



Eco-Sure Chemicals CC

12 Enterprisestr.Hamilton.Bloemfontein.Tel: 051 434 3055

MATERIAL SAFETY DATA SHEET

Company Identification:

Manufacturer: Eco-Sure Chemicals

12 Enterprisestr

Hamilton

Bloemfontein

Tel: 051 434 3055

Fax: 051 434 3060

Email: ecosurechem@gmail.com

1. Product Identification

Trade Name	Pine Gel
Chemical Family	Gel type cleaner
Chemical Name	Formulated chemical
Product use	Cleaning, deodorising

2.Composition

CAS No.	Hazardous Components	Approximate%	Limit and OSHA PEL
8002-09-3	Pine Oil	<10	Skn-rbt 500mg/24h SEV
141-43-5	Monoethanolamine	<10	TWA 3 ppm, STEL 6 ppm
	Quaternarium Ammonium Compound	< 5%	/
	Dodecyl Benzol Sulphonate	<20%	/

3.Hazards Identification

Main Hazard	Irritant
Inhalation	No effect, when used as specified
Skin Contact	Irritant, avoid prolonged contact with concentrate
Eye contact	Irritant, avoid eye contact with product at any given time
Ingestion	Nausea, vomiting

4. First Aid Measures

Inhalation	No effects, should there be symptoms, move to fresh air
Skin Contact	Flush with water for at least 5min
Eye Contact	Rinse eyes with running water with eyelids opened for at least 15 min. Seek medical attention, even if there are no symptoms.
Ingestion	Allow large quantities of water do not induce vomiting. Seek

	immediate medical attention.
--	------------------------------

5. Fire Fighting Measures

Product non-flammable. Use extinguishing agents suitable for surrounding fire.	
Special Hazard	None known
Protective Clothing	Approved self contained breathing apparatus should be utilised or equivalent equipment.

6. Accidental Release Measures

Personal Precaution	Avoid prolonged contact with the product. Product may render surfaces slippery.
Environmental Precautions	When disposing large quantities, the product can be harmful to aquatic environment.
Small Spills	Remove excess with absorbent material and flush residue with plenty of water.
Large Spills	Prevent the discharge of large amounts of concentrated product into sewerage and watercourses.

7. Handling and Storage

Handling	Normal handling procedure for detergents to minimise personal exposure to the product.
Storage	Store in a cool dry place. Keep container closed.

8. Exposure Controls/Personal Protection

<ul style="list-style-type: none"> Workers should have a access to eye wash fountain.
<ul style="list-style-type: none"> In the specific application may result in splashing, safety goggles should be supplied.
<ul style="list-style-type: none"> If prolonged or frequent contact is expected, gloves should be utilised.
<ul style="list-style-type: none"> Handle in a well ventilated area.

9. Physical and Chemical Properties

Appearance	Green Gel
pH	7.00 – 9.00
Odour	Pine
Solubility (water)	100%

10. Stability and Reactivity

Stability	Stable under normal conditions
Conditions to avoid	Strong acids
Hazardous decomposition products	None known. When burning toxic fumes of carbon oxides will be liberated.

11. Toxicological Information

Acute toxicity – oral	LD 50: 1800 – 5000mg/kg
Acute toxicity – dermal	LD 50: > 2000 mg/kg
Carcinogenicity	No evidence

Mutagenicity	No evidence
Teratogenicity	No evidence
Reproductive Hazard	Not expected to impair fertility

12. Ecological Information

Acute toxicity – fish	LC 50: 1.2 mg/l (48hrs)
Acute toxicity – daphnia	EC 50: 2.2 mg/l (48hrs)
Acute toxicity – algae	EC 50: > 10 mg/l (96hrs)
Biodegradability	The product is readily biodegradable
Bioaccumulation	There's no possibility

13. Disposal Considerations

For small amounts dilute 1000 times before running into waste.	
Large amounts should be contained and disposed as per local government agreed method.	
Disposal of packaging	Recycle or provide to drum collectors.

14. Transport Information

UN No:	3082
Substance identity no	P004
ADR/RID class	Class 9:Irritant gel
IMGD – packaging group	///
Marine Pollutant	No
IMO/IMGD Classification	Class 9 irritant gel
IATA Classification	Class 9 irritant gel

15. Regulatory Information

EC Classification	Irritant (Xi)
EC Risk phrases	R22/36/37
EC Safety phrases	S24/25

16. Other Information

Issued by: Nico Beneke
EMERGENCY NUMBERS: 082 800 32 38/ 051 434 3055

The information in this MSDS is based on current knowledge and experience at the date of publication. This MSDS summarises our best knowledge of the health and safety hazard information of the product regarding the precautionary handling, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification of the product. The data relates only the specific product designated, and does not relate to use of the product in combination with any other material or use of the product in any process. The data is not intended to constitute performance information concerning the product.