



SAFETY DATA SHEET OXIBRITE

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name OXIBRITE

Product number B151

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses An oxidising agent additive which can be used with carpet and fabric cleaning solutions to brighten light colours and help remove tea, coffee, jute and cellulosic browning stains and water marks.

1.3. Details of the supplier of the safety data sheet

Supplier www.prochem.co.uk
Prochem Europe Ltd
Oakcroft Road
Chessington
Surrey
KT9 1RH

Telephone: 020 8974 1515
Fax: 020 8974 1511
sales@prochem.co.uk

1.4. Emergency telephone number

Emergency telephone 020 8974 1515 (office hours 8am to 5pm Monday to Friday) Emergency Action: In the event of a medical enquiry involving this product, please contact your doctor or local hospital accident and emergency department, who may seek advice from the UK National Poisons Information Service, where our full product details are held.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Ox. Sol. 2 - H272

Health hazards Acute Tox. 4 - H302 Eye Dam. 1 - H318

Environmental hazards Not Classified

Human health May cause severe eye irritation. May cause permanent damage if eye is not immediately irrigated. Prolonged or repeated exposure may cause the following adverse effects: skin irritation and dermatitis. Dust may irritate the respiratory system. Inhalation of powder/dust may cause lung oedema. Product is alkaline and may be mildly corrosive to mucous membranes. Ingestion may cause: irritation Gas formation in stomach.

Environmental The product contains a substance which is toxic to aquatic organisms. Danger to the environment is limited as a result of absence of bioaccumulation and its degradability.

Physicochemical Oxidising materials.

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2.2. Label elements

Pictogram



Signal word

Danger

Hazard statements

H272 May intensify fire; oxidiser.
H302 Harmful if swallowed.
H318 Causes serious eye damage.

Precautionary statements

P102 Keep out of reach of children.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P220 Keep away from clothing and other combustible materials.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER/ doctor.
P501 Dispose of contents/ container in accordance with local regulations.

Contains

Sodium percarbonate

2.3. Other hazards

See section 8 for details of exposure limits.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Sodium percarbonate CAS number: 15630-89-4 EC number: 239-707-6 REACH registration number: 01-2119457268-30-XXXX	60-100%
Classification Ox. Sol. 2 - H272 Acute Tox. 4 - H302 Eye Dam. 1 - H318	
Sodium carbonate CAS number: 497-19-8 EC number: 207-838-8 REACH registration number: 01-2119485498-19-XXXX	5-10%
Classification Eye Irrit. 2 - H319	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation

Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.

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Ingestion	Rinse mouth thoroughly with water. Give plenty of water to drink. Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if irritation persists after washing.
Eye contact	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention immediately. Continue to rinse.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation	May cause respiratory system irritation.
Ingestion	Harmful if swallowed. May cause stomach pain or vomiting.
Skin contact	Prolonged skin contact may cause redness and irritation.
Eye contact	May cause blurred vision and serious eye damage. Severe irritation, burning and tearing.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor	Treat symptomatically. If in doubt, get medical attention promptly.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.
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5.2. Special hazards arising from the substance or mixture

Specific hazards	Oxygen. Oxidising. Wetting and decomposition will produce oxygen and heat and will support or accelerate combustion.
Hazardous combustion products	Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

5.3. Advice for firefighters

Protective actions during firefighting	Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Contain and collect extinguishing water.
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Wear protective clothing as described in Section 8 of this safety data sheet. Avoid contact with skin and eyes. Avoid inhalation of dust. Provide adequate ventilation.
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6.2. Environmental precautions

Environmental precautions	Do not discharge into drains or watercourses or onto the ground. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.
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6.3. Methods and material for containment and cleaning up

Methods for cleaning up	Collect powder using special dust vacuum cleaner with particle filter or carefully sweep into suitable waste disposal containers and seal securely. Flush contaminated area with plenty of water. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Collect and place in suitable waste disposal containers and seal securely. For waste disposal, see Section 13.
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6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid spilling. Avoid contact with skin and eyes. Eliminate all sources of ignition. Static electricity and formation of sparks must be prevented. Provide adequate ventilation. Avoid generation and spreading of dust.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Keep away from heat, sparks and open flame. Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep away from flammable and combustible materials. Store at temperatures not exceeding 40°C/104°F.

Storage class Oxidiser storage.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

Sodium percarbonate

Long-term exposure limit (8-hour TWA): NUI 10 mg/m³ total dust

Short-term exposure limit (15-minute): NUI 4 mg/m³ resp.dust

NUI = Nuisance Dust.

DNEL Industry - Dermal; : 12800000 mg/m³
Industry - Inhalation; : 5 mg/m³

PNEC - Fresh water; 0.035 mg/kg

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate ventilation. Avoid inhalation of dust. Observe any occupational exposure limits for the product or ingredients.

Eye/face protection

Side shield safety glasses are recommended when handling this product.

Hand protection

It is recommended that gloves are made of the following material: Nitrile rubber. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. Protective gloves should be inspected for wear before use and replaced regularly in accordance with the manufacturers specifications.

Hygiene measures

Provide eyewash station. Wash contaminated clothing before reuse. Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap and water if skin becomes contaminated.

Respiratory protection

If ventilation is inadequate, suitable respiratory protection must be worn.

