## SAFETY DATA SHEET

**CRUSADER COLOURSAFE OXY POWDER**

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

1.1. **Product identifier**

- **Product name:** CRUSADER COLOURSAFE OXY POWDER
- **Product number:** C046 EV
- **Internal identification:** Professional Hygiene
- **UFI:** UFI: XQWN-Q012-500D-83XF

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

- **Identified uses:** Powdered Bleaching agent for Laundry industry

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

<table>
<thead>
<tr>
<th>UK Supplier</th>
<th>EU Supplier</th>
</tr>
</thead>
<tbody>
<tr>
<td>Evans Vanodine International plc</td>
<td>Evans Vanodine Europe</td>
</tr>
<tr>
<td>Brierley Road, Walton Summit, Preston, UK. PR5 8AH</td>
<td>6-9 Trinity Street, Dublin 2. D02 EY47. Republic of Ireland.</td>
</tr>
<tr>
<td>Tel: 01772 322 200</td>
<td></td>
</tr>
<tr>
<td>e-mail: <a href="mailto:productcompliance@evansvanodine.co.uk">productcompliance@evansvanodine.co.uk</a></td>
<td></td>
</tr>
</tbody>
</table>

1.4. **Emergency telephone number**

**Emergency telephone**
New Safety Data Sheets - 01772 322 200 - Mon to Thur. 8.30am to 4.30pm - Fri 8.30am to 1.30pm (Also available 24/7 from our website www.evansvanodine.co.uk) For Technical Advice about this SDS - 01772 318 818 - Mon to Thur 8.30am to 4.45pm - Fri 8.30am to 1.30pm

**National emergency telephone number**
For Health Care Professionals only - 
For use in UK: Contact the National Poisons Information Service for further advice. 
For use in the Republic of Ireland: To report a poisoning incident contact The National Poisons Information Centre, Beaumont Hospital, Dublin (01-8092166). . 
For use in Malta: Emergency services (Ambulance, Fire and Rescue, Police) : 112

### SECTION 2: Hazards identification

2.1. **Classification of the substance or mixture**

**Classification (SI 2019 No. 720)**

- **Physical hazards:** Ox. Sol. 3 - H272
- **Health hazards:** Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318
- **Environmental hazards:** Not Classified

2.2. **Label elements**

- **Hazard pictograms:**
  - Flammable
  - Corrosive
  - Warning
CRUSADER COLOURSAFE OXY POWDER

Signal word
Danger

Hazard statements
H272 May intensify fire; oxidiser.
H302 Harmful if swallowed.
H315 Causes skin irritation.
H318 Causes serious eye damage.

Precautionary statements
P102 Keep out of reach of children.
P261 Avoid breathing dust.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P270 Do not eat, drink or smoke when using this product.
P220 Keep away from combustible materials.
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P315 Get immediate medical advice/ attention.
P402+P404 Store in a dry place. Store in a closed container.
P501 Dispose of contents/ container in accordance with local regulations.

Contains
SODIUM PERCARBONATE PEROXYHYDRATE, DISODIUM METASILICATE

2.3. Other hazards
This product does not contain any substances classified as PBT or vPvB. Including - Endocrine disrupting properties: None known.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

<table>
<thead>
<tr>
<th>SODIUM PERCARBONATE PEROXYHYDRATE</th>
<th>60-100%</th>
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<tbody>
<tr>
<td>CAS number: 15630-89-4</td>
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</table>

Classification
Ox. Sol. 2 - H272
Acute Tox. 4 - H302
Eye Dam. 1 - H318

<table>
<thead>
<tr>
<th>DISODIUM METASILICATE</th>
<th>3-5%</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS number: 6834-92-0</td>
<td></td>
</tr>
<tr>
<td>EC number: 229-912-9</td>
<td></td>
</tr>
</tbody>
</table>

Classification
Skin Corr. 1B - H314
Eye Dam. 1 - H318
STOT SE 3 - H335

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 at once. Get medical attention if any discomfort continues.

Ingestion
Do not induce vomiting. Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention immediately.
CRUSADER COLOURSAFE OXY POWDER

Skin contact
Wash with plenty of 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. Get medical attention immediately.

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

General information
The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation
Irritation of nose, throat and airway.

Ingestion
May cause discomfort if swallowed.

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

Eye contact
Severe irritation, burning and tearing. Prolonged contact causes serious eye and tissue damage.

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

Notes for the doctor
Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media
Oxidising - Supports combustion. Extinguish with the following media: Water spray. Foam, carbon dioxide or dry powder.

