



## Product Specification &

# SAFETY DATA SHEET

CHIP / EC FORMAT 1907/2006 AMD 93/112/EC AMD 2001/58/EC

## B151

# OXIBRITE



### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**Product Name:** OXIBRITE **Product Code:** B151

**Manufacturer:** Prochem Europe Ltd., Oakcroft Road, Chessington, Surrey KT9 1RH, UK. Telephone No (office hours only): 020 8974 1515 (UK) +44 20 8974 1515 (EC) Chemical Product Manager E, H & S

Website: [www.prochem.co.uk](http://www.prochem.co.uk) Email: [sales@prochem.co.uk](mailto:sales@prochem.co.uk)

**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.

#### **Product Description & Directions For Use:**

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. **CAUTION - Always pretest for colour fastness and stability with ready-to-use solution before proceeding. Allow 20 to 30 minutes for possible colour change.**

**Cleaning additive:** Mix 15ml (1 measure scoop) of B151 per 5 litres of ready-to-use extraction or shampoo solution. Pre-dissolve the B151 in a small amount of hot water.

**Tea, coffee and jute browning stains:** Mix 30ml (2 measure scoops) of B151, 60ml (4 measure scoops) of B162 Fibrebuff and 250ml B105 Fibre Shampoo in 5 litres of warm water. Apply the foam only by sponge or brush to affected area, feathering out over a slightly larger area and allow to dry. **Do not rinse.** When dry, repeat process if staining has not been completely removed. On larger areas of browned or water marked carpets, application can be made by sprayer and brush or rotary machine.

**For best results mixed solutions should be used within 30 minutes.**

### SECTION 2: HAZARDS IDENTIFICATION

**Classification:** Oxidising. Contact with combustible material may cause fire. Harmful if swallowed. Risk of serious damage to eyes.

**Eye Contact:** Contact may cause severe eye irritation and possible damage.

**Skin Contact:** Prolonged or repeated contact may cause irritation and possible dermatitis.

**Inhalation:** Exposure to dust may cause breathing irritation. Diluted solutions are not expected to cause irritation.

**Ingestion:** Harmful if swallowed. Ingestion may cause severe irritation to mouth and throat, nausea, vomiting and diarrhoea.

**Environment:** No cumulative effects. Raw material is biodegradable.

### SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE	RISK (See Section 16)	EINECS NO.	CAS NO.	% W/W (EC RANGE)
Sodium carbonate peroxyhydrate	O R8, Xn R22 Xi R41	239-707-6	15630-89-4	More than 30%

### SECTION 4: FIRST AID MEASURES

**Eye Contact:** Flush immediately with water for 15 minutes, then seek immediate medical attention.

**Skin Contact:** Remove any contaminated clothing and wash skin with plenty of soap and water. Seek medical attention if any skin irritation persists.

**Inhalation:** Move into fresh air and keep at rest. Seek medical assistance if breathing irritation persists.

**Ingestion:** Wash out mouth with water. **DO NOT INDUCE VOMITING.** If patient is conscious give plenty of water to drink. Do not give anything by mouth if patient is unconscious. Seek medical attention.

### SECTION 5: FIRE FIGHTING MEASURES

**Extinguishing Media:** Product is not flammable. Use water fog, alcohol resistant foam, carbon dioxide, dry powder extinguisher, or other media appropriate for materials actually involved in fire.

**Fire/Explosion Hazards:** Oxidising. Wetting and decomposition will produce oxygen and heat and will support or accelerate combustion.

**Decomposition Products:** Exposure to fire may liberate oxygen, carbon dioxide, carbon monoxide, water and other unidentified thermal decomposition products from this product or its packaging.

**Special Protective Equipment:** Self contained breathing apparatus and full protective clothing.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

**Personal Protection:** Protective clothing, neoprene or nitrile butyl rubber gloves, chemical splash goggles.

**Containment and Disposal:** Spills can be vacuumed or swept up and transferred to suitable containers for disposal in accordance with regional and national regulations. Wash the spillage area with plenty of water.

### SECTION 7: HANDLING AND STORAGE

**Handling Precautions:** Wear PVC, neoprene or nitrile butyl rubber gloves and safety glasses when handling concentrate and mixing. Avoid static electricity and sparks.

**Storage Precautions:** Avoid extremes of temperature. Store in a cool dry place away from combustible and incompatible materials. Keep out of reach of children. Keep in original container.

### SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure Limits:** WEL 10mg/m<sup>3</sup> inhalable 4mg/m<sup>3</sup> respirable dust.

**Environmental Controls:** For additional guidance, contact ENVIROWISE at [www.envirowise.gov.uk](http://www.envirowise.gov.uk) or telephone 0800 585794

**Eye Protection:** Side shield safety glasses are recommended when handling or during mixing.

**Protective Clothing:** Standard work clothing and PVC, neoprene or nitrile butyl rubber gloves. Protective gloves should be inspected for wear before use and replaced regularly in accordance with the manufacturers specifications.

**Respiratory Protection:** For situations where recommended exposure limits may be exceeded or where there is a risk of inhalation of dust, approved RPE for dust should be used.