SECTION 9: Physical and Chemical Properties

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9.1. Information on basic physical and chemical properties

Appearance	Granules. Powder.
Colour	White.
Odour	Odourless.
Odour threshold	Not determined.
pH	pH (diluted solution): 10.5
Melting point	Not determined.
Initial boiling point and range	Not determined.
Flash point	Not applicable.
Evaporation rate	Not applicable.
Upper/lower flammability or explosive limits	Not applicable.
Vapour pressure	Not applicable.
Vapour density	Not applicable.
Bulk density	850-1200 kg/m ³
Solubility(ies)	Soluble in water. 14 g/100 g water @ 20°C
Partition coefficient	Not determined.
Viscosity	Not determined.
Explosive properties	Not applicable.
Oxidising properties	Oxidising materials.

9.2. Other information

Molecular weight	314.06
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	Reactions with the following materials may generate heat: water
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10.2. Chemical stability

Stability	Stable at normal ambient temperatures and when used as recommended. May react violently with incompatible materials.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Not determined.
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10.4. Conditions to avoid

Conditions to avoid	Avoid contamination or contact with water until ready to use. Avoid heat, flames and other sources of ignition.
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10.5. Incompatible materials

Materials to avoid	Strong acids. Strong alkalis. Strong oxidising agents. Strong reducing agents. Inorganic salts. Water, steam, water mixtures. Flammable/combustible materials.
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10.6. Hazardous decomposition products

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Hazardous decomposition products Wetting and decomposition will produce oxygen and heat and will support or accelerate combustion.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects Dust in high concentrations may irritate the respiratory system. Harmful if swallowed.

Acute toxicity - oral

ATE oral (mg/kg) 1,161.8

Acute toxicity - dermal

Notes (dermal LD₅₀) LD₅₀ >2000 mg/kg, Dermal, Rabbit

Skin corrosion/irritation

Skin corrosion/irritation Prolonged skin contact may cause redness and irritation.

Serious eye damage/irritation

Serious eye damage/irritation Severe irritation. Risk of serious damage to eyes.

Skin sensitisation

Skin sensitisation None known.

Germ cell mutagenicity

Genotoxicity - in vivo No effects expected based upon current data.

Carcinogenicity

Carcinogenicity No effects expected based upon current data.

Reproductive toxicity

Reproductive toxicity - fertility No effects expected based upon current data.

Specific target organ toxicity - single exposure

STOT - single exposure None known.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure None known.

Toxicological information on ingredients.

Sodium percarbonate

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 1,034.0

Species Rat

ATE oral (mg/kg) 1,034.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 2,001.0

Species Rat

ATE dermal (mg/kg) 2,001.0

Sodium carbonate

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Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 2,800.0

Species Rat

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 2,000.0

Species Rabbit

Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀ dust/mist mg/l) 2,300.0

Species Rat

ATE inhalation (dusts/mists mg/l) 2,300.0

SECTION 12: Ecological Information

Ecotoxicity The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

12.1. Toxicity

Ecological information on ingredients.

Sodium percarbonate

Acute aquatic toxicity

Acute toxicity - fish LC50, 96 hours: 70.7 mg/l, Pimephales promelas (Fat-head Minnow)
NOEC, 96 hours: 7.4 mg/l, Pimephales promelas (Fat-head Minnow)

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 4.9 mg/l, Daphnia magna
NOEC, : 2 mg/l, Daphnia magna

Sodium carbonate

Acute aquatic toxicity

Acute toxicity - fish LC50, 96 hours: 300 mg/l, Lepomis macrochirus (Bluegill)

Acute toxicity - aquatic invertebrates EC₅₀, 96 hours: 265 mg/l, Daphnia magna

12.2. Persistence and degradability

Persistence and degradability Significant hydrolysis in water; forms Sodium Carbonate, Carbonic acid and Hydrogen Peroxide.

12.3. Bioaccumulative potential

Bioaccumulative potential The product is not bioaccumulating.

Partition coefficient Not determined.

12.4. Mobility in soil

Mobility The product is soluble in water.

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12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Other adverse effects Not determined.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Empty containers should be rinsed with water then crushed and disposed of at legal waste disposal site.

SECTION 14: Transport information

General Wear protective clothing as described in Section 8 of this safety data sheet.

14.1. UN number

UN No. (ADR/RID) 3378

UN No. (IMDG) 3378

14.2. UN proper shipping name

Proper shipping name (ADR/RID) Sodium Carbonate Peroxyhydrate

Proper shipping name (IMDG) Sodium Carbonate Peroxyhydrate

14.3. Transport hazard class(es)

ADR/RID class 5.1

IMDG class 5.1

Transport labels



14.4. Packing group

ADR/RID packing group III

IMDG packing group III

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

No special storage precautions required. Supplied in accordance with "Limited Quantity" provisions.

EmS F-A, S-Q

ADR transport category 3

Emergency Action Code 1Y

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Hazard Identification Number 50
(ADR/RID)

Tunnel restriction code (E)

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as amended).

EU legislation Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

General information Telephone 020 8974 1515

Revision comments NOTE: Lines within the margin indicate significant changes from the previous revision.

Revision date 30/01/2018

Revision 5

Supersedes date 25/09/2015

Please note: Where abbreviations have been used elsewhere the full text has been written below, for the classification of the product please refer to section 2.

Hazard statements in full H272 May intensify fire; oxidiser.
H302 Harmful if swallowed.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.

Signature Aaron Saunders

For additional information on safety, training and use of this product, contact the supplier. This product is intended for professional use only. The information given is intended to be of assistance to users but is without guarantee. Variations can occur in application and users are advised to conduct their own tests. Suggestions for use neither give nor imply any guarantee as to the intended use.