Safety Data Sheet

Oxybrite

1. Identification of the substance/mixture and supplier

Product Name	Oxybrite
Other names	
Recommended Uses	Oxygenated safety bleach
Supplier **Street address**	Hygiene Technologies Ltd 28 Rangitane Road, Whakatu, Hastings 4172 New Zealand
Freephone Number **Telephone Number** **Facsimile** **Email**	0800 732 525 (06) 876 4111 (06) 878 3802 info@hygienetech.co.nz
Emergency Telephone	NZ Fire Service - 111 National Poisons Centre – 0800 764 766 (0800 POISON)

2. Hazards Identification

Dangerous Goods	Not classified as a Dangerous Good according to NZS5433:2020 "Transport of Dangerous Goods on Land".
Hazardous Substances	Classified as hazardous according to criteria in the Hazardous Substances (Hazard Classification) Notice 2020.
Signal Word	**WARNING**
Hazard Classifications	Acute Toxicity (Oral) – Category 4 Skin Irritation – Category 2 Eye Irritation – Category 2A
Hazard Statements	Harmful if swallowed. Causes skin irritation. Causes serious eye irritation.
Precautionary Statements	Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves and eye protection.
Response Statements	IF SWALLOWED: Call a POISON CENTRE or doctor if you feel unwell. Rinse mouth. IF ON SKIN: Wash with plenty of water. Specific treatment (see Section 4 of this SDS). If skin irritation occurs: Get medical attention. Take off contaminated clothing and wash it before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
Storage	Store locked up, in accordance with local regulatory requirements.
Disposal	Dispose of contents/container in accordance with local regulations.

3. Composition/Information on Ingredients

Contents	CAS Number	Proportion
Carbonic acid, disodium salt, compound with hydrogen peroxide (H2O2)	15630-89-4	30-60%
Sodium carbonate	497-19-8	10-30%
Triphosphoric acid, penta sodium salt	7758-29-4	10-30%
Ingredients that are not hazardous at the concentrations used	NA	to balance

4. First Aid Measures

For advice, contact National Poisons Information Centre (Phone 0800 764 766) or a doctor Have product container or label at hand. Get medical advice/attention if you feel unwell.

Swallowed If swallowed do NOT induce vomiting. Rinse mouth with water. Give water to drink to achieve dilution. Never give anything by mouth to an unconscious person. Immediately call a POISON CENTRE or doctor.

Eye Contact Immediately flush with copious quantities of water for 15 minutes. Eyelids to be held open. Remove clothing if contaminated and wash skin. Urgently seek medical assistance. Transport to hospital or medical centre.

Skin Contact Effects may be delayed. If skin or hair contact occurs, remove contaminated clothing and flush skin with running water. If swelling, redness, blistering or irritation occurs, seek medical attention. For gross contamination, immediately drench with water and remove clothing. Continue to flush skin and hair with plenty of water and soap, if necessary. For skin burns, cover with a clean, dry dressing until medical help is available. If blistering occurs, do NOT break blisters. If swelling, redness, blistering or irritation occurs, seek medical attention.

Inhaled Remove to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTRE or doctor.

Advice to Doctor Treat symptomatically.

5. Fire-fighting Measures

Specific Hazards Non-combustible material.

Suitable Extinguishing Media If material is involved in a fire use water fog (or if unavailable fine water spray),alcohol resistant foam, standard foam, dry agent (carbon dioxide, dry chemical powder).

Fire-fighting advice Non- combustible, however following evaporation of aqueous component residual material can decompose if involved in a fire, emitting toxic fumes. Fire-fighters to wear self-contained breathing apparatus (SCBA) and suitable protective clothing if risk of exposure to products of decomposition. Prevent the contamination of drains and waterways; absorb runoff with sand or similar.

6. Accidental Release Measures

SMALL SPILLS
Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapours or dust. Wipe up with absorbent (clean rag or paper towels). Collect and seal in properly labelled containers or drums for disposal.

LARGE SPILLS
Clear area of all unprotected personnel. Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and the inhalation of dust. Work up wind or increaseventilation. Cover with damp absorbent (inert material, sand or soil). Sweep or vacuum up, but avoid generatingdust. Collect and seal in properly labelled containers or drums for disposal. If contamination of crops, sewers or waterways has occurred advise local emergency services.

Dangerous Goods - Initial Emergency Response Guide No: Not applicable

7. Handling and Storage

Handling advice

Avoid eye contact and skin contact. Avoid inhalation of dust.

Storage advice

Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Store away from sources of heat and/or ignition. Keep container standing upright. Keep containers closed when not in use - check regularly for spills. Store in a cool location, away from heat sources. Store at temperatures below 40ºC.

8. Exposure Controls / Personal Protection

Workplace Exposure Guidelines

No value assigned for this specific material by Worksafe New Zealand.

Biological Limit Values

As per the WorkSafe New Zealand the ingredients in this material do not have a biological limit allocated.

