

GEARTH GEARTH KitchenGuard

MATERIAL SAFETY DATA SHEET

Food industry approved cleaner and degreaser — sodium metasilicate-based alkaline formulation.

1 IDENTIFICATION OF THE MATERIAL

Product Name	GEARTH KitchenGuard
Description	Food industry approved cleaner and degreaser.
Product Packaging	5 L, 25 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 Ingredient	Sodium Metasilicate
CAS Number	10213-79-3
OSHA Hazard	YES — > 10%
Nonionic Surfactant	1–5%
Anionic Surfactant	1–5%
Main Hazard	Irritant — H315, H319

3 HAZARDS IDENTIFICATION

Hazardous Information	Irritation to eyes and skin.
Flammability	Non-combustible.
Chemical Hazard	Should not be mixed with other chemicals without express agreement.
Biological Hazard	None.
Reproductive Hazard	None.
Health Effect – Eyes	Harmful. Flush directly with water.
Health Effect – Skin	May dry out skin with prolonged use.
Health Effect – Ingested	May irritate throat and cause gastrointestinal disturbances (irritation, nausea, diarrhoea).
Health Effect – Inhaled	None.
Carcinogenicity	Not known.
Mutagenicity	Not known.
Neurotoxicity	Not known.

4 FIRST AID MEASURES

Inhalation	None.
Skin	Wash thoroughly with water.
Eyes	Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes. Seek immediate medical attention.

Ingestion	Get medical advice immediately. Give water; do not induce vomiting.
Medical Conditions	Skin contact may aggravate existing skin disease.
5 FIRE FIGHTING MEASURES	
Extinguishing Media	Carbon dioxide / dry regular foam.
Special Procedures	Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing. Dispose of fire control water appropriately.
Unusual Fire/Explosion Hazards	Not combustible.
Hazardous Decomposition	Methanol in water and in processing; CO2 if burned.
6 ACCIDENTAL RELEASE MEASURES	
Evacuation & Safety	Wear appropriate protective gear. See Section 8 for personal protection.
Environmental Concerns	Does not contain alkyl phenol ethoxylates — no adverse endocrine-disruptive effects.
Small Spills	Absorb/adsorb with sand or other suitable material.
Large Spills	Contain with absorbent. Transfer to suitable containers for disposal.
7 HANDLING AND STORAGE	
Suitable Containers	HD Polyethylene containers.
Handling / Storage	Do not get onto skin or eyes. Store in a cool place.
8 EXPOSURE CONTROLS / PERSONAL PROTECTION	
Engineering Controls	Ventilate or use self-contained breathing apparatus where ventilation is insufficient. Eye wash fountains and emergency showers should be available.
Respiratory Protection	Not applicable.
Eye/Face Protection	Wear goggles and face shield.
Skin Protection	Wear a protective apron.
9 PHYSICAL AND CHEMICAL PROPERTIES	
Form	Liquid.
Appearance & Colour	Yellow.
Odour	None.
pH Value	10–11
Boiling Point	Not known.
Melting Point	Not known.
Flash Point	Not known.
Flammability	Non-flammable.
Solubility – Water	Soluble in all proportions.
10 STABILITY AND REACTIVITY	
Chemical Stability	Stable under normal conditions of use.
Conditions to Avoid	High temperatures, flames and sparks.
Incompatible Materials	May react with strong acids and strong oxidising agents.
Hazardous Decomposition	Methanol in water and in processing; CO2 if burned.
11 TOXICOLOGICAL INFORMATION	
Acute Toxicity	Dermal: Not available. Respiratory: Not available. Inhalation: Not available.

Skin and Eye Contact	Irritant. Harmful to eyes. Skin irritant.
Chronic Toxicity	Ingestion may result in nausea, vomiting, abdominal pain, diarrhoea, dizziness and drowsiness.
Carcinogenicity	Nil.
Reproductive Hazards	Nil.
Mutagenicity	Nil.

12 ECOLOGICAL INFORMATION

Aquatic Toxicity – Fish	Non-Toxic*
Aquatic Toxicity – Daphnia	Non-Toxic*
Aquatic Toxicity – Algae	Non-Toxic*
Biodegradability	Yes.
Bioaccumulation	No.
Note	*Aquatic toxicities refer to final effluent diluted > 1 000x the supplied product concentration via oil separator.

13 DISPOSAL CONSIDERATIONS

Disposal Methods	Refer to local authority.
Container Disposal	Refer to local authority.

14 TRANSPORT INFORMATION

Transported	As a multi-load.
Emergency Response Group	111
Hazard Class	Not classified as Dangerous Goods.

15 REGULATORY INFORMATION

Main Risk	Xi — Irritant
R-Phrases	R36/38
S-Phrases	S2, S24/25, S26, S37/39
Risk Phrases	H315, H319 — Irritating to skin and eyes.
Safety Phrases	Keep out of reach of children. Avoid contact with skin and eyes. In case of eye contact, rinse immediately with plenty of water and seek medical advice. Wear suitable gloves and eye/face protection.

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.

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