



SAFETY DATA SHEET CRUSADER OXY DESTAINER

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

1.1. Product identifier

Product name	CRUSADER OXY DESTAINER
Product number	C011 EV
Internal identification	Janitorial

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

Identified uses	Hydrogen Peroxide based 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
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1.4. Emergency telephone number

Emergency telephone	New Safety Data Sheets - 8.30am to 4.45pm - 01772 322 200 - Mon to Fri. (Also available 24/7 from our website www.evansvanodine.co.uk) 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)

Physical hazards	Not Classified
Health hazards	Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 STOT SE 3 - H335
Environmental hazards	Not Classified

Classification (67/548/EEC or 1999/45/EC) Xn;R22. Xi;R37/38,R41.

2.2. Label elements

Pictogram



Signal word Danger

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Hazard statements	H302 Harmful if swallowed. H315 Causes skin irritation. H318 Causes serious eye damage. H335 May cause respiratory irritation.
Precautionary statements	P102 Keep out of reach of children. P261 Avoid breathing vapour/ spray. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P302+P352 IF ON SKIN: Wash with plenty of water. 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. P403+P235 Store in a well-ventilated place. Keep cool. P501 Dispose of contents/ container in accordance with local regulations.
Contains	HYDROGEN PEROXIDE SOLUTION ... %

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB. PBT= Persistent, Bioaccumulative and Toxic & vPvB = Very Persistent and Very Bioaccumulative.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

HYDROGEN PEROXIDE SOLUTION ... %		30-60%
CAS number: 7722-84-1		EC number: 231-765-0
Classification	Classification (67/548/EEC or 1999/45/EC)	
Ox. Liq. 1 - H271	R5 O;R8 C;R35 Xn;R20/22	
Acute Tox. 4 - H302		
Acute Tox. 4 - H332		
Skin Corr. 1A - 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. Keep affected person warm and at rest. Get medical attention immediately.
Ingestion	Do not induce vomiting. Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention immediately.
Skin contact	Wash skin thoroughly with soap and water. Get medical attention promptly if symptoms occur after washing.
Eye contact	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention immediately. Continue to rinse.

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.
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Inhalation	Irritation of nose, throat and airway.
Ingestion	May cause stomach pain or vomiting.
Skin contact	Skin irritation. Prolonged skin contact may cause redness and irritation.
Eye contact	May cause severe eye irritation.

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

Notes for the doctor	Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.
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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.
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5.3. Advice for firefighters

Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Wear protective clothing, gloves, eye and face protection. For personal protection, see Section 8. Avoid inhalation of vapours.
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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.
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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.
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6.4. Reference to other sections

Reference to other sections	For personal protection, see Section 8.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions	Wear protective clothing, gloves, eye and face protection. Avoid inhalation of vapours.
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7.2. Conditions for safe storage, including any incompatibilities

Storage precautions	Store in tightly-closed, original container in a dry, cool and well-ventilated place. Protect from light.
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7.3. Specific end use(s)

Specific end use(s)	The identified uses for this product are detailed in Section 1.2.
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Usage description	See Product Information Sheet & Label for detailed use of this product.
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SECTION 8: Exposure Controls/personal protection

CRUSADER OXY DESTAINER

8.1. Control parameters

Occupational exposure limits

HYDROGEN PEROXIDE SOLUTION ... %

Long-term exposure limit (8-hour TWA): WEL 1 ppm 1,4 mg/m³

Short-term exposure limit (15-minute): WEL 2 ppm 2,8 mg/m³

WEL = Workplace Exposure Limit

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Not relevant.

Eye/face protection

Wear eye protection.

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	Liquid.
Colour	Clear. Colourless.
Odour	Odourless.
pH	pH (concentrated solution): 2.00
Melting point	-40°C
Initial boiling point and range	110°C @ 760 mm Hg
Flash point	Boils without flashing.
Relative density	1.150 @ 20°C
Solubility(ies)	Soluble in water.

9.2. Other information

Other information	None.
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	The following materials may react strongly with the product: Alkaline earth metals. Powdered metal.
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10.2. Chemical stability

Stability	Inadequately vented containers may become pressurised.
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10.3. Possibility of hazardous reactions

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Possibility of hazardous reactions See sections 10.1, 10.4 & 10.5

10.4. Conditions to avoid

Conditions to avoid Avoid exposure to high temperatures or direct sunlight. Avoid Storage above 30°C

10.5. Incompatible materials

Materials to avoid Alkalis, acids, metal salts and reducing agents. Powdered metal. Flammable/combustible materials.

10.6. Hazardous decomposition products

Hazardous decomposition products Decomposes slowly to release oxygen.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects We have not carried out any animal testing, therefore we have no Toxicological Data specifically for this product. The Toxicological Data, where provided by the raw material manufacturer, can be made available on request.

Acute toxicity - oral

Notes (oral LD₅₀) Classification criteria has been met – Product is classified as Harmful if Swallowed.

ATE oral (mg/kg) 1,428.57

Acute toxicity - inhalation

Notes (inhalation LC₅₀) Based on available data the classification criteria are not met.

ATE inhalation (vapours mg/l) 31.43

ATE inhalation (dusts/mists mg/l) 5.71

SECTION 12: Ecological Information

Ecotoxicity Not regarded as dangerous for the environment.

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 This product, at use dilutions, is readily broken down in biological effluent treatment plants.

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

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Other adverse effects Not 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

Air transport notes Forbidden for Air Transport

14.1. UN number

UN No. (ADR/RID) 2014

UN No. (IMDG) 2014

UN No. (ICAO) 2014

14.2. UN proper shipping name

Proper shipping name (ADR/RID) HYDROGEN PEROXIDE, AQUEOUS SOLUTION

Proper shipping name (IMDG) HYDROGEN PEROXIDE, AQUEOUS SOLUTION

Proper shipping name (ICAO) HYDROGEN PEROXIDE, AQUEOUS SOLUTION

14.3. Transport hazard class(es)

ADR/RID class Division 5.1: Oxidising substances.

ADR/RID subsidiary risk Class 8: Corrosive substances.

ADR/RID label 5.1 & 8

IMDG class Division 5.1: Oxidising substances.

IMDG subsidiary risk Class 8: Corrosive substances.

ICAO class/division Division 5.1: Oxidising 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

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EmS F-H, 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 Not relevant. for a packaged product.

Annex II of MARPOL 73/78
and the IBC Code

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 both CHIP - Directive 67/548/EEC - classification, packaging & labelling of dangerous substances & 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.

SECTION 16: Other information

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.

Revision comments SDS re-issued after a 3 year old SDS Review.

Revision date 13/12/2016

Revision Issue 6

SDS status The Risk Phrases / 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 Risk Phrases / Hazard Statements relating to this Product see Section 2.

Risk phrases in full R20/22 Harmful by inhalation and if swallowed.
R22 Harmful if swallowed.
R35 Causes severe burns.
R37 Irritating to respiratory system.
R37/38 Irritating to respiratory system and skin.
R41 Risk of serious damage to eyes.
R5 Heating may cause an explosion.
R8 Contact with combustible material may cause fire.

Hazard statements in full H271 May cause fire or explosion; strong oxidiser.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.