

PRODUCT NAME: **Super Stain Remover**

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### 1. IDENTIFICATION OF MATERIAL & SUPPLIER

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**SYNONYM(S)** Ecowash Stain remover  
**USE(S)** STAIN REMOVER  
**MSDS DATE:** 04 July 2011

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### 2. HAZARDS IDENTIFICATION

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#### CLASSIFIED AS HAZARDOUS ACCORDING TO NOHSC CRITERIA

#### RISK PHRASES

R34 Causes burns.  
R37 Irritating to respiratory system.

#### SAFETY PHRASES

S13 Keep away from food, drink and animal feeding stuffs.  
S24/25 Avoid contact with skin and eyes.  
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.  
S45 In case of accident or if you feel unwell, contact a doctor or Poisons Information Centre immediately (show the label where possible).

#### CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE

<b>UN No.</b>	3253	<b>DG Class</b>	8	<b>Subsidiary Risk(s)</b>	None Allocated
<b>Pkg Group</b>	III	<b>Hazchem Code</b>	2X	<b>EPG</b>	8A1

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

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INGREDIENT	FORMULA	CAS NO.	CONTENT
SODIUM METASILICATE ANHYDROUS	Na <sub>2</sub> -Si-O <sub>3</sub>	6834-92-0	10-30%
ALKALINE SALT(S)	Not Available	Not Available	30-60%
SURFACTANT(S)	Not Available	Not Available	←10%
NON HAZARDOUS INGREDIENTS	Not Available	Not Available	

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### 4. FIRST AID MEASURES

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**EYE** Hold eyelids apart and flush continuously with water. Continue until advised to stop by the Poisons Information Centre, a doctor, or for at least 15 minutes. Keep patient calm.

**INHALATION** If over exposure occurs leave exposure area immediately. If irritation persists, seek medical attention.

**SKIN** Remove contaminated clothing and gently flush affected areas with water. Continue to flush with water until skin no longer feels soapy. Seek medical attention. Launder clothing before reuse.

**INGESTION** For advice, contact a Poison Information Centre on 13 11 26 (Australia Wide) or a doctor.

<b>ADVICE TO DOCTOR</b>	Treat symptomatically
<b>FIRST AID FACILITIES</b>	Eye wash facilities should be available. A hand wash basin is also recommended.

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### 5. FIRE FIGHTING MEASURES

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<b>FLAMMABILITY</b>	Non-flammable. May evolve toxic gases (hydrocarbons, carbon oxides) when heated to decomposition. May also evolve sulphur oxides and inorganic salts when heated to decomposition.
<b>FIRE &amp; EXPLOSION</b>	Non-flammable. Evacuate area and contact emergency services. Remain upwind and notify those downwind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. Use water-fog to cool intact containers and nearby storage areas.
<b>EXTINGUISHING</b>	Non-flammable. Prevent contamination of drains or waterways, absorb runoff with sand or similar.
<b>HAZCHEM CODE</b>	2X

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### 6. ACCIDENTAL RELEASE MEASURES

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<b>SPILLAGE</b>	If spilt, absorb with sand or similar. Wear splash-proof goggles and PVC/rubber gloves. For large amounts, wear coveralls and rubber boots. Collect and place in sealable containers for disposal. Caution: Spill site may be slippery.
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### 7. STORAGE AND HANDLING

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<b>STORAGE</b>	Store in cool, dry, well-ventilated area, removed from oxidising agents, acids, active metals, direct sunlight, heat sources and foodstuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use. Large storage areas should be bunded and have appropriate ventilation systems.
<b>HANDLING</b>	Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

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### 8. EXPOSURE CONTROLS / PERSONAL EQUIPMENT

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<b>EXPOSURE STANDARDS</b>	No exposure standard(s) allocated.
<b>BIOLOGICAL LIMIT VALUES</b>	No biological limit allocated.
<b>ENGINEERING CONTROLS</b>	Do not inhale vapours. Use in well ventilated areas. In poorly ventilated areas, mechanical extraction ventilation is recommended. Maintain dust levels below the recommended exposure standard.
<b>PPE</b>	Wear splash-proof goggles and rubber or PVC gloves. When using large quantities or where heavy contamination is likely, wear a face-shield, coveralls and boots. When using large quantities or where heavy contamination is likely, wear coveralls and a face-shield.

