



FINE ORGANICS CHEMICALS (PTY) LIMITED

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Alrode South

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MATERIAL SAFETY DATA SHEET.

1. Identification of the substance/Preparation and Company.

Product Trade Name: BIOWASH (ANTIFUNGICIDE)
Chemical Family: Organic/Inorganic complex formulation.
Chemical Name: Water based degreaser.
Product Description: Environmentally friendly biodegradable general purpose water based degreaser with antifungal properties.

Manufactured by:

Fine Organics Chemicals (Pty) Ltd., Telephone 011-868 1139, Fax 011- 868 3766, 161 Morkel Avenue, ALRODE SOUTH, 1450

Emergency 24 hour Contact:

Fine Organics Chemicals (Pty) Ltd., Security 011-868 1139.

2. Composition / Information on ingredients.

Hazardous Components:	%	UN#	CAS#
Gluteraldehyde	<8	2922	111-30-8

3. HAZARD IDENTIFICATION

Emergency Overview:

Clear fluorescent green yellow liquid with a characteristic odour.

Toxicology:

Ingestion:

May irritate mucous membranes of mouth and throat.

Eye contact:

May cause slight burning sensation.

Skin Contact :

Irritation and/or dermatitis.

Inhalation:

Non irritant under normal conditions of use. Irritant if atomised and breathed in.

4. FIRST AID

Inhalation:

Remove person to fresh air. Seek medical attention if discomfort persists.

Eye Contact:

Flush thoroughly with water for at least 15 minutes, within 1 minute of contact.

Skin contact:

Wash areas of contact with generous amounts of water.

Ingestion:

If swallowed. Do not induce vomiting. Give plenty of water, seek medical attention

in any necessary instances.

5. FIRE FIGHTING

Flashpoint:

Non flammable.

Flammability limit:

N/A.

Auto ignition temperature:

N/A.

Extinguishing media:

N/A.

Special fire fighting methods:

Avoid breathing smoke or vapours. If drums in fire area, spray with water to cool.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Avoid contact with skin and eyes.

Personal Protection:

Wear impermeable gloves and boots.

Environmental Precautions:

Prevent from spreading or entering into drains, ditches or rivers by using sand, earth or other appropriate barriers. Remove all ignition sources. Inform local authorities if this cannot be prevented.

Clean- up methods- small spillage:

Absorb liquid with sand or earth. Sweep up and remove to a suitable, clearly marked containers for disposal in accordance with regulations.

Clean- up methods- large spillage:

Prevent from spreading by making a barrier with sand, earth or other containment material. Reclaim liquid directly or in an absorbent. Dispose as for small spills.

7. HANDLING AND STORAGE:

Handling –

Carry out a risk assessment to determine engineering controls to be used. Avoid contact with eyes, skin and clothing. Keep container tightly closed when not in use.

Storage –

Store in a cool dry well ventilated area away from sources of heat or ignition. Use properly labelled and closable containers.

Storage Temperature -

5° C Minimum to 35° C maximum.

General -

Reasonable care and precautions when handling this material are strongly recommended. Do not store near heat, sparks or open flames.

Empty Containers -

PVC containers. These containers may be hazardous when empty. Empty containers may retain residues (vapours or liquid). Observe all labelled hazard precautions.

8. EXPOSURE CONTROLS/PERSONNEL PROTECTION

Engineering Control Measures:-

Apply engineering control to determine safe operating procedures to avoid contact and exposure. Apply engineering controls appropriate to the job.

Occupational exposure standards:-
N/A.

Hygiene measures:-
Wash hands before eating, drinking and using the toilet.

Personal protection:

Eyes:

Safety goggles.

Skin:

Rubber gloves and protective clothing.

Respiratory:

Respirator if working in confined area.

Ventilation:

Adequate ventilation.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear fluorescent green/yellow liquid.
Vapour pressure:	Not established.
Relative Vapour density (air = 1):	Not established.
Evaporation rate:	N/A.
% Volatiles:	N/A.
Relative density:	1,04.
Solubility in water:	Complete.
pH:	11.0 max.
Boiling Point:	>100°C.
Viscosity:	140 cps.

10. STABILITY AND REACTIVITY

Stability:	Stable.
Hazardous polymerisation:	Will not occur.
Incompatibilities:	Avoid contact with oxidising agents.
Decomposition products:	Includes oxides of carbon.

11. TOXICOLOGICAL INFORMATION

Basis for assessment:

Toxicological data has not been determined specifically for this product.
Information given is on a knowledge of the components and the toxicology of similar products.

Acute toxicity –oral:

LD₅₀ expected to be above 3000 mg/kg

Acute toxicity – dermal:

LD₅₀ expected to be above 3000 mg/kg

Acute toxicity – inhalation:

LD₅₀ expected to be above 3000 mg/kg

Eye irritation :

Expected to be slightly irritant.

Skin irritation :

Expected to be slightly irritant.

Respiratory irritation :

N/A.

Skin sensitisation :

Not expected to be a skin sensitiser.

Mutagenicity :

Not expected to be a mutagen.

Other information :

Prolonged and / or repeated contact with products containing detergents can

result in defatting of the skin, particularly at elevated temperatures. This can lead to irritation and possibly dermatitis, especially on conditions of poor personal hygiene. Skin contact should be minimised.

12. ECOLOGICAL INFORMATION.

Basis for assessment:-

Ecotoxicological data has not been determined specifically for this product. Information given is based on a knowledge of the components and the ecotoxicology of similar products.

Mobility:-

Evaporates after use to form a mist which is absorbed by the atmosphere.

Persistence/degradability:-

Completely biodegradable.

Bio-accumulation:-

It does not contain ozone depleting substances as listed in the Montreal Protocol

Ecotoxicity: -

Highly diluted when rinsed off, therefore, it has little effect on natural eco-systems

13. DISPOSAL

Method:

Dispose of in accordance with local and government regulations. Disposal recommendations apply to the original material and its container; not any materials which are a waste by-product of the user's operation. (Generally professional waste disposal companies have the facilities to handle the waste). Empty containers may retain product residues (vapour or liquid). Observe all labelled precautions.

14. TRANSPORT INFORMATION (to SABS 0229)

UN number:	None.
Group:	N/A.
Class:	None.

15. REGULATORY INFORMATION.

Labelling information:-	Harmful.
R phrases:-	R22 – Harmful if swallowed. R21/22 – Harmful in contact with skin and if swallowed. R36/37 – Irritating to eyes and respiratory system.

16. OTHER INFORMATION.

MSDS first issued: -	June, 2015
Uses and restrictions:-	Environmentally friendly water based degreaser.

Disclaimer:- This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of Fine Organics Chemicals (Pty) Ltd.