

Safety Data Sheet **Scalebuster**

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: Scalebuster

Recommended Use: Descaling, Derusting solution

Supplier: Genesis Industrial Pty Ltd, 6 Ginger Street, Paget 4740 **Phone No:** 07 4999 9743

Emergency Phone No - 13 11 26 – Poisons Information Centre

2. HAZARDS IDENTIFICATION

Classified as hazardous according to the criteria of Safe Work Australia (SWA).

Not classified as dangerous goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail, Edition 7.3.

GHS Classification

Serious Eye Damage/Irritation – Category 2A

Skin corrosion/irritation - Category 2

Signal Word

WARNING

Hazard Statements

Causes serious eye irritation

Causes skin irritation

Pictograms



Precautionary Statements

Wash hands thoroughly after handling.

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.

IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice. Take off contaminated clothing and wash before reuse.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	Proportion
Water	7732-18-5	0-<10% -
Carbamide Hydrochloride	506-89-8	>60%
Other non hazardous	68439-51-0	0-<10%

4. FIRST AID MEASURES

Swallowed

Rinse mouth with water. Give 3-4 glasses of water to drink provided person is conscious. Do NOT induce vomiting. If symptoms develop, seek medical attention.

Advice to Doctor Treat symptomatically based on individual reactions of patient and judgement of doctor.

Inhaled Remove victim from exposure to fresh air. Seek medical advice if effects persist.

Medical Conditions Aggravated by Exposure

No information available on medical conditions aggravated from exposure to this product.

Eye Immediately flush eyes with plenty of water for 15 minutes, holding eyelids open. Remove contact lenses, if any. Seek medical attention immediately.

Skin Immediately flush with mild soap and water for 15 minutes. If irritation persists, seek medical attention.

5. FIRE FIGHTING MEASURES

General Measures

Clear fire area of all non-emergency personnel. Stay upwind. Keep out of low areas. Eliminate ignition sources.

Move fire exposed containers from fire area if it can be done without risk.

Flammability Conditions This product is a non-flammable liquid

Extinguishing Media In case of fire, use appropriate extinguishing media most suitable for surrounding fire conditions. Use water spray or dry chemical.

Hazardous Products of Combustion

During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Hydrogen chloride, carbon monoxide, irritating and toxic fumes and gases, carbon dioxide, nitrogen oxides (NOx) and ammonia (NH₃).

Special Fire Fighting Instructions Do NOT allow fire fighting water to reach waterways, drains or sewers. Store fire fighting water for treatment.

Fire fighters should wear a positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting

6. ACCIDENTAL RELEASE MEASURES

Clean up all spills immediately. Avoid contact with skin and eyes. Contain spill and mop up. Prevent contaminating waterways. Place in a suitable, labelled container for waste disposal.

For minor spills, clean up, rinsing to sewer and put empty container in garbage. Although no special protective clothing is normally necessary because of occasional minor contact with this product, it is good practice to wear impermeable gloves when handling chemical products. In the event of a major spill, prevent spillage from entering drains or water courses and call emergency services.

7. HANDLING AND STORAGE

Safety: Keep out of reach of children. Do not mix with other chemicals.

Handling: Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this MSDS for details of personal protective measures, and make sure that those measures are followed.

The measures detailed below under "Storage" should be followed during handling in order to minimise risks to persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials listed in Section 10.

Storage: Make sure that containers of this product are kept tightly closed. Make sure that the product does not come into contact with substances listed under "Incompatibilities" in Section 10. Some liquid preparations settle or separate on standing and may require stirring before use. Check packaging - there may be further storage instructions on the label.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

The following Australian Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: AS/NZS 1715, Protective Gloves: AS 2161, Occupational Protective Clothing: AS/NZS 4501set 2008,

Industrial Eye Protection: AS1336 and AS/NZS 1337,

Occupational Protective Footwear: AS/NZS2210.

SWA Exposure Limits TWA (mg/m3) STEL (mg/m3)

N/A

No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

Ventilation: No special ventilation requirements are normally necessary for this product. However make sure that the work environment remains clean and that vapours and mists are minimised.

Eye Protection: Eye protection such as protective glasses or goggles is recommended when this product is being used.

Skin Protection: The information at hand indicates that this product is not harmful and that normally no special skin protection is necessary. However, we suggest that you routinely avoid contact with all chemical products and that you wear suitable gloves (preferably elbow-length) when skin contact is likely.

Personal Protection Equipment

RESPIRATOR: Always use a NIOSH approved respirator when necessary (AS1715/1716).

EYES: Chemical safety glasses or protective eye glasses side shields (AS1336/1337).

HANDS: Protective gloves (AS2161).

CLOTHING: Long-sleeved protective clothing and safety footwear (AS3765/2210).

NOTE: Suggested protective clothing might not be sufficient; consult a specialist before handling this product



9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Description & colour:	Green Liquid.
Odour	Non specific
Boiling Point:	Approximately 100°C at 100kPa.
Freezing/Melting Point:	Below 0°C.
Volatiles:	Water component.
Vapour Pressure:	2.37 kPa at 20°C (water vapour pressure).
Vapour Density:	As for water.
Specific Gravity:	1.00
Water Solubility:	Completely soluble in water.
pH:	1-2
Volatility:	No data.
Odour Threshold:	No data.
Evaporation Rate:	As for water.
Coeff Oil/water Distribution:	No data
Autoignition temp:	Not applicable - does not burn.

10. STABILITY AND REACTIVITY

Chemical Stability

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

Store below 39 Deg C.

Conditions to Avoid

Concentrated alkali's, chlorine bleaches, hypochlorites, heating above 110 degrees C will cause decomposition with rapid release of carbon dioxide gas .

Materials to Avoid

Do not store or dispense into metal containers; especially aluminium.

Hazardous Decomposition Products

During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Hydrogen chloride, carbon monoxide, irritating and toxic fumes and gases ,carbon dioxide , nitrogen oxides (NOx) and ammonia (NH3).

Hazardous polymerization has not been reported.

11. TOXICOLOGICAL INFORMATION

Eye Irritant Causes eye irritation and severe damage.

Ingestion May be harmful if swallowed. Causes gastro-intestinal irritation, nausea, vomiting and diarrhea.

Inhalation May cause severe irritation of the respiratory tract with sore throat, coughing, shortness of breath and delayed lung oedema.

Skin Irritant Causes skin irritation.

General Information Oral LD50 Rat = 1,121 mg/kg

Carcinogen Category No Data Available

Reproductive Toxicity:	Not classified
Specific Target Organ Toxicity (STOT) - Single Exposure:	Not classified
Specific Target Organ Toxicity (STOT) - Repeated Exposure:	Not classified
Aspiration Hazard:	Not classified
Immediate, Delayed and Chronic Health Effects From Exposure:	None known.
Other Information:	None known

12. ECOLOGICAL INFORMATION

Ecotoxicity Avoid contaminating waterways

Persistence/degradability: This material is biodegradable.

Aquatic toxicity: Not Known

13. DISPOSAL CONSIDERATIONS

Disposal methods:

Refer to Waste Management Authority. Dispose of material through a licensed waste contractor. Decontamination and destruction of containers should be considered.

14. TRANSPORT INFORMATION

Road and Rail Transport: Not Dangerous Goods

15. REGULATORY INFORMATION

AICS: All of the significant ingredients in this formulation are compliant with NICNAS regulations.

Section 16. Other Information

This SDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user must review this MSDS in the context of how the product will be handled in the workplace and in conjunction with other materials. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

Contact Person/Point Genesis Industrial Pty Ltd, Technical Manager