



**B151**

**OXIBRITE**

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

**1.1. Product identifier:** Sodium Carbonate Peroxyhydrate CAS No. 15630-89-4.

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

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 Oxibrite per 5 litres of ready-to-use extraction or shampoo solution. Pre-dissolve the Oxibrite in a small amount of hot water.

**Tea, coffee and jute browning stains:** Mix 30ml (2 measure scoops) of Oxibrite, 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.**

**1.3. Details of the supplier of the safety data sheet:**

Prochem Europe Ltd., Oakcroft Road, Chessington, Surrey KT9 1RH, UK. Telephone No (office hours 8am to 5pm, Monday to Friday only): 020 8974 1515 (UK) +44 20 8974 1515 (EC) Chemical Product Manager E, H & S  
Website: www.prochem.co.uk Email: sales@prochem.co.uk

**1.4. Emergency telephone number:**

020 8974 1515 (UK) +44 20 8974 1515 (office hours 8am to 5pm, Monday to Friday only).

**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 (67/548/EEC): Xn R22, Xi R41, O R8.

CLASSIFICATION (EC 1272/2008):

Physical - Oxidising Solid 2 - H272

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

Environmental - Not classified.

Please see section 16 where the full text of each hazard statement and risk phrase is given.

**2.2. Label elements:**



**SIGNAL WORD:** Danger

**HAZARD STATEMENTS:**

H272 May intensify fire; oxidiser.

H302 Harmful if swallowed.

H318 Causes serious eye damage.

**2.3. Other hazards:**

Substance is in powder form and care should be taken to avoid inhalation of dust during handling.

See Section 8 for details of exposure limit.

**PRECAUTIONARY STATEMENTS:**

P102 Keep out of reach of children.

P235 Keep cool.

P402 Store in a dry place.

P221 Take any precaution to avoid mixing with combustibles.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P262 Do not get in eyes, on skin, or on clothing.

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 or doctor/physician.

**SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS**

| SUBSTANCE                      | EINECS NO. | CAS NO.    | % W/W (EC RANGE) |
|--------------------------------|------------|------------|------------------|
| Sodium carbonate peroxyhydrate | 239-707-6  | 15630-89-4 | 80 to 100%       |

**SECTION 4: FIRST AID MEASURES**

**4.1. Description of first aid measures:**

**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.

**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:** Immediately rinse 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.

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

Contact with eyes may cause severe irritation and possible damage.

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

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

In the event of contact with eyes or ingestion seek immediate medical help.

## **SECTION 5: FIRE FIGHTING MEASURES**

### **5.1. Extinguishing media:**

Use water fog, alcohol resistant foam, carbon dioxide, dry powder extinguisher, or other media appropriate for materials actually involved in fire.

### **5.2. Special hazards arising from the substance or mixture:**

Oxidising. Wetting and decomposition will produce oxygen and heat and will support or accelerate combustion. Exposure to fire may liberate oxygen, carbon dioxide, carbon monoxide, water and other unidentified thermal decomposition products from this product or its packaging.

### **5.3. Advice for firefighters:**

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 sds.

### **6.2. Environmental precautions:**

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:**

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

### **6.4. Reference to other sections:**

See sections 8 and 13 for further information.

## **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 spread of dust. Wash hands and clothing after use or spill. Do not eat or drink when handling chemicals.

### **7.2. Conditions for safe storage, including any incompatibilities:**

Avoid extremes of temperature. Store in a cool dry place away from combustible and incompatible materials. Keep out of reach of children. Keep tightly closed in original container.

### **7.3. Specific end use(s):**

Oxibrite is an additive intended to be added to carpet cleaning solutions and should be used in accordance with the product directions.

## **SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

### **8.1. Control parameters:**

**Exposure Limits:** WEL 10mg/m<sup>3</sup> inhalable 4mg/m<sup>3</sup> respirable dust (UK HSE EH40).

### **8.2. Exposure controls:**

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

**Skin Protection:** Standard work clothing and PVC, neoprene or nitrile 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 respiratory protective equipment for dust should be used.

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

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

### **9.1. Information on basic physical and chemical properties:**

**Appearance:** Granular white powder

**Odour:** Odourless

**Odour Threshold:** Not determined

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

**Melting point/freezing point:** Not determined

**Initial boiling point and boiling range:** Not determined

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

**Evaporation Rate:** Not applicable

**Flammability (solid, gas):** Not flammable, but will increase the flammability of other materials.

**Upper/lower flammability or explosive limits:** Not flammable

**Vapour Pressure:** Not applicable

**Vapour Density:** Not applicable

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

**Solubility(ies):** 150g/l @ 20°C

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

**Auto-ignition temperature:** Not determined

**Decomposition temperature; EN L 133/14 Official Journal of the European Union 31.5.2010:** Not determined

**Viscosity:** Not applicable

**Explosive Properties:** Not determined

**Oxidising Properties:** Oxidising agent

**% Active:** 100

**% Solids:** Not applicable

### **9.2. Other information:**

Strong oxidising potential.

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

### **10.1. Reactivity:**

Strong oxidiser.

### **10.2. Chemical stability:**

Stable. May react violently with incompatible materials.

### **10.3. Possibility of hazardous reactions:**

Contact with water may release oxygen and heat.

### **10.4. Conditions to avoid:**

Avoid contamination or contact with water until ready to use.

Avoid heat and sources of heat.

### **10.5. Incompatible materials:**

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

### **10.6. Hazardous decomposition products:**

Oxygen release and heat.

## **SECTION 11: TOXICOLOGICAL INFORMATION**

### **11.1. Information on toxicological effects:**

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

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

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

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

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

**Respiratory or skin sensitisation:** None known.

**Germ cell mutagenicity:** None known.

**Carcinogenicity:** None known.

**Reproductive toxicity:** None known.

**STOT-single exposure:** None known.

**STOT-repeated exposure:** None known.

**Aspiration hazard:** Dust is irritating to the respiratory tract if inhaled. Possibility of pulmonary oedema with excessive exposure to dust.

## **SECTION 12: ECOLOGICAL INFORMATION**

### **12.1. Toxicity:**

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)

### **12.2. Persistence and degradability:**

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

### **12.3. Bioaccumulative potential:**

Does not bioaccumulate.

### **12.4. Mobility in soil:**

Soluble in water.

### **12.5. Results of PBT and vPvB assessment:**

Report not required.

### **12.6. Other adverse effects:**

None known.

## **SECTION 13: DISPOSAL CONSIDERATIONS**

### **13.1. Waste treatment methods:**

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**

**14.1. UN number:** 3378

**14.2 UN Proper Shipping Name:** Sodium Carbonate Peroxyhydrate

**14.3 Transport hazard class(es):**

**Road (ADR):** Class 5.1

**Sea (IMDG):** Class 5.1

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

**Rail (RID):** Class 5.1

**14.4 Packing Group:** III

**14.5. Environmental hazards:** This product is shipped in limited quantities.

**14.6. Special precautions for user:** No special precautions required other than those previously mentioned in this safety data sheet.

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

Not intended to be carried as bulk.

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

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

The information given has been compiled with reference to the **CHEMICALS (HAZARD INFORMATION AND PACKAGING FOR SUPPLY) REGULATIONS (CHIP 4) 2009** (as amended), **REGULATION (EC) No 1272/2008 on CLASSIFICATION, LABELLING and PACKAGING of substances and mixtures**, 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.

**15.2. Chemical safety assessment**

Not currently available.

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

**Risk phrases for classification (67/548/EEC) in Section 2.1:**

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.

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