**Ventilation:** Normal air circulation. Allow adequate ventilation in enclosed areas.

**Hygiene:** Wash hands and clothing after use or spill. Do not eat or drink when handling chemicals.

### **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance/Colour/State:** Granular white powder

**Odour:** No odour

**pH Concentrate:** Not applicable **pH Diluted:** 9.5

**Boiling Point / Range °C:** Not determined

**Flash Point °C:** Not determined **Method:** Not applicable

**Flammability Limit %:** Not flammable

**Explosive Properties:** Not determined

**Oxidising Properties:** Oxidising agent

**Vapour Pressure:** Not applicable

**Relative Density (Water = 1):** 0.9

**Solubility:** 150g/l @ 20°C

**Partition Coefficient (N-octanol / Water):** Not determined

**Viscosity:** Not applicable

**Vapour Density:** Not applicable

**Evaporation Rate:** Not applicable

**% Active:** 100

**% Solids:** Not applicable

### **SECTION 10: STABILITY AND REACTIVITY**

**Stability:** Stable. May react violently with incompatible materials.

**Conditions to Avoid:** Avoid contamination with water until ready to use. Avoid heat and sources of heat.

**Incompatibility (Materials to Avoid):** Acids, alkalis, oxidising agents, inorganic salts, reducing agents, metals, organic solvents, flammable materials, water (until ready-to-use).

**Hazardous Decomposition Products:** Oxygen release and heat.

### **SECTION 11: TOXICOLOGICAL INFORMATION**

**Eye Contact:** Contact may produce acute irritation and possible tissue damage if not promptly rinsed.

**Skin Contact:** Skin irritation and possible dermatitis from prolonged or repeated contact.

**Inhalation:** Dust irritating to respiratory tract. Possibility of pulmonary oedema with excessive exposure to dust.

**Ingestion:** Irritating and mildly corrosive to mucous membranes. Gas formation in stomach.

**Acute and Chronic Effects:**

**Acute Toxicity:** LD50 1034 mg/kg (oral - rat) (sodium carbonate peroxyhydrate)

LD50 2000mg/kg (dermal-rabbit) (sodium carbonate peroxyhydrate)

**Corrosivity / Irritation:** Skin, eye and respiratory.

**Sensitisation:** None known.

**Repeated Dose Toxicity:** Not established.

**Mutagenicity:** None.

**Carcinogenicity:** None.

**Teratogenicity:** None.

### **SECTION 12: ECOLOGICAL INFORMATION**

**Ecotoxicity:** Toxic to aquatic organisms. Danger to the environment is limited as a result of absence of bioaccumulation and its degradability.

LC50 96h 71mg/l (fish) (sodium carbonate peroxyhydrate)

EC50 48h 4.9mg/l (daphnia) (sodium carbonate peroxyhydrate)

**Mobility:** Soluble in water.

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

**Bioaccumulative Potential:** Does not bioaccumulate.

**Other Effects:** None known or no relevant data available for substances in this preparation.

### **SECTION 13: DISPOSAL CONSIDERATIONS**

Waste cleaning effluent should be disposed of in accordance with regional and national regulations. Do not allow effluent to enter drains. Empty containers should be rinsed with water then crushed and disposed of at legal waste disposal site.

Contact local Environment Agency office for waste holder requirements.

### **SECTION 14: TRANSPORT INFORMATION**

**UN No:** 3378

**Classification:** Oxidizing substance, solid

**Proper Shipping Name:** Sodium Carbonate Peroxyhydrate

**Packing Group:** III

**Road (ADR):** Class 5.1

**Sea (IMDG):** Class 5.1

**Air (ICAO / IATA):** Class 5.1

**Rail (RID):** Class 5.1

### **SECTION 15: REGULATORY INFORMATION**

**Classification:** O OXIDIZING Xn HARMFUL

**Risk Phrases**

R8 Contact with combustible material may cause fire.

R22 Harmful if swallowed.

R41 Risk of serious damage to eyes.

**Safety Phrases**

S2 Keep out of the reach of children.

S3 Keep in a cool place.

S8 Keep container dry.

S17 Keep away from combustible material.

S24/25 Avoid contact with skin and eyes.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S37/39 Wear suitable gloves and eye/face protection.

The information given has been compiled with reference to the **CHEMICALS (HAZARD INFORMATION AND PACKAGING FOR SUPPLY) REGULATIONS (CHIP 3) 2002** (as amended), the **REGISTRATION, EVALUATION, AUTHORISATION AND RESTRICTION OF CHEMICALS (REACH) REGULATIONS** (as amended), the **CONTROL OF SUBSTANCES HAZARDOUS TO HEALTH REGULATIONS (COSHH) 2002** (as amended) **REGULATION (EC) NO. 648/2004 ON DETERGENTS** (as amended) and the **MANAGEMENT OF HEALTH AND SAFETY AT WORK REGULATIONS 1999** (as amended). This safety data sheet does not constitute the users own assessment of workplace risk as required by other health and safety regulations.

### **SECTION 16: OTHER INFORMATION**

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

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.

**Revisions:** Replaces SDS B151 Issue / Revision Date 01/11/06  
Revised Sections: 1, 2, 3, 4, 5, 6, 7, 8, 10, 11, 12, 14, 15, 16.