

Material Safety Data Sheet Scrubber Tank Cleaner

Section 1. Identification

Product Name: Scrubber Tank Cleaner

Recommended Use: Scrubber Tank Cleaner Degreaser

Supplier: Genesis Industrial Pty Ltd, 6 Ginger, Paget 4740 **Phone No:** 07 49 999 743

Emergency Phone No - 13 11 26 – Poisons Information Centre

Section 2. Hazards Identification



Signal Word **WARNING**

CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA

Risk phrases

R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

R36/38 Irritating to eyes and skin.

Safety phrases

S23 Do not breathe gas/fumes/vapour/spray (where applicable).

S24/25 Avoid contact with skin and eyes.

S36 Wear suitable protective clothing.

Other Hazards

No information provided.

Section 3. Composition Information

3.1 Substances / Mixtures

Ingredient	CAS number	EC number	Content
ETHYLENE GLYCOL MONOBUTYL ETHER	111-76-2	203-905-0	5-20%
SODIUM METASILICATE ANHYDROUS	6834-92-0	229-912-9	1-10%
WATER	7732-18-5	231-791-2	60-89%
SODIUM TRIPOLYPHOSPHATE	7758-29-4	231-838-7	5-20%

Section 4. First Aid

4.1 Description of first aid measures

Eye	If in eyes, hold eyelids apart and flush continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre, a doctor, or for at least 15 minutes.
Inhalation	If inhaled, remove from contaminated area. Apply artificial respiration if not breathing.
Skin	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by a Poisons Information Centre or a doctor.
Ingestion	For advice, contact a Poison Information Centre on 13 11 26 (Australia Wide) or a doctor (at once).
First aid facilities	Eye wash facilities and safety shower should be available.

4.2 Most important symptoms and effects, both acute and delayed

No information provided.

4.3 Immediate medical attention and special treatment needed

Treat symptomatically.

Section 5. Fire Fighting Measures

5.1 Extinguishing media

Use an extinguishing agent suitable for the surrounding fire.

5.2 Special hazards arising from the substance or mixture

Non flammable. May evolve carbon oxides and hydrocarbons when heated to decomposition.

5.3 Advice for firefighters

Treat as per requirements for surrounding fires. 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 waterfog to cool intact containers and nearby storage areas.

5.4 Hazchem code

None allocated

Section 6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear Personal Protective Equipment (PPE) as detailed in section 8 of the SDS. Clear area of all unprotected personnel. Ventilate area where possible. Contact emergency services where appropriate.

6.2 Environmental precautions

Prevent product from entering drains and waterways.

6.3 Methods of cleaning up

Contain spillage, then cover / absorb spill with non-combustible absorbent material (vermiculite, sand, or similar), collect and place in suitable containers for disposal.

6.4 Reference to other sections

See Sections 8 and 13 for exposure controls and disposal.

Section 7. Handling and Storage

7.1 Precautions for safe handling

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.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well ventilated area, removed from incompatible substances, heat or ignition sources and foodstuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use. Large storage areas should have appropriate ventilation systems.

7.3 Specific end use(s)

No information provided.

Section 8. Exposure Controls and Personal Protection

8.1 Control parameters**Exposure standards**

Substance	Reference	TWA		STEL	
		ppm	mg/m ³	ppm	mg/m ³
2-Butoxyethanol (EGBE)	SWA (AUS)	20	96.9	50	242

Biological limits

Ingredient	Reference	Determinant	Sampling time	BEI
ETHYLENE GLYCOL MONOBUTYL ETHER	ACGIH BEI	Butoxyacetic acid (BAA) in urine (with hydrolysis)	End of shift	200 mg/g creatinine

8.2 Exposure controls

Engineering Controls Avoid inhalation. Use in well ventilated areas. Where an inhalation risk exists, mechanical extraction

**PPE**

Eye/Face	Wear splash-proof goggles.
Hand	Wear PVC or rubber gloves.
Body	Wear coveralls.
Respiratory	Where an inhalation risk exists, wear a Type A (Organic vapour) respirator. If spraying, wear a Type A-Class P1 (Organic gases/vapours and Particulate) respirator.

Section 9. Physical and Chemical Properties**9.1 Information on basic physical and chemical properties**

Appearance	GREEN LIQUID
Odour	SLIGHT ODOUR
Odour Threshold	NOT AVAILABLE
pH	12.5
Melting Point	< 0°C
Boiling Point	100°C
Flash Point	NOT RELEVANT
Evaporation Rate	AS FOR WATER
Flammability	NON FLAMMABLE
Upper Explosion Limit	NOT RELEVANT
Lower Explosion Limit	NOT RELEVANT
Vapour Pressure	18 mm Hg @ 20°C
Vapour Density	NOT AVAILABLE
Solubility (water)	SOLUBLE
Partition Coefficient	NOT AVAILABLE
Autoignition Temperature	NOT AVAILABLE
Decomposition Temperature	NOT AVAILABLE
Viscosity	NOT AVAILABLE
Explosive Properties	NOT AVAILABLE
Oxidising Properties	NOT AVAILABLE
Specific Gravity	1.06

Section 10. Stability and Reactivity

10.1 Reactivity

Carefully review all information in sections 10.2 to 10.6.