Engineering Controls

Natural ventilation should be adequate under normal use conditions.

Personal Protective Equipment

OVERALLS, GLOVES, SAFETY GLASSES.

Personal protective equipment (PPE) must be suitable for the nature of the work and any hazard associated withthe work as identified by the risk assessment conducted.

Wear overalls, gloves, safety glasses. Available information suggests that gloves madefrom butyl rubber, natural rubber, nitrile rubber, neoprene, polyvinyl chloride (PVC) should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

Hygiene Measures

Keep away from food, drink and animal feeding stuffs. When using do not eat, drink or smoke. Wash hands prior to eating, drinking or smoking. Avoid contact with clothing. Avoid eye contact and skin contact. Avoid inhalation of dust. Ensure that eyewash stations and safety showers are close to the workstation location.

9. Physical and Chemical properties

Physical state	White powder
Odour	Not available
Solubility	Approximately 10-20%
Specific Gravity	Not available
Flash Point (^{0}C)	Not applicable
pH	10.5 (1% solution)
Freezing Point	Not available
Boiling Point	Not available
Vapour Pressure	Not available
Evaporation Rate	Not available

10. Stability and Reactivity

Stability	The sodium percarbonate can decompose if heated above 40ºC.
Conditions to avoid	Elevated temperatures. Store in a cool location.
Incompatible materials	Acids, reducing agents, organic liquids, organic solids combustible materials.
Hazardous decomposition products	Oxides of carbon and nitrogen, smoke and other toxic fumes.
Hazardous reactions	Has oxidising properties but is not classed as an oxidiserfor transport

11. Toxicological information

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

Swallowed	Harmful if swallowed. Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract.
Eye Contact	An eye irritant. Exposure to the dust may cause discomfort due to particulate nature. May cause physical irritation to the eyes.
Skin Contact	Contact with skin will result in irritation. Will have a degreasing action on the skin. Repeated orprolonged skin contact may lead to irritant contact dermatitis.
Inhaled	Material may be an irritant to mucous membranes and respiratory tract.

Toxicological Data

Inhalation	This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients):LC50 > 5.0 mg/L.
Skin Contact	This material has been classified as non-hazardous. Acute toxicity estimate (based oningredients): >5,000 mg/Kg bw.
Ingestion	This material has been classified as a 6.1D - Substances that are acutely toxic. Acute toxicityestimate (based on ingredients): 300 - 2,000 mg/Kg bw.
Corrosion/Irritancy	Eye: this material has been classified as a 6.4A - Substances that are irritating to the eye.Skin: this material has been classified as a 6.3A - Substances that are irritating to the skin.
Sensitisation	Inhalation: this material has been classified as not a respiratory sensitiser. Skin: this material hasbeen classified as not a skin sensitiser.

12. Ecological information

Avoid contaminating waterways.

Aquatic toxicity (Acute): This substance is expected to be slightly harmful to the aquatic environment or are otherwisedesigned for biocidal action. Acute toxicity estimate (based on ingredients): 10 - 100 mg/L

Aquatic toxicity (Chronic): This material has been classified as non-hazardous. Non-rapidly or rapidly degradable substance for which there are adequate chronic toxicity data available OR in the absence of chronictoxicity data, Acute toxicity estimate (based on ingredients): >100 mg/L, where the substance is not rapidly degradable and/or BCF < 500 and/or log K_{ow} < 4.

13. Disposal

Persons conducting disposal, recycling or reclamation activities should ensure that appropriate personalprotection equipment is used, see "Section 8. Exposure Controls and Personal Protection" of this SDS. Recycle wherever possible. Whatever cannot be saved for recovery or recycling should be handled ashazardous waste and sent to an approved waste disposal contractor for disposal in an approved waste facility. Processing, use or contamination of this product may change the waste management options. Dispose of container and unused contents using an approved waste disposal contractor. Care should be taken to ensure compliance with national and local regulations. This product is NOT for disposal by either landfill or via municipal sewers, drains, natural streams or rivers.

Special Precautions: Empty drums should be taken for recycling, recovery or disposal through a suitably qualified or licensed contractor. Observe all safeguards on label and in this SDS until container is cleaned, reconditioned or destroyed. Decontaminate empty containers with water. Dispose of container and unused contents in accordance with local authority requirements. Do not store food stuffs in used containers.

14. Transport information

Road and Rail Transport

Not classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goodsby Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

Marine Transport

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDGCode) for transport by sea.

Air Transport

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) DangerousGoods Regulations for transport by air.

15. Regulatory Information

ERMA (NZ) Approval Code	HSR 002530
Group Standard	Cleaning Products (Subsidiary Hazard) Group Standard 2020
Classifications	Acute Toxicity (Oral) – Category 4 Skin Irritation – Category 2 Eye Irritation – Category 2A

For more information refer to the ERMA website: www.epa.govt.nz

16. Other information

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END OF SDS