



SAFETY DATA SHEET OXIBRITE

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name OXIBRITE
Product No. 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 Prochem Europe Ltd
Oakcroft Road
Chessington
Surrey
KT9 1RH
Telephone: 020 8974 1515
Fax: 020 8974 1511
www.prochem.co.uk
sales@prochem.co.uk

1.4. Emergency telephone number

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 and Chemical Hazards Ox. Sol. 2 - H272
Human health Acute Tox. 4 - H302; Eye Dam. 1 - H318
Environment Not classified.

Classification (1999/45/EEC)

Xn; R22. Xi; R41. O; R8.

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

Human health

May cause severe irritation to eyes. May cause permanent damage if eye is not immediately irrigated. Prolonged or repeated exposure may cause: skin irritation and dermatitis. Dust may irritate respiratory system or lungs. 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.

Environment

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.

Physical and Chemical Hazards

Oxidising material.

2.2. Label elements

Contains SODIUM PERCARBONATE

Label In Accordance With (EC) No. 1272/2008

OXIBRITE



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.
P220 Keep away from combustible materials.
P262 Do not get in eyes, on skin, or on clothing.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P309+311 IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P405 Store locked up.

2.3. Other hazards

See section 8 for details of exposure limits.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

SODIUM PERCARBONATE	30-100%
CAS-No.: 15630-89-4	EC No.: 239-707-6
Classification (EC 1272/2008) Ox. Sol. 2 - H272 Acute Tox. 4 - H302 Eye Dam. 1 - H318	Classification (67/548/EEC) Xn;R22. Xi;R41. O;R8.
SODIUM CARBONATE	1-5%
CAS-No.: 497-19-8	EC No.: 207-838-8
Classification (EC 1272/2008) Eye Irrit. 2 - H319	Classification (67/548/EEC) Xi;R36

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 into fresh air and keep at rest. Get medical attention if any discomfort continues.

Ingestion

Immediately rinse mouth and drink plenty of water (200-300 ml). DO NOT INDUCE VOMITING! Do not give victim anything to drink if he is unconscious. Get medical attention.

Skin contact

Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if irritation persists after washing.

OXIBRITE

Eye contact

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention immediately. Continue to rinse.

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

Inhalation

Irritation of nose, throat and airway.

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. Irritating and may cause redness and pain.

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

No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt, GET MEDICAL ATTENTION PROMPTLY!

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

Unusual Fire & Explosion Hazards

OXIDISING! Wetting and decomposition will produce oxygen and heat and will support or accelerate combustion.

Specific hazards

Oxygen.

5.3. Advice for firefighters

Special Fire Fighting Procedures

Water spray should be used to cool containers. Dike and collect extinguishing water.

Protective equipment for fire-fighters

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

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.

6.2. Environmental precautions

Do not discharge into drains, water courses or onto the ground. Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

6.3. Methods and material for containment and cleaning up

Collect powder using special dust vacuum cleaner with particle filter or carefully sweep into closed container. Flush area with plenty of water. Dispose of waste and residues in accordance with local authority requirements. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

6.4. 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

Avoid spilling, skin and eye contact. Eliminate all sources of ignition. Static electricity and formation of sparks must be prevented. Provide good ventilation. Avoid spreading dust.

7.2. Conditions for safe storage, including any incompatibilities

OXIBRITE

Keep away from heat, sparks and open flame. Store in tightly closed original container in a dry, cool and well-ventilated place.

Storage Class

Oxidiser storage.

7.3. 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

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
SODIUM PERCARBONATE	NUI		10 mg/m3 total dust		4 mg/m3 resp.dust	NUI = Nuisance Dust.

DNEL

Industry	Dermal	12800000	mg/m3
Industry	Inhalation.	5	mg/m3

PNEC

Freshwater	0.035	mg/kg
------------	-------	-------

8.2. Exposure controls

Protective equipment



Process conditions

Provide eyewash, quick drench.

Engineering measures

Provide adequate ventilation. Observe occupational exposure limits and minimize the risk of inhalation of dust.