10.2 Chemical stability

Stable under recommended conditions of storage.

10.3 Possibility of hazardous reactions

Polymerization will not occur.

10.4 Conditions to avoid

Avoid heat, sparks, open flames and other ignition sources.

10.5 Incompatible materials

Incompatible with oxidising agents (e.g. hypochlorites) and acids (e.g. nitric acid).

10.6 Hazardous decomposition products

May evolve carbon oxides and hydrocarbons when heated to decomposition.

Section 11. Toxicological Information**11.1 Information on toxicological effects**

Health hazard summary	Corrosive. This product has the potential to cause adverse health effects. Use safe work practices to avoid eye or skin contact and inhalation. Overexposure may result in burns to the eyes and skin. Chronic exposure to some glycols may result in liver and kidney damage.
Eye	Corrosive. Contact may result in irritation, lacrimation, pain, redness, corneal burns and possible permanent damage.
Inhalation	Corrosive. Over exposure may result in irritation of the nose and throat, coughing, nausea and vomiting. High level exposure may result in dizziness, breathing difficulties, ulceration, pulmonary oedema and unconsciousness. Chronic exposure to glycols may result in kidney and liver damage.
Skin	Corrosive - irritant. Contact may result in irritation, redness, pain, rash, dermatitis and possible burns.
Ingestion	Corrosive. Ingestion may result in ulceration and burns to the mouth and throat, nausea, vomiting, abdominal pain, diarrhoea and liver/kidney damage.
Toxicity data	<p>ETHYLENE GLYCOL MONOBUTYL ETHER (111-76-2)</p> <p>LC50 (Inhalation): 700 ppm (mouse)</p> <p>LD50 (Ingestion): 300 mg/kg (rabbit)</p> <p>LD50 (Skin): 230 mg/kg (guinea pig)</p> <p>TCLo (Inhalation): 100 ppm (human)</p> <p>TDLo (Ingestion): 7813 uL/kg (woman)</p> <p>SODIUM METASILICATE ANHYDROUS (6834-92-0)</p> <p>LD50 (Ingestion): 770 mg/kg (mouse)</p> <p>SODIUM TRIPOLYPHOSPHATE (7758-29-4)</p> <p>LD50 (Ingestion): 3100 mg/kg (mouse)</p> <p>LD50 (Intraperitoneal): 525 mg/kg (rat)</p> <p>LD50 (Intravenous): 71 mg/kg (mouse)</p> <p>LD50 (Subcutaneous): 750mg/kg (guinea pig)</p>

Section 12. Ecological Information

12.1 Toxicity

No information provided.

12.2 Persistence and degradability

No information provided.

12.3 Bioaccumulative potential

No information provided.

12.4 Mobility in soil

No information provided.

12.5 Results of PBT and vPvB assessment

No information provided.

12.6 Other adverse effects

ATMOSPHERE: Vapour phase glycols are expected to degrade fairly rapidly by reaction with hydroxyl radicals (eg half-life 32 hours for propylene glycol). Removal from air by rainfall is possible. WATER: Should degrade relatively rapidly via biodegradation. SOIL: If released to soil, relatively rapid biodegradation should also occur. Leaching to groundwater may occur.

Section 13. Disposal Considerations**13.1 Waste treatment methods**

Waste disposal	Neutralise with dilute acid (e.g. 3 mol/L hydrochloric acid) or similar. For small amounts, absorb with sand or similar and dispose of to an approved landfill site. Contact the manufacturer/supplier for additional information (if required).
Legislation	Dispose of in accordance with relevant local legislation.

Section 14. Transport Information

Transport Information	Not classified as Dangerous Goods according to the ADGC.
IMO Marine Pollutant	At the concentration contained in this product, not classified by IMO to be a Marine Pollutant.

	Land Transport (ADG)	Sea Transport (IMDG/IMO)	Air Transport (IATA/ICAO)
14.1 UN number	None Allocated	None Allocated	None Allocated
14.2 UN proper shipping name	None Allocated	None Allocated	None Allocated
14.3 Transport hazard classes			
DG Class	None Allocated	None Allocated	None Allocated
Subsidiary risk(s)	None Allocated	None Allocated	None Allocated
14.4 Packing group	None Allocated	None Allocated	None Allocated
14.5 Environmental hazards		None Allocated	
14.6 Special precautions for user			
Hazchem Code	None Allocated		

Section 15. Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Poison schedule	A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).
Classifications	Xi - Irritant Xn - Harmful
Inventory listing(s)	AUSTRALIA: AICS (Australian Inventory of Chemical Substances) All components are listed on AICS, or are exempt.

15.2 Chemical safety assessment

No information provided.

Section 16. Other Information

This MSDS 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 0749522608