GEARTH

SAFETY DATA SHEET

PureOxy Stain

GHS REV 10

1 Identification

Product identifier	PureOxy Stain
Other means of identification	No data available
Recommended use	Eco-friendly oxygen bleach — bleaching and stain removal for cloths, mops, rags, cutlery, clothing and cutting boards.
Restrictions on use	No data available
Supplier	GEARTH (Pty) Ltd, 96 Lazy River Road, Centurion 0157, Gauteng, South Africa
Telephone	012 004 8183 | info@gearth.co.za
Emergency telephone number	**066 214 2274 (24 hours)**

2 Hazards identification

2.1 Classification of the substance or mixture

GHS classification	Not classified under GHS Rev 10 by the source data. Source assessment: irritant; powerful oxidising agent (may ignite oxidisable materials). Source EEC phrases: R38 irritating to skin; R41 risk of serious damage to eyes. HMIS: health 2, fire 0, reactivity 2.

2.2 Label elements

Hazard pictograms	No data available
Signal word	No data available
Hazard statements	No data available
Precautionary — prevention	Keep away from heat, ignition sources and combustible material. Do not ingest; do not breathe dust; avoid contact with skin and eyes. Wear suitable respiratory equipment where ventilation is insufficient (source handling precautions).
Precautionary — response	If ingested, seek medical advice immediately and show the container or label (source data).
Precautionary — storage	No data available
Precautionary — disposal	No data available

2.3 Other hazards

OTHER HAZARDS DISCLOSURE

Powerful oxidising agent — may ignite oxidisable materials; do not allow water to enter the container (violent reaction); keep container tightly closed. Corrosive in presence of aluminium, zinc and copper; slightly corrosive to corrosive in presence of steel (source data).

3 Composition / information on ingredients

Ingredient	CAS no.	EC no.	Conc. % (w/w)	Classification
Sodium percarbonate	15630-89-4	No data available	100	Oxidising material (source DOT class 5.1); R38, R41 (source EEC phrases)
Total			**100**	

Exact composition percentages are withheld as a trade secret in accordance with the HCA Regulations, 2021. The classification of withheld components is reflected above.

4 First-aid measures

4.1 Description of first-aid measures

Inhalation	Allow the victim to rest in a well-ventilated area; seek immediate medical attention. Serious inhalation: evacuate to a safe area, loosen tight clothing; if breathing is difficult administer oxygen; if not breathing, give artificial respiration; seek medical attention.
Skin contact	Wash immediately with plenty of water and non-abrasive soap, cleaning folds, crevices, creases and groin thoroughly; cover irritated skin with an emollient. Serious contact: wash with disinfectant soap, cover with anti-bacterial cream and seek medical attention.
Eye contact	Check for and remove contact lenses. Immediately flush with running water for at least 15 minutes, keeping eyelids open; do not use eye ointment. Seek medical attention.
Ingestion	Do not induce vomiting. Loosen tight clothing. If not breathing, give artificial respiration. Seek immediate medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects	Eyes: inflammation with redness, watering and itching. Skin: slight irritation; prolonged exposure may cause burns and ulcerations, with itching, scaling, reddening or blistering. Inhalation: respiratory irritation. Ingestion: hazardous.

4.3 Indication of any immediate medical attention and special treatment needed

Medical attention	Treat symptomatically.

5 Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media	Not applicable per source — product is non-flammable.
Unsuitable extinguishing media	Do not allow water to enter the container — violent reaction (source data).

5.2 Special hazards arising from the substance or mixture

Specific hazards / hazardous combustion products	Powerful oxidising agent; may ignite oxidisable materials.