5.2. Special hazards arising from the substance or mixture

Specific hazards
Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours. May intensify fire; oxidiser.

5.3. Advice for firefighters

Special protective equipment for firefighters
Keep containers cool by spraying with water to reduce explosion risks. 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
Avoid inhalation of dust. Wear protective clothing, gloves, eye and face protection. For personal protection, see Section 8.

6.2. Environmental precautions

Environmental precautions
Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up
Small Spillages: Flush away spillage with plenty of water. Large Spillages: Contain and absorb spillage with sand, earth or other non-combustible material. Collect and place in suitable waste disposal containers and seal securely.

6.4. Reference to other sections

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

SECTION 7: Handling and storage

7.1. Precautions for safe handling
CRUSADER COLOURSAFE OXY POWDER

Usage precautions
Wear protective clothing, gloves, eye and face protection. Avoid inhalation of dust. Never add water directly to this product as it may cause a vigorous reaction or boiling. Always dilute by carefully pouring the product into water.

7.2. Conditions for safe storage, including any incompatibilities
Storage precautions
Keep away from flammable and combustible materials. Store in tightly-closed, original container in a dry, cool and well-ventilated place. Store away from the following materials: Acids.

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

Usage description
See Product Information Sheet & Label for detailed use of this product.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters
Ingredient comments
No exposure limits known for ingredient(s).

8.2. Exposure controls
Protective equipment

Appropriate engineering controls
Use mechanical ventilation if there is a risk of handling causing formation of airborne dust.

Eye/face protection
The following protection should be worn: Chemical splash goggles or face shield.

Hand protection
Wear protective gloves. (Household rubber gloves.)

Other skin and body protection
Wear appropriate clothing to prevent any possibility of skin contact.

Respiratory protection
Respiratory protection not required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties
Appearance
Granules. Powder.

Colour
White/off-white.

Odour
Odourless.

pH
pH (diluted solution): 10.00-11.00 @1%

Melting point
Not applicable.

Initial boiling point and range
Not applicable.

Flash point
Not applicable.

Flammability (solid, gas)
Not applicable.

Upper/lower flammability or explosive limits
Not applicable.

Vapour pressure
Not applicable.

Vapour density
Not applicable.
CRUSADER COLOURSAFE OXY POWDER

Relative density  Not applicable.
Solubility(ies)  Soluble in water.
Partition coefficient  Not applicable.
Auto-ignition temperature  Not available.
Decomposition Temperature  Not available.
Viscosity  Not applicable.
Oxidising properties  May intensify fire; oxidiser.

9.2. Other information
Other information  None.
Particle size  Not available.

SECTION 10: Stability and reactivity

10.1. Reactivity
Reactivity  The following materials may react with the product: Strong acids. Flammable/combustible materials. Oxidising agents. Reducing agents. May intensify fire; oxidiser. The product will harden into a solid mass in contact with water and moisture.

10.2. Chemical stability
Stability  No particular stability concerns.

10.3. Possibility of hazardous reactions
Possibility of hazardous reactions  See sections 10.1, 10.4 & 10.5

10.4. Conditions to avoid
Conditions to avoid  The product will harden into a solid mass in contact with water and moisture.

10.5. Incompatible materials
Materials to avoid  Strong acids.

10.6. Hazardous decomposition products
Hazardous decomposition products  No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Toxicological effects  We have not carried out any animal testing for this product. Any ATE figures quoted below are from Toxicity Classifications that have been carried out using ATE (Acute Toxicity Estimate) Calculation Method using LD50 or ATE figures provided by the Raw Material Manufacturer.

Acute toxicity - oral
Notes (oral LD₅₀)  Classification criteria has been met – Product is classified as Harmful if Swallowed.
ATE oral (mg/kg)  1,292.5

Acute toxicity - dermal
Summary  Not applicable.

Acute toxicity - inhalation
Summary  Not applicable.
CRUSADER COLOURSAFE OXY POWDER

Skin corrosion/irritation
Causes skin irritation.

Serious eye damage/irritation
Causes serious eye damage.

Respiratory sensitisation
Summary Not applicable.

Skin sensitisation
Summary Not applicable.

Germ cell mutagenicity
Summary Not applicable.

Carcinogenicity
Summary Not applicable.

Reproductive toxicity
Summary Not applicable.

Specific target organ toxicity - single exposure
Summary Not applicable.

Specific target organ toxicity - repeated exposure
Summary Not applicable.

