



## SAFETY DATA SHEET CRUSADER COLOURSAFE OXY POWDER

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

#### 1.1. Product identifier

<b>Product name</b>	CRUSADER COLOURSAFE OXY POWDER
<b>Product number</b>	C046 EV
<b>Internal identification</b>	Janitorial

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

<b>Identified uses</b>	Powdered Bleaching agent for Laundry industry
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#### 1.3. Details of the supplier of the safety data sheet

##### Supplier

Evans Vanodine International  
Brierley Road  
Walton Summit  
Preston. UK. PR5 8AH  
Tel: 01772 322 200  
Fax: 01772 626 000  
qclab@evansvanodine.co.uk

#### 1.4. Emergency telephone number

<b>Emergency telephone</b>	New Safety Data Sheets - 8.30am to 4.45pm - 01772 322 200 - Mon to Fri. (Also available 24/7 from our website <a href="http://www.evansvanodine.co.uk">www.evansvanodine.co.uk</a> ) Technical Advice - 8.30am to 4.45pm - 01772 318 818 - Mon to Fri
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### SECTION 2: Hazards identification

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

##### Classification (EC 1272/2008)

<b>Physical hazards</b>	Ox. Sol. 3 - H272
<b>Health hazards</b>	Acute Tox. 4 - H302 Skin Corr. 1B - H314 Eye Dam. 1 - H318
<b>Environmental hazards</b>	Not Classified

#### 2.2. Label elements

##### Pictogram



##### Signal word

Danger

##### Hazard statements

H302 Harmful if swallowed.  
H272 May intensify fire; oxidiser.  
H314 Causes severe skin burns and eye damage.

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

### 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

<b>SODIUM PERCARBONATE PEROXYHYDRATE</b>	<b>60-100%</b>
CAS number: 15630-89-4	
<b>Classification</b> Ox. Sol. 2 - H272 Acute Tox. 4 - H302 Eye Dam. 1 - H318	
<b>DISODIUM METASILICATE</b>	<b>5-10%</b>
CAS number: 6834-92-0                      EC number: 229-912-9	
<b>Classification</b> 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

<b>Inhalation</b>	Move affected person to fresh air at once. Get medical attention if any discomfort continues.
<b>Ingestion</b>	Do not induce vomiting. Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention immediately.
<b>Skin contact</b>	Wash with plenty of water. Get medical attention promptly if symptoms occur after washing.
<b>Eye contact</b>	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

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<b>General information</b>	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
<b>Inhalation</b>	Irritation of nose, throat and airway.
<b>Ingestion</b>	May cause chemical burns in mouth and throat.
<b>Skin contact</b>	Prolonged skin contact may cause redness and irritation.
<b>Eye contact</b>	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

**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.

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### 7.3. Specific end use(s)

<b>Specific end use(s)</b>	The identified uses for this product are detailed in Section 1.2.
<b>Usage description</b>	See Product Information Sheet & Label for detailed use of this product.

### SECTION 8: Exposure Controls/personal protection

#### 8.1. Control parameters

<b>Ingredient comments</b>	No exposure limits known for ingredient(s).
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#### 8.2. Exposure controls

##### Protective equipment



<b>Appropriate engineering controls</b>	Use mechanical ventilation if there is a risk of handling causing formation of airborne dust.
<b>Eye/face protection</b>	The following protection should be worn: Chemical splash goggles or face shield.
<b>Hand protection</b>	Wear protective gloves. (Household rubber gloves.)
<b>Other skin and body protection</b>	Wear appropriate clothing to prevent any possibility of skin contact.
<b>Respiratory protection</b>	Respiratory protection not required.

### SECTION 9: Physical and Chemical Properties

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

<b>Appearance</b>	Granules. Powder.
<b>Colour</b>	White/off-white.
<b>Odour</b>	Odourless.
<b>pH</b>	pH (diluted solution): 11.00 @1%
<b>Melting point</b>	Not applicable.
<b>Initial boiling point and range</b>	Not applicable.
<b>Flash point</b>	Not applicable.
<b>Relative density</b>	Not applicable.
<b>Solubility(ies)</b>	Soluble in water.

#### 9.2. Other information

<b>Other information</b>	None.
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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

<b>Reactivity</b>	Reacts violently with strong acids. The product will harden into a solid mass in contact with water and moisture.
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#### 10.2. Chemical stability

<b>Stability</b>	No particular stability concerns.
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### 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 LD<sub>50</sub>)**      Classification criteria has been met – Product is classified as Harmful if Swallowed.

**ATE oral (mg/kg)**      1,216.47180471

## 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.

### 12.4. Mobility in soil

**Mobility**      Not known.

### 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 known.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

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**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

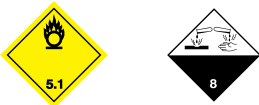
#### 14.2. UN proper shipping name

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

#### 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

## CRUSADER COLOURSAFE OXY POWDER

**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** Safety Data Sheet prepared in accordance with REACH Commission Regulation (EU) No 2015/830 (which amends Regulation (EC) No 453/2010 & 1907/2006).  
The product is as classified under GHS/CLP- Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures.  
Ingredients are listed with classification under GHS/CLP - Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures.

#### 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.  
ICAO-TI: Technical Instructions for the Safe Transport of Dangerous Goods by Air.  
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.  
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  
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 labeling of hazardous substances. CHIP Class - Table 3.2 The list of harmonised classification and labelling of hazardous substances from Annex I to Directive 67/548/EEC. ECHA - C&L Inventory database.

**Classification procedures according to Regulation (EC) 1272/2008** Calculation Method.

**Revision comments** Safety Data Sheet amended in accordance with REACH Commission Regulation (EU) No 2015/830 amendment. (Changes to Sections 2,3,15&16)

**Revision date** 01/08/2017

**Revision** 11

**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.

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### **Hazard statements in full**

H272 May intensify fire; oxidiser.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.