5.3 Advice for firefighters

Protective equipment for firefighters	No data available

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures	Large spill PPE (source data): splash goggles, full suit, dust respirator, boots, gloves; self-contained breathing apparatus to avoid inhalation. Consult a specialist before handling large spills.
Environmental precautions	Prevent entry into sewers, basements or confined areas; dike if needed.
Methods and material for containment and cleaning up	Small spill: transfer the solid to a suitable waste container; neutralise residue with a dilute solution of acetic acid if necessary. Large spill: oxidising material — stop the leak if without risk, avoid contact with combustibles (wood, paper, oil, clothing), keep the substance damp using water spray, do not touch spilled material; call for disposal assistance and neutralise residue with dilute acetic acid.

7 Handling and storage

7.1 Precautions for safe handling

Safe handling	Keep away from heat, ignition sources and combustible material. Do not ingest; do not breathe dust; avoid contact with skin and eyes. Wear suitable respiratory equipment where ventilation is insufficient. Keep away from incompatibles: reducing agents, organic materials, metals, acids, moisture.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions	Oxidising materials should be stored in a separate safety storage cabinet or room. HD polyethylene containers.
Packaging	30 g, 1 kg, 5 kg and 20 kg.
Shelf life	No data available
Incompatibilities	No data available

8 Exposure controls / personal protection

8.1 Control parameters — occupational exposure limits

Substance	OEL type	Value	Source
Sodium percarbonate	—	Not available (source statement)	HCA Regs 2021 Annexure 2

8.2 Appropriate engineering controls

Engineering controls	Use process enclosures, local exhaust ventilation or other engineering controls to keep airborne levels below recommended exposure limits; ventilate where dust, fume or mist is generated.

8.3 Individual protection measures

Eye / face protection	Goggles recommended.
Skin / hand protection	Gloves recommended. Glove material: No data available; breakthrough time: No data available
Respiratory protection	Respirator recommended; required where ventilation is inadequate. Filter type: Dust respirator (approved / certified)
Thermal hazards	No data available

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	Solid (white crystal)
Colour	White
Odour	Odourless
Melting point / freezing point	Not available (source data)
Boiling point or initial boiling point and boiling range	Not available (source data)
Flammability	Non-flammable
Lower and upper explosion limit / flammability limit	Not applicable per source
Flash point	Not applicable per source
Auto-ignition temperature	Not applicable per source
Decomposition temperature	No data available
pH (concentration and temperature stated)	10 (1% solution in water; basic)
Kinematic viscosity	No data available
Solubility	Soluble in hot water; partially soluble in cold water; very slightly soluble in methanol; insoluble in diethyl ether and n-octanol
Partition coefficient n-octanol/water (log Kow)	No data available
Vapour pressure	Not applicable per source
Density and/or relative density	Specific gravity not available (source data)
Relative vapour density	Not available (source data)
Particle characteristics	Crystalline solid; avoid dust generation

9.2 Other information

Explosive properties	No data available
Oxidising properties	Powerful oxidising agent (source data)
Bulk density	No data available
Active solids	No data available

10 Stability and reactivity

Reactivity	Highly reactive with reducing agents and acids; reactive with organic materials, metals and moisture.
Chemical stability	Product is stable.
Possibility of hazardous reactions	Violent reaction if water enters the container. Polymerisation: no.
Conditions to avoid	Heat, ignition sources, moisture, contact with combustibles and incompatibles.
Incompatible materials	Reducing agents, acids, organic materials, metals, moisture. Corrosive in presence of aluminium, zinc, copper; slightly corrosive to steel; non-corrosive to glass.
Hazardous decomposition products	No data available

11 Toxicological information

Likely routes of exposure	Eye contact, inhalation and ingestion (source data).
Symptoms related to exposure	Very hazardous in case of skin contact (irritant); hazardous in case of ingestion or inhalation; slightly hazardous as skin sensitiser; irritating to mucous membranes and upper respiratory tract.
Delayed and chronic effects	Not available (source statement).

Numerical measures of toxicity

Endpoint	Species	Route	Value
LD50 (acute oral)	Rat	Oral	2400 mg/kg (sodium percarbonate; source data)
LD50 (acute oral)	Mouse	Oral	2200 mg/kg (sodium percarbonate; source data)

Values relate to sodium percarbonate (the sole declared ingredient) as printed in the source MSDS.

