

WORX DEGREASER SAFETY DATA SHEET

1. Identification of Substance/Product and the Company

Product Name:	Worx Degreaser
Description:	Cut, quick break, biodegradable water-based degreaser.
Grade:	Mining
Manufacturer:	Lubritech (Pty) Ltd Trevallyn Industrial Park (West), Kya Sands, Randburg
Telephone:	0861 000 487
Email:	admin@lubritech.co.za
Emergency Numbers (24 Hours):	0861 000 487 / 061 426 5621

2. Source and Composition/Data on Contents





Chemical Name:	Disodium Trioxosilicate
CAS No.:	6834-92-0
Hazard:	C; R36/37/38
% Range:	<3.0

3. Hazard Identification

Main Hazard:	Irritating to eyes and skin.
Health Effects:	
- Eyes:	Causes irritation to eyes.
- Skin:	Causes irritation to skin and prolonged contact with concentrate will cause drying.
- Ingestion:	Swallowing this material will irritate the digestive tract, including the mouth, throat, stomach.
- Inhalation:	Low. Product is aqueous based. Causes irritation to respiratory tract. Symptoms include coughing, shortness of breath.



4. First Aid Information

Eyes		Irritating to eyes. Hold the eyelids apart and wash/flush the eyes gently with water for at least 15 minutes. Seek medical attention.
Skin		Irritating to skin. Immediately wash skin and clothing with water and soap. Seek medical attention if irritation persists.
Ingestion		Do not swallow. Rinse out mouth and then drink plenty of water. Obtain medical attention.
Inhalation		Product is non-volatile, aqueous based, inhalation risk is minimal. Remove the individual to a well-ventilated area and get immediate medical attention. If breathing is difficult, give oxygen. If breathing stops, give artificial respiration.

5. Fire Fighting Measures

Extinguishing Media:

Product is non-flammable and water based.

Use extinguishing media (e.g. CO² / Water / Foam/ Dry Powder) suitable for surrounding fire.

Flash Point:

Not Applicable

Hazardous Combustion Products:

Carbon Dioxide

Fire Fighting Equipment:

Full protective suit with breathing apparatus, goggles, gloves, etc.

6. Accidental Release Measures

Personal Precautions:

Avoid ingestion, contact with eyes and skin. Wear suitable protective clothing. (Refer to Section 8).

Environmental Precautions

Prevent run-off into sewers or any ground or surface waterway. Prevent unauthorised access to the area.



Spillages:

Small Quantities:

Ventilate area. Absorb with inert non-combustible material and transfer to waste container. Wash residues with large amounts of water.

Large Quantities:

Ventilate area of leak or spill. Contain spill and absorb with inert non-combustible material. Wash residues with large amounts of water.

7. Handling and Storage

Handling Precautions Storage:

Store in tightly sealed, properly labelled tanks or containers.

Can be stored up to 6 months in sealed containers at room temperature, out of direct sun light.

Do not remove labels.

Do not mix contents with other products.

8. Exposure Control/Personal Protection

Occupational Exposure Limits: No Limits Assigned

Engineering Control Measures: Provide eye wash station
Ventilation – Natural

Respiratory Protection: Not Applicable

Personal Protection

- **Hands:** Neoprene / Chloroprene Gloves
- **Eyes:** Face Shield or Goggles
- **Skin/Body Protection:** Overalls

9. Physical and Chemical Properties (Continued)

Oxidizing Properties: Not Applicable

Flammability: Not Applicable

Flash Point: Not Applicable

Boiling Point: > 100 Degrees Celsius



10. Stability and Reactivity

Conditions to Avoid:

Not Applicable

Incompatibility with Other Products:

No known adverse reactions. Acids and strong oxidizing materials.

Hazardous Decomposition Products:

No typical hazardous decomposition products known. No decomposition if used and stored according to specifications, otherwise Carbon Dioxide / Monoxide.

11. Toxicological Information

Acute Toxicity:	No known chronic effects
Eyes:	Serious risk to eyes
Skin:	Prolonged contact may cause drying of skin and subsequent irritation.
Ingestion:	Low acute toxicity. Will cause irritation to mucus membranes in mouth, throat, stomach and intestinal canal. Refer to Section 3.
Inhalation:	Refer to Section 3.
Carcinogenicity:	Individual ingredients show no evidence of carcinogenicity.
Mutagenicity:	Not Anticipated
Reproductive Hazardous:	Not Anticipated

12. Ecological Information

Bioaccumulation:	Will not bio-accumulate.
Biodegradability:	Individual organic ingredients biodegradable. >80% BOD 28 days CBT (OECD 301D) LC 50 >2600
Aquatic Toxicity:	
- Fish:	Harmful to aquatic organisms and aquatic environment in high concentrations.
- Daphnia:	LC 50 >2600 mg/l
- Algae:	No Data
- Mobility:	Mobile – Disperses in water.



