



MULTI-USE

MATERIAL SAFETY DATA SHEET

IDENTIFICATION OF THE MATERIAL

PRODUCT:	GREENMAN MULTI-USE
PRODUCT APPLICATION:	<i>Biological preparation with surfactants for degreasing, cleaning and odour reduction.</i>
PRODUCT PACKAGING:	<i>5,25l & 210l</i>
APPLICATION FEED RATE:	<i>Dosages to be determined by formulator.</i>

HAZARDOUS IDENTIFICATION

Product has been classified as non-hazardous.

HAZARD CATEGORY:	<i>None allocated.</i>
HAZARD CLASSIFICATION :	<i>Non-hazardous, non-dangerous.</i>
RISK PHRASES:	<i>None allocated.</i>
SAFETY PHRASES:	<i>None allocated.</i>
POISON SCHEDULE:	<i>None allocated.</i>
WARNING STATEMENT:	<i>None indicated.</i>

COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS:	<i>None</i>
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FIRST AID MEASURES

SWALLOWED:	<i>If swallowed, DO NOT induce vomiting. Give 3 to 4 glasses of water to drink. If irritation persists transport to hospital or doctor.</i>
EYE:	<i>If material enters the eyes, flush with plenty of water for at least 15 minutes, ensuring eyelids are held open. If irritation persists, transport to hospital or doctor.</i>
SKIN:	<i>If material falls onto the skin, remove any contaminated clothing and wash skin thoroughly with soap and water. If irritation persists, transport to hospital or doctor.</i>
INHALED:	<i>Move victim to fresh air.</i>
FIRST AID FACILITIES:	<i>Eye wash fountain, safety shower and normal wash room facilities.</i>

FIRE FIGHTING MEASURES

FIRE/EXPLOSION HAZARD:	<i>If safe to do so, move undamaged containers from fire area.</i>
FIRE FIGHTING PROCEDURES:	<i>Firefighters to wear self-contained breathing apparatus in confined spaces, in oxygen deficient atmospheres or if exposed to products of decomposition. Full protective clothing is also recommended.</i>
EXTINGUISHING MEDIA:	<i>Use extinguishing media suitable for surrounding fire situation.</i>
HAZCHEM CODE:	<i>None allocated.</i>
FLAMMABILITY:	<i>Material is non-flammable or combustible liquid.</i>

ACCIDENTAL RELEASE MEASURES

Material may be slippery when spilt. Walk cautiously. Ventilate area. Wear protective equipment to prevent skin and eye contact as outlined under personal protection in this MSDS. Bund area using sand or soil - to prevent run off into drains and waterways. Use absorbent (soil, sand, vermiculite or other inert material). Collect and seal in properly labelled containers for disposal.

HANDLING AND STORAGE

Store in a cool place and out of direct sunlight. Store away from sources of heat or ignition. Store away from oxidizing agents. Keep containers closed, when not using the product. Store in original packages as approved by manufacturer.

EXPOSURE CONTROLS / PERSONAL PROTECTION

No exposure standards are available for this product; however, the following exposure standards have been assigned to the following components of the product:

Product	CAS Number	Ratio
ALKYLPOLYGLYCOSIDE C8-10	68515-73-1	<10 - 30
ALKYLPOLYGLYCOSIDE C10-16	110615-47-9	<10 - 30
VIABLE BACTERIAL CULTURES	N/A	>1
ALKYLBENZENESULFONI ACID	68584-22-5	<5 - 10
FRAGRANCE	N/A	>1
GLOVES:	PVC or natural rubber. Impervious gloves.	
EYES:	Chemical goggles or face shield.	
RESPIRATORY PROTECTION:	Does not apply, as not harmful.	
VENTILATION:	Not applicable.	
EXPOSURE LIMITS:	Not applicable as not harmful.	

PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Milky to Opaque.
ODOUR:	Clinical
pH:	5.5 - 8.5
TEMPERATURE RANGE:	6°C - 43°C
STABILITY:	1 year+ stored at 5°C - 30°C.
SPECIFIC GRAVITY:	Approximately 1.
FLASH POINT & FLAMMABILITY:	Not applicable.
SOLUBILITY IN WATER:	Miscible

STABILITY AND REACTIVITY

STABILITY:	Stable under normal conditions of use.
HAZARDOUS DECOMPOSITION:	Decomposes on heating emitting soot, smoke and decomposition products.
HAZARDOUS POLYMERIZATION:	Will not occur.
INCOMPATIBILITIES:	Strong acids, alkalis, most metals and oxidizing agents.
CONDITIONS TO AVOID:	Heat, flames, ignition sources and incompatibles.

TOXICOLOGICAL INFORMATION

No adverse health effects are expected, if the product is handled in accordance with this MSDS and the product label. Symptoms and effects that may arise if the product is mishandled and overexposure occurs are:

ACUTE HEALTH EFFECTS

SWALLOWED:

May cause irritation to mouth, throat and stomach with effects including mucous build up, irritation to the tongue and lips and pains in the stomach, which may lead to nausea, vomiting and diarrhoea.

EYE:

May cause irritation to the eyes, with effects including tearing, pain, stinging and blurred vision.

SKIN:

May cause irritation to the skin.

INHALED:

Mists from the product may cause irritation to the nose, throat and respiratory system with effects including dizziness and headaches.

CHRONIC:

Prolonged or repeated skin contact may lead to dermatitis.

TOXICOLOGICAL DATA:

No toxic effects are likely to occur.

ECOLOGICAL INFORMATION

ECOTOXICITY:

No data available.

MOBILITY:

No data available.

PERSISTENCE/DEGRADABILITY:

Biodegrades readily under aerobic and anaerobic conditions.

CHEMICAL FATE INFORMATION:

No data available.

This substance may cause long term adverse effects in the aquatic environment.

This substance may cause long term adverse effects in the environment.

However, when used in accordance with the instructions, controlled release of this product is not expected to cause environmental contamination.

DISPOSAL CONSIDERATION

Contact the Land Waste Management Authority in your area.

TRANSPORT INFORMATION

Not classified as a Dangerous Goods for the Transport of Dangerous Goods by Road and Rail.

REGULATORY INFORMATION

SAFETY PHRASES

S23.2:

Do not breathe vapour.

S26:

In case of contact with eyes, rinse with water.

S45:

In case of accident, seek medical advice immediately.

Product has been classified as non-hazardous according to the criteria.

OTHER INFORMATION

This MSDS summarises our best knowledge of the health and safety hazard information available on the product and the measures to be used to handle and use the product safely. Each user should read this MSDS and consider the information in connection with the way the product is intended to be handled or used.

ORDERING INFORMATION

PRODUCT NAME:
COMPANY IDENTIFICATION:

GREENMAN MULTI-USE
Greenman International
4 Days Walk
Pinelands, Cape Town
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Tel: +27 (0) 86 099 5233
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