Acute toxicity — dermal	No data available
Acute toxicity — inhalation	No data available
Skin corrosion / irritation	Irritating to skin — R38 (source data; slight irritant, burns possible on prolonged exposure).
Serious eye damage / irritation	Risk of serious damage to eyes — R41 (source data).
Respiratory sensitisation	No data available
Skin sensitisation	Slightly hazardous in case of skin contact (sensitiser) (source data).
Germ cell mutagenicity	Not available (source statement).
Carcinogenicity	Not available (source statement).
Reproductive toxicity	No data available
STOT — single exposure	No data available
STOT — repeated exposure	No data available
Aspiration hazard	No data available

12 Ecological information

Aquatic toxicity

Species	Endpoint	Value	Duration
No data available	No data available	No data available	No data available

Source states ecotoxicity not available.

Persistence and degradability — method	No data available
Persistence and degradability — result	Possibly hazardous short-term degradation products are not likely; long-term degradation products may arise. The products of degradation are more toxic (source statements).
Bioaccumulative potential	No data available
Mobility in soil	No data available
Other adverse effects	No data available

13 Disposal considerations

Waste residues	No data available
Disposal methods	No data available
Contaminated packaging	No data available
Waste classification (NEM:WA 59 of 2008, GN R635)	No data available

14 Transport information

Mode	UN no.	Proper shipping name	Class	PG
Road (SANS 10228 / ADR)	UN 1479 (source DOT data — verify for SANS 10228 / ADR)	Oxidizing solid, n.o.s. (sodium percarbonate) (source DOT data)	5.1 (source DOT data)	III (source DOT data)
Rail (RID)	Not applicable	Not applicable	Not applicable	Not applicable
Sea (IMDG)	No data available	No data available	No data available	No data available
Air (IATA)	No data available	No data available	No data available	No data available

Marine pollutant	No data available
Transport in bulk (IMO instruments)	Not applicable
Special precautions for user	Source transport data is US DOT (UN 1479, class 5.1, PG III); SANS 10228 / ADR / RID / IMDG / IATA assignments to be confirmed. Keep away from combustibles and moisture in transit.

15 Regulatory information

Safety, health and environmental regulations specific to the product	Occupational Health and Safety Act 85 of 1993; Regulations for Hazardous Chemical Agents, 2021; NEM:WA 59 of 2008; Source citations: OSHA Hazard Communication Standard (29 CFR 1910.1200); EINECS listed; WHMIS (Canada) Class C (oxidising material) and D-2B; TSCA 8(b) inventory.
NRCS VC 8054 status	No data available
Ecolabel certification	No data available
Chemical safety assessment	No data available

16 Other information

Date of preparation	18 August 2026
Latest revision	Rev 1.0, 18 August 2026
Summary of changes	First GEARTH issue (Rev 1.0). Safety content transferred unchanged from the source manufacturer's MSDS (dated 29 June 2022; source product Oxy Stain); no data re-tested or re-derived.
Full text of hazard (H) statements	No data available
Full text of precautionary (P) statements	Use in well-ventilated areas. Prevent eye contact and ingestion. If ingested, seek medical advice immediately and show the container or label.
Key to abbreviations	GHS — Globally Harmonized System; OEL — occupational exposure limit; STOT — specific target organ toxicity; PG — packing group; SG — specific gravity; CAS — Chemical Abstracts Service; HCA — hazardous chemical agents.
Classification method	Hazard information carried over from the source manufacturer's assessment (pre-GHS format). Classification against UN GHS Rev 10 criteria to be confirmed.
Training advice	Use only according to the instructions for use. Personnel handling the concentrate should be familiar with the first-aid and spill measures in Sections 4 and 6.
Disclaimer	This information is based on present knowledge and describes the product for the purposes of health, safety and environmental requirements only. It does not constitute a guarantee of the properties of the product. Final determination of suitability for any use is the sole responsibility of the user.

SIGN-OFF

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