Respiratory equipment

If ventilation is insufficient, suitable respiratory protection must be provided.

Hand protection

Nitrile gloves are recommended. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform 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.

Eye protection

Side shield safety glasses are recommended when handling this product.

Hygiene measures

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

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance Granular Powder.

Colour White.

Odour Odourless.

Solubility Soluble in water.

Initial boiling point and boiling range (°C)

Not determined.

Melting point (°C)

Not determined.

Bulk Density 850-1200 kg/m3

Vapour density (air=1)

Not applicable.

Vapour pressure

Not applicable.

OXIBRITE

Evaporation rate

Not applicable.

pH-Value, Conc. Solution

Not applicable.

pH-Value, Diluted Solution 9.5

Viscosity

Not determined.

Solubility Value (G/100G 14

H₂O@20°C)

Decomposition temperature (°C) >110

Odour Threshold, Lower

Not determined.

Flash point (°C)

Not applicable.

Flammability Limit - Lower(%)

Not applicable.

Partition Coefficient

(N-Octanol/Water)

Not determined.

Explosive properties

Not applicable.

Oxidising material.

9.2. Other information

Mol. Weight 314.06

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Reacts strongly with water.

10.2. Chemical stability

Stable under normal temperature conditions and recommended use. May react violently with incompatible materials.

10.3. Possibility of hazardous reactions

Not determined.

10.4. Conditions to avoid

Avoid contamination or contact with water until ready to use. Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

Materials To Avoid

Strong acids. Strong alkalis. Strong oxidising substances. Strong reducing agents. Inorganic salts. Water, steam, water mixtures.

10.6. 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

Respiratory or skin sensitisation:

None known.

Germ cell mutagenicity:

No effects expected based upon current data.

Carcinogenicity:

No effects expected based upon current data.

Reproductive Toxicity:

No effects expected based upon current data.

OXIBRITE

Specific target organ toxicity - single exposure:

None known.

Specific target organ toxicity - repeated exposure:

None known.

Inhalation

Irritating to respiratory system.

Ingestion

Harmful if swallowed.

Skin contact

Irritating to skin.

Eye contact

Risk of serious damage to eyes.

Target Organs

Central nervous system Gastro-intestinal tract Eyes

Toxicological information on ingredients.

SODIUM PERCARBONATE (CAS: 15630-89-4)

Acute toxicity:

Acute Toxicity (Oral LD50)

1034 mg/kg Rat

Acute Toxicity (Dermal LD50)

> 2000 mg/kg Rabbit

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

The product contains substances which are toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

12.1. Toxicity

Ecological information on ingredients.

SODIUM PERCARBONATE (CAS: 15630-89-4)

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

12.2. Persistence and degradability

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.

OXIBRITE

12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

12.6. Other adverse effects

Not determined.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements. Empty containers should be rinsed with water then crushed and disposed of at legal waste disposal site.

SECTION 14: TRANSPORT INFORMATION

General

Full protective clothing should be worn when handling this product.

14.1. UN number

UN No. (ADR/RID/ADN) 3378

UN No. (IMDG) 3378

14.2. UN proper shipping name

Proper Shipping Name Sodium Carbonate Peroxyhydrate

14.3. Transport hazard class(es)

ADR/RID/ADN Class Class 5.1: Oxidising substances.

IMDG Class 5.1

Transport Labels



14.4. Packing group

ADR/RID/ADN 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 noted. Supplied in accordance with "Limited Quantity" provisions.

Emergency Action Code 1Y

Hazard No. (ADR) 50

Tunnel Restriction Code (E)

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

SECTION 15: REGULATORY INFORMATION

OXIBRITE

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

Uk Regulatory References

The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments. Chemicals (Hazard Information & Packaging) Regulations.

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), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. 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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

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	13/05/2014
Revision	3
Supersedes date	16/12/2013
Signature	Aaron Saunders

Risk Phrases In Full

R8	Contact with combustible material may cause fire.
R22	Harmful if swallowed.
R36	Irritating to eyes.
R41	Risk of serious damage to eyes.

Hazard Statements In Full

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

Disclaimer

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.