Aspiration hazard
Summary Not applicable.

11.2 Information on other Hazards
11.2.1 Endocrine disrupting properties
None known.

SECTION 12: Ecological information

Ecotoxicity Potentially hazardous due to the alkalinity of the product.

12.1. Toxicity
Toxicity We have not carried out any Aquatic testing, therefore we have no Aquatic Toxicity Data specifically for this product. The Aquatic Toxicity Data, where provided by the raw material manufacturer for ingredients with aquatic toxicity, can be made available on request.

12.2. Persistence and degradability
Persistence and degradability The product is not expected to be biodegradable.

12.3. Bioaccumulative potential
Bioaccumulative potential The product does not contain any substances expected to be bioaccumulating.

Partition coefficient Not applicable.

12.4. Mobility in soil
Mobility Not known.

12.5. Results of PBT and vPvB assessment
CRUSADER COLOURSAFE OXY POWDER

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

12.6 Endocrine disrupting properties
None known.

12.6. Other adverse effects
Other adverse effects
Now section 12.7: None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Disposal methods
Discharge used solutions to drain. Small amounts (less than 5 Litres) of unwanted product may be flushed with water to sewer. Larger volumes must be sent for disposal as special waste. Rinse out empty container with water and consign to normal waste.

SECTION 14: Transport information

14.1. UN number
UN No. (ADR/RID) 3085
UN No. (IMDG) 3085
UN No. (ICAO) 3085

14.2. UN proper shipping name
Proper shipping name (ADR/RID) OXIDIZING SOLID, CORROSIVE, N.O.S. (sodium carbonate peroxyhydrate and disodium trioxosilicate)
Proper shipping name (IMDG) OXIDIZING SOLID, CORROSIVE, N.O.S. (sodium carbonate peroxyhydrate and disodium trioxosilicate)
Proper shipping name (ICAO) OXIDIZING SOLID, CORROSIVE, N.O.S. (sodium carbonate peroxyhydrate and disodium trioxosilicate)

14.3. Transport hazard class(es)
ADR/RID class Division 5.1: Oxidizing substances.
ADR/RID subsidiary risk Class 8: Corrosive Substances.
ADR/RID label 5.1 & 8
IMDG class Division 5.1: Oxidizing substances.
IMDG subsidiary risk Class 8: Corrosive Substances.
ICAO class/division Division 5.1: Oxidizing substances.
ICAO subsidiary risk Class 8: Corrosive Substances.
Transport labels

14.4. Packing group
ADR/RID packing group II
IMDG packing group II
ICAO packing group II
CRUSADER COLOURSAFE OXY POWDER

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant
No.

14.6. Special precautions for user

EmS F-A, S-Q

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 relevant for a packaged product.

SECTION 15: Regulatory information

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

EU legislation
The product is as classified under - EU GHS: CLP - "Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures." and UK GHS: "SI 2020 No. 1567 - The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020.".
Ingredients are listed with classification under - EU GHS: CLP - "Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures." and UK GHS: "SI 2020 No. 1567 - The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020.".

15.2. Chemical safety assessment

No chemical safety assessment has been carried out as not applicable as this product is a mixture.

SECTION 16: Other information

Abbreviations and acronyms used in the safety data sheet
PBT: Persistent, Bioaccumulative and Toxic substance.
vPvB: Very Persistent and Very Bioaccumulative.
ATE: Acute Toxicity Estimate.
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
IMDG: International Maritime Dangerous Goods.
REACH: The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577.
GHS: Globally Harmonized System.

Classification abbreviations and acronyms
Acute Tox. = Acute toxicity
Eye Dam. = Serious eye damage
Ox. Sol. = Oxidising solid
Skin Corr. = Skin corrosion
Skin Irrit. = Skin irritation
STOT SE = Specific target organ toxicity-single exposure

Key literature references and sources for data
Material Safety Data Sheet, Miscellaneous manufacturers. CLP Class - Table 3.1 List of harmonised classification and labelling of hazardous substances. ECHA - C&L Inventory database.
CRUSADER COLOURSAFE OXY POWDER

Classification procedures according to SI 2019 No. 720

Revision comments

Revision date
10/12/2022

Revision
14

SDS status
The Hazard Statements listed below in this Section No 16 relate to the Raw Materials (Ingredients) in the Product (as listed in Section 3) and NOT the product itself. For the Hazard Statements relating to this Product see Section 2.

Hazard statements in full
H272 May intensify fire; oxidiser.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.