

GEARTH GEARTH Solar Solutions

MATERIAL SAFETY DATA SHEET

Proprietary biodegradable surfactant blend for cleaning solar panels, evacuated solar tubes and flat-plate solar heater panels.

1 IDENTIFICATION OF THE MATERIAL	
Product Name	GEARTH Solar Solutions
Description	Proprietary biodegradable surfactant blend for solar panel and collector cleaning.
Product Packaging	5 L, 25 L, 210 L
Supplier	GEARTH (Pty) Ltd
Address	96 Lazy River Road, Centurion, 0157, Gauteng, South Africa
Website / Email	www.gearth.co.za info@earth.co.za
EMERGENCY CONTACTS	
GEARTH Office:	021 004 8183
Emergency Cell:	066 214 2274
2 COMPOSITION / INFORMATION ON INGREDIENTS	
Hazardous Ingredients	None.
CAS Number	Not applicable.
Proportion	Not applicable.
3 HAZARDS IDENTIFICATION	
Hazard Classification	Non-Hazardous, Non-Dangerous.
Risk Phrases	None allocated.
Safety Phrases	None allocated.
4 FIRST AID MEASURES	
Inhalation	Move victim to fresh air.
Skin	Remove contaminated clothing and wash skin thoroughly with soap and water. If irritation persists, transport to hospital or doctor.
Eyes	Flush with plenty of water ensuring eyelids are held open, for 15 minutes. Seek medical attention.
Ingestion	Rinse mouth with water. Do NOT induce vomiting. Give water to drink slowly. Seek medical attention.
First Aid Facilities	Eye wash station and normal washroom facilities.
5 FIRE FIGHTING MEASURES	
Extinguishing Media	Use extinguishing media appropriate to surrounding fire.
Special Method	Fire fighters to wear self-contained breathing apparatus in confined spaces or oxygen-deficient atmospheres. Full protective clothing recommended.
Specific Hazards	Material is non-flammable.
6 ACCIDENTAL RELEASE MEASURES	
Emergency Procedures	Material may be slippery when spilt. Walk cautiously. Ventilate area. Wear protective equipment.

Spills & Disposal	Bund area using sand or soil to prevent run-off into drains and waterways. Use absorbent material (soil, sand, vermiculite). Collect and seal in properly labelled containers.
7 HANDLING AND STORAGE	
Safe Handling & Storage	Store in a cool place, out of direct sunlight. Keep away from heat or ignition sources and oxidising agents. Keep containers closed. Store in original manufacturer-approved packages.
8 EXPOSURE CONTROLS / PERSONAL PROTECTION	
Engineering Controls	No specific exposure standards available for this product.
Eye/Face Protection	Safety goggles.
Skin Protection	Chemical-resistant gloves recommended.
Respiratory Protection	Not required under normal use.
9 PHYSICAL AND CHEMICAL PROPERTIES	
Form	Liquid.
Appearance & Colour	Clear.
Odour	None.
Solubility in Water	Miscible.
Specific Gravity	Approx. 1
pH Value	6–7
Temperature Range	6°C – 43°C
Flash Point	Not applicable.
Flammability	Non-flammable.
10 STABILITY AND REACTIVITY	
Chemical Stability	Stable under normal conditions of use.
Conditions to Avoid	Heat, flames, ignition sources and incompatibles.
Materials to Avoid	Strong acids, alkalis, most metals and oxidising agents.
Hazardous Decomposition	Decomposes on heating emitting soot, smoke and decomposition products.
Hazardous Reactions	Will not occur.
11 TOXICOLOGICAL INFORMATION	
General	No adverse health effects expected if handled in accordance with this MSDS.
Inhalation	May cause irritation to mouth, throat and stomach.
Ingestion	May cause irritation to mouth, throat and stomach.
Skin	May cause irritation to the skin.
Eyes	May cause irritation to the eyes.
12 ECOLOGICAL INFORMATION	
Ecotoxicity	No data available.
Persistence / Degradability	Biodegrades readily under aerobic and anaerobic conditions.
Mobility	No data available.
13 DISPOSAL CONSIDERATIONS	
Disposal Methods	Contact the Land Waste Management Authority in your area.
Container Disposal	Dispose in compliance with local authority requirements.

14 TRANSPORT INFORMATION

Shipping Name	N/A
Hazard Class	Not classified as Dangerous Goods for transport by Road, Rail or Air.
Packing Group	N/A

15 REGULATORY INFORMATION

R-Phrase	N/A
S-Phrase	S23.2 – Do not breathe vapour. S26 – In case of eye contact, rinse with water. S45 – In case of accident, seek medical advice.
Classification	Product has been classified as non-hazardous according to GHS criteria.

16 OTHER INFORMATION

This MSDS summarises GEARTH's best knowledge of the health and safety hazard information available for this product and the measures required to handle and use it safely. Each user should read this MSDS in connection with their specific application and intended use.

Disclaimer: The information provided is correct to the best of our knowledge at the date of publication. It is intended only as guidance for safe handling, use, processing, storage, transportation, disposal and release, and is not a warranty or quality specification. GEARTH (Pty) Ltd shall not be held liable for any damage resulting from handling or contact with this product.

Document Reference:

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