

GEARTH GEARTH PureOxy Stain

MATERIAL SAFETY DATA SHEET

Eco bleaching and stain removal powder — sodium percarbonate formulation for clothes, mops, rags, cutlery, clothing and cutting boards.

1 IDENTIFICATION OF THE MATERIAL

Product Name	GEARTH PureOxy Stain
Description	Eco bleaching and stain removal powder — sodium percarbonate formulation.
Product Packaging	30 g, 1 kg, 5 kg, 20 kg
Supplier	GEARTH (Pty) Ltd
Address	96 Lazy River Road, Centurion, 0157, Gauteng, South Africa
Website / Email	www.gearth.co.za info@gearth.co.za

EMERGENCY CONTACTS

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2 COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	Sodium Percarbonate
CAS Number	15630-89-4
Content %	100%
Toxicological Data	Oral LD50 (Rat): 2 400 mg/kg; Oral LD50 (Mouse): 2 200 mg/kg

3 HAZARDS IDENTIFICATION

Main Hazard	Irritant. Powerful oxidising agent — may ignite oxidisable materials.
Health Effects – Eyes	Irritant. Inflammation characterised by redness, watering and itching.
Health Effects – Skin	Slightly irritant. Prolonged exposure may result in skin burns and ulcerations.
Health Effects – Inhalation	Overexposure may cause respiratory irritation.
Health Effects – Ingestion	Hazardous.
Developmental Toxicity	Not available.
Carcinogenicity	Not available.
Mutagenicity	Not available.
Signal Word	Warning
Hazard Statements	H315 — Skin irritant. H319 — Eye irritant. H272 — May intensify fire (oxidiser).

4 FIRST AID MEASURES

Eyes	Check for and remove contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Seek medical attention.
Inhalation	Allow victim to rest in a well-ventilated area. Seek immediate medical attention. For serious inhalation: evacuate to a safe area, loosen tight clothing, administer oxygen if breathing is difficult. Seek medical attention.
Skin	Wash immediately with plenty of water. Gently wash contaminated skin with running water and non-abrasive soap. Cold water may be used. Cover irritated skin with an emollient. If irritation persists, seek medical attention.
Ingestion	Do not induce vomiting. Loosen tight clothing. Seek immediate medical attention.

5 FIRE FIGHTING MEASURES

Flammability	Non-flammable.
Auto-Ignition Temperature	Not applicable.
Flash Point	Not applicable.
Special Remarks	Do not allow water to enter container — violent reaction may result. Keep container tightly closed. Powerful oxidising agent — may ignite oxidisable materials.
Extinguishing Media	Not applicable (non-flammable). Use water to cool surrounding areas.

6 ACCIDENTAL RELEASE MEASURES

Small Spill	Use appropriate tools to put the spilled solid into a convenient waste disposal container. Neutralise residue with a dilute solution of acetic acid if necessary.
Large Spill	Oxidising material — stop leak if without risk. Avoid contact with combustible materials (wood, paper, oil, clothing). Keep substance damp using water spray. Do not touch spilled material. Prevent entry into sewers and confined areas. Call for disposal assistance. Neutralise residue with a dilute solution of acetic acid.

7 HANDLING AND STORAGE

Handling Precautions	Keep away from heat, sources of ignition and combustible materials. Do not ingest. Do not breathe dust. Wear suitable respiratory equipment if ventilation is insufficient. Avoid contact with skin, eyes and incompatibles (reducing agents, organic materials, metals, acids, moisture).
Storage	Oxidising materials should be stored in a separate safety storage cabinet or room.
Suitable Containers	HD Polyethylene containers.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits	Not available.
Engineering Controls	Use process enclosures, local exhaust ventilation, or other controls to keep airborne levels below recommended limits. If operations generate dust or mist, use ventilation.
Gloves	Recommended.
Goggles	Recommended.
Respirator	Recommended.
PPE for Large Spill	Splash goggles, full suit, dust respirator, boots, gloves, self-contained breathing apparatus.

9 PHYSICAL AND CHEMICAL PROPERTIES

Form	Solid.
Appearance & Colour	White crystal solid.
Odour	Odourless.
Taste	Acrid (slight).
Solubility	Soluble in hot water; partially soluble in cold water; insoluble in diethyl ether and n-octanol.
pH Value (1% solution)	10 (Basic)
Boiling Point	Not available.
Melting Point	Not available.
Vapour Pressure	Not applicable.
Stability	Product is stable.

10 STABILITY AND REACTIVITY

Stability	Product is stable.
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Incompatibility	Highly reactive with reducing agents and acids. Reactive with organic materials, metals and moisture.
Corrosivity	Corrosive in presence of aluminium, zinc and copper. Slightly corrosive in presence of steel. Non-corrosive in presence of glass.
Polymerisation	Will not occur.

11 TOXICOLOGICAL INFORMATION

Routes of Entry	Eye contact, inhalation and ingestion.
Acute Oral Toxicity	LD50 (Mouse): 2 200 mg/kg
Chronic Effects	Not available.
Other Toxic Effects	Very hazardous in case of skin contact (irritant). Hazardous in case of ingestion and inhalation. Material is irritating to mucous membranes and upper respiratory tract.

12 ECOLOGICAL INFORMATION

Biodegradability	Possibly hazardous short-term degradation products not likely. Long-term degradation products may arise. Degradation products may be more toxic.
Ecotoxicity	Not available.

13 DISPOSAL CONSIDERATIONS

Disposal Methods	Not available — contact local waste management authority for guidance.
Container Disposal	Contact local waste management authority.

14 TRANSPORT INFORMATION

DOT Classification	CLASS 5.1 — Oxidising material.
UN Number	UN 1479
Identification	Oxidising Solid, n.o.s. (Sodium Percarbonate) — UN1479, PG III

15 REGULATORY INFORMATION

EEC Hazard Classification	R38 — Irritating to skin. R41 — Risk of serious damage to eyes.
HMIS Health Hazard	2
HMIS Reactivity	2
NFPA Health	2 Flammability: 0 Reactivity: 2
Protective Equipment	Gloves, lab coat, dust respirator, splash goggles.
OSHA	Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

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:
GEARTH-MSDS-PureOxyStain-001

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