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### 9. PHYSICAL & CHEMICAL PROPERTIES

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<b>APPEARANCE:</b>	WHITE COLOURED GRANULAR POWDER	<b>SOLUBILITY (WATER):</b>	SOLUBLE
<b>ODOUR:</b>	SLIGHT DETERGENT ODOUR	<b>SPECIFIC GRAVITY:</b>	NOT AVAILABLE
<b>pH:</b>	→ 11.5	<b>% VOLATILES:</b>	0%
<b>VAPOUR PRESSURE:</b>	NOT AVAILABLE	<b>FLAMMIBILITY:</b>	NON FLAMMABLE
<b>VAPOUR DENSITY:</b>	NOT AVAILABLE	<b>FLASH POINT:</b>	NOT RELEVANT
<b>BOILING POINT:</b>	NOT AVAILABLE	<b>UPPER EXPLOSION LIMIT:</b>	NOT RELEVANT
<b>MELTING POINT:</b>	NOT AVAILABLE	<b>LOWER EXPLOSION LIMIT:</b>	NOT RELEVANT
<b>EVAPORATION RATE:</b>	NOT AVAILABLE	<b>AUTOIGNITION:</b>	NOT AVAILABLE
<b>DENSITY:</b>	NOT AVAILABLE		

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### 10. STABILITY & REACTIVITY

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<b>MATERIAL TO AVOID:</b>	Incompatible with oxidising agents (e.g. peroxides), acids (e.g. sulphuric acid), active metals (e.g. aluminium, potassium, magnesium), and heat and ignition sources.
<b>DECOMPOSITION:</b>	May evolve toxic gases (hydrocarbons, carbon oxides) when heated to decomposition. May also evolve sulphur oxides and inorganic salts when heated to decomposition.

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### 11. TOXICOLOGICAL INFORMATION

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<b>HEALTH HAZARD SUMMARY</b>	This product has the potential to cause adverse health effects with eye contact or prolonged skin contact. Due to the low vapour pressure of this product an inhalation hazard is not anticipated with normal use. Use safe work practices to avoid direct eye or skin contact and vapour/ mist generation-inhalation.
<b>EYE</b>	May result in pain, redness, corneal burns and ulceration with possible permanent damage with prolonged contact.
<b>INHALATION</b>	Over exposure may result in irritation of the nose & throat with coughing, nausea and headache. Low vapour pressure reduces the inhalation hazard.
<b>SKIN</b>	Prolonged and repeated contact may result in irritation, skin rash, dermatitis, blisters and burns.
<b>INGESTION</b>	Ingestion may result in ulceration to the mouth and throat with nausea and vomiting.
<b>TOXICITY DATA</b>	SODIUM METASILICATE ANHYDROUS (6834-92-0) LD50 (Ingestion): 770 mg/kg (mouse)

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### 12. ECOLOGICAL INFORMATION

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<b>ENVIRONMENT</b>	<b>WATER:</b> If released to waterways, alkaline products may change the pH of the waterway. Fish will die if the pH reaches 10-11 (goldfish 10.9, bluegill 10.5). <b>SOIL:</b> May leach to groundwater with toxic effects on aquatic life as above. <b>ATMOSPHERE:</b> Not expected to reside in the atmosphere. Drops or particles released to atmosphere should be removed by gravity and/or be rained out.
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## 13. DISPOSAL CONSIDERATION

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<b>WASTE DISPOSAL</b>	For small amounts absorb with sand, vermiculite or similar and dispose of to an approved landfill site. Contact the manufacturer for additional information if larger amounts are involved. Prevent contamination of drains and waterways as aquatic life may be threatened and environmental damage may result.
<b>LEGISLATION</b>	Dispose of in accordance with relevant local legislation.

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## 14. TRANSPORT INFORMATION

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### CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE

**SHIPPING NAME:** DISODIUM TRIOXOSILICATE

<b>UN No.</b>	3253	<b>DG CLASS</b>	8	<b>SUBSIDIARY RISK(S)</b>	None Allocated
<b>Pkg GROUP</b>	III	<b>HAZCHEM CODE</b>	2X	<b>EPG</b>	8A1

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## 15. REGULATORY INFORMATION

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<b>POISON SCHEDULE</b>	Classified as a Schedule 5 (S5) Poison using the criteria in the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).
<b>AICS</b>	All chemicals listed on the Australian Inventory of Chemical Substances (AICS).

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## 16. OTHER INFORMATION

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### ADDITIONAL INFORMATION:

Additional Information

**EXPOSURE STANDARDS - TIME WEIGHTED AVERAGES:** Exposure standards are established on the premise of an 8 hour work period of normal intensity, under normal climatic conditions and where a 16 hour break between shifts exists to enable the body to eliminate absorbed contaminants. In the following circumstances, exposure standards must be reduced: strenuous work conditions; hot, humid climates; high altitude conditions; extended shifts (which increase the exposure period and shorten the period of recuperation).

**ABBREVIATIONS:**

ADB - Air-Dry Basis.

CAS# - Chemical Abstract Service number - used to uniquely identify chemical compounds.

CNS - Central Nervous System.

IARC - International Agency for Research on Cancer.

M - moles per litre, a unit of concentration.

mg/m<sup>3</sup> - Milligrams per cubic metre.

NOS - Not Otherwise Specified.

pH - relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).

ppm - Parts Per Million.

TWA/ES - Time Weighted Average or Exposure Standard.

**PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:** The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

**HEALTH EFFECTS FROM EXPOSURE:** It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

This document has been compiled by the manufacturer of the product and serves as the manufacturer's Material Safety Data Sheet ('MSDS'). It is based on information concerning the product which has been provided to Ecowash Solutions obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue.

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