13. Disposal Considerations

Product Disposal:

Must comply with Local, Provincial and National regulations. Waste characterization and compliance with Disposal Regulations is the responsibility of the waste generator.

Container Disposal:

Supplier can collect empty undamaged containers incl. caps. Alternatively, disposal must comply with Local, Provincial and National regulations. Waste characterization and compliance with Disposal Regulations is the responsibility of the waste generator.

Spill Residue:

Recovered loads or liquids may be sent to a licensed Reclaimer or disposed of in a permitted Waste Management Facility. Consult National, Provincial or Local Disposal Authorities for approved Procedures.

14. Transportation Information

UN Number.:	Not hazardous to transport
Class:	Not Applicable
Packing Group:	Not Applicable
ERG Number:	Not Applicable

15. Regulatory Information

Hazard Classification:	None
Risk Phrases:	R36/38
Safety Phrases:	S24/25, S36/37/39

National Legislation:

Occupational Health and Safety Act (No. 85 of 1993)

Regulation R1449 of 6 September 1996. Government Notice No. 17403. Regulations for Hazardous Chemical Substances.

SANS 10265. The classification and labelling of dangerous substances and preparations.

SANS 10234. Globally harmonized system of classification and labelling of chemicals (GHS).



16. Other Information

Risk Phrases

R36/38: Irritating to eyes and skin

R36/37/38: Irritating to eyes, respiratory system and skin

Safety Phrases

S24/25: Avoid contact with skin and eyes

S36/37/39: Wear suitable protective clothing, gloves and eye/face protection



WORX DEGREASER CHEMICAL DATA

1. Source and Composition/Data on Contents

Hazard Components:

Composition	Concentration	CAS Number	EINECS	Hazard	Risk Phrases	OES
Optimised Surfactant Blend	< 10 %	Proprietary Information	Proprietary Information	Xn,X1,N	R22,R41,R51,R53	-
Disodium Trioxosilicate	< 3.0 %	6834-92-0		G	R36,R37,R38	

2. Physical and Chemical Properties

Physical State:	Liquid
Form:	Water
Color:	Fluorescent light green
Odour:	Neutral
pH:	12.5 – 13.5
Relative Density at 20 ° C:	Approx. 0.965
Vapor Pressure at 20° C:	Essentially Water Vapor
Solubility in Water at 20° C:	Complete
Flash Point:	Non-Measurable (Water-Based)

3. Toxicological Data for Individual Components

Component	Acute Toxicity
Disodium Trioxosilicate	LD50 Oral (rat): 1.4mg/kg
Surfactant 1 (Proprietary Information)	Oral: 200<LD50<2000mg.kg-1 Dermal: LD50>2000mg.kg-1 Inhalation: LC50>5mg.kg-1
Surfactant 2 (Proprietary Information)	LD50 Oral (rat): <2000mg.kg-1



4. Ecological Information

Ecotoxicity for Individual Components:

Component	Acute Toxicity
Disodium Trioxosilicate	LC 50 F154-210mg/l – 96 hours
Surfactant 1 (Proprietary Information)	Fish: 1<LC50<10mg.1-1 Daphnia: 1<LC50<10mg.1-1 Algae:1<LC50<10mg.1-1
Surfactant 2 (Proprietary Information)	LC50 95h (fish): 1-10mg.1-1

5. Degradability

(5% solution): Biodegradable: COD 2850 mg.L-1
BOD (5 day) 4400 mg.L-1

6. Bioaccumulation

No bioaccumulation is expected. The product is biodegradable and water-soluble.

Appearance: Fluorescent light green
Odour: Neutral
Ph Concentrate at 20 ° C: 12.5 – 13.5
PH (10 g/l) at 20 ° C: 9.0 – 12.0
Density: 1.05 +-0.01kg/l soluble
Solubility – Water: 100%
Solubility – Solvent: Not Applicable



7. Other

The information on this SDS (COSHH) is based on the present state of our knowledge and on current EEC and national laws.

The user's working conditions are beyond our knowledge and control. It is always the responsibility of the user to take all necessary steps to fulfil the demands laid down in the rules and legislation.

The information on this SDS (COSHH) is meant as a description of safety requirements of our product. It is not to be considered as guarantee of the product's properties.

Manufactured under strict quality control measures.

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