergency, contact a Poisons Information Centre (Australia 13-11-26 or New Zealand 0800-764-766).

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1. **FIRE FIGHTING MEASURES**

**Extinguishing Media** In case of fire, appropriate extinguishing media include water spray, fog or mist, foam, carbon dioxide, or dry chemical powder.

**Hazards from** Non-combustible liquid. Will not burn, or support combustion.

**Combustion Products** However, reaction with incompatible materials can generate sufficient heat to ignite nearby combustible materials. Incompatible with strong oxidising agents, strong acids, metals such as aluminium, tin and zinc, peroxides, reducing agents, metal salts, and sources of ignition.

**Special Protective** Fire fighters should wear a positive-pressure self contained breathing

**Precautions and** apparatus (SCBA) and protective fire fighting clothing (includes fire

**Equipment for Fire** fighting helmet, coat, trousers, boots and gloves). Clear fire area of all **Fighters** non-emergency personnel. Stay upwind, Keep out of low areas. Eliminate ignition sources.

**Flammability Conditions** Product is a non-flammable liquid.

1. **ACCIDENTAL RELEASE MEASURES**

**Personal precautions protective equipment and emergency procedures**

Personnel involved in the clean up should wear full protective clothing.

Eliminate all sources of ignition. Evacuate all unnecessary personnel. Increase ventilation. Stop leak if safe to do so. Avoid walking through spilled product as it may be slippery..

**Enviromental Precautions**

DO NOT let product reach drains or waterways. If product does enter a waterway, advise the Enviromental Protection Authority or your local Waste Management

**Methods and materials for containment and clean up**

For small spills wipe up with absorbent cloth or paper towels. For large spills use absorbent soil, sand or other inert material. Collect material and transfer to suitable, labelled, dry, sealable chemical-waste containers and dispose of promptly.

1. **HANDLING AND STORAGE**

**Precautions for** Ensure an eye bath and safety shower are available and ready for use.

**Safe Handling** Observe good personal hygiene practices and recommended procedures. Wash thoroughly after handling. Avoid contact with eyes, skin and clothing. When diluting the solution add material to water.

**Conditions for Safe** Store in a cool dry well ventilated area. Keep containers tightly closed

**Storage (Including** when not in use. Inspect regularly for deficiencies such as damage or

**Any Incompatibles)**  leaks. Protect against physical damage. Store away from incompatible materials incuding strong oxidizers, strong acids and peroxides.

**Container Type** Use plastic containers.

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1. **EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**Exposure standards**

 No information available on national exposure limits for this product.

**Biological monitoring**

No information available on biological limit values for this product.

**Engineering Controls** Use in well ventilated area.

**Personal Protection** EYES: Protective goggles to prevent eye contamination.

 HANDS: Protective PVC gloves if prone to occupational dermatitis.

 CLOTHING: Chemical resistant coveralls and safety footwear.

1. **PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance** Clear thin liquid

**Odour** Acidic odour

**Odour threshold** Not available

**pH** 2

**Melting point/freezing point** Not available

**Boiling point and range** Not available

**Flash point** Not applicable

**Evaporation rate** Not applicable

**Flammability** Not applicable

**Upper/lower flammability or explosive limits** Not applicable

**Vapour pressure** Not applicable

**Vapour density** Not applicable

**Relative density** Not available

**Solubility** Fully soluble

**Partition coefficient: n-octanol/water**  Not applicable

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**Auto ignition temperature** Not applicable

**Decomposition temperature** Not applicable

**Viscosity** Not available

**Specific heat value** Not applicable

**Particle Size** Not applicable

**Volatile Organic** Not applicable

**compounds content (VOC)**

**Percent Volatile** Not applicable

**Saturated Vapour** Not applicable

**Concentration**

**Release of Invisible** Nil

**Flammable Vapours**

**and Gases**

**Additional** Nil

**parameters**

1. **STABILITY AND REACTIVITY**

**Reactivity** Not applicaable

**Chemical Stability** Product is stable under normal conditions of use, storage and temperature.

**Conditions to Avoid** Avoid direct sunlight and store in a dry area.

**Incompatible Materials** Incompatible with strong acids, strong oxidising agents and peroxides.

**Hazardous**  Nil

**Decomposition**

**Products**

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1. **TOXICOLOGICAL INFORMATION**

**Information on routes of exposure**

**Symptoms related to exposure**

**Swallowed** Should ingestion occur, throat and oesophagus irritation may occur. Vomiting and diarrhoea may occur.

**Eye** Exposure to concentrate may lead to irritation characterized by redness, watering and itching. Avoid contact with eyes.

**Skin** Irritation to the skin on contact. Repeated or prolonged skin contact may lead to occupational dermatitis.

**Inhaled** Risk is low if product is used as directed.

**Numerical measures of toxicity** Not available

**Immediate, delayed and chronic health effects from exposure** As above

**Exposure levels** Not available for this product.

**Interactive effects** Not available for this product.

**Data limitations** Not available for this product.

1. **ECOLOGICAL INFORMATION**

**Ecotoxicity** No data available.

**Persistence and** No data available.

**Degradability** Completely soluble in water.

**Bioaccumulative potential** No data available.

**Mobility in soil** No data available.

**Other adverse effects**

1. **DISPOSAL CONSIDERATIONS**

**Safe handling and disposal methods** Dispose of in accordance with all local, state and federal regulations.

**Disposal of any contaminated packaging** Dispose of in accordance with all local, state and federal regulations.

**Enviromental regulations** Contact a specialist disposal company or the local waste regulator foradvice. This should be done in accordance with The Hazardous WasteAct.

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1. **TRANSPORT INFORMATION**

**LAND TRANSPORT**

**UN Number** Not applicable

**Shipping Name** Not applicable

**Transport hazard class** Not applicable

**Packing group** Not applicable

**Enviromental hazards** Not applicable

**Special precautions during transport** Not applicable

**Hazchem Code** Not applicable

1. **REGULATORY INFORMATION**

**Safety, health and environmental regulations** No data available

**Poisons Schedule** Not applicable

1. **OTHER INFORMATION**

**Date of preparation or review** 1st February 2017

**Key abbreviations or acronyms used**