



## SAFETY DATA SHEET CRUSADER LOW TEMP DESTAINER

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

#### 1.1. Product identifier

Product name	CRUSADER LOW TEMP DESTAINER
Product number	C008 EV
Internal identification	Janitorial

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

Identified uses	Low Temperature Bleaching Agent for Laundry Industry.
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#### 1.3. Details of the supplier of the safety data sheet

Supplier	Evans Vanodine International plc Brierley Road Walton Summit Preston. UK. PR5 8AH Tel: 01772 322 200 R and D Lab e-mail: rnd@evansvanodine.co.uk
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#### 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 <a href="http://www.evansvanodine.co.uk">www.evansvanodine.co.uk</a> ) Technical Advice - 01772 318 818 - Mon to Thu 8.30am to 4.45pm - Fri 8.30am to 1.30pm
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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	Eye Dam. 1 - H318
Environmental hazards	Not Classified

#### 2.2. Label elements

##### Hazard pictograms



Signal word	Danger
Hazard statements	H318 Causes serious eye damage.

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<b>Precautionary statements</b>	<p>P102 Keep out of reach of children.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</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>P410 Protect from sunlight.</p> <p>P420 Store separately.</p> <p>P501 Dispose of contents/ container in accordance with local regulations.</p>
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**Contains** 6-(PHTHALIMIDO)PEROXYHEXANOIC ACID

### 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>6-(PHTHALIMIDO)PEROXYHEXANOIC ACID</b>	<b>15-20%</b>
CAS number: 128275-31-0                      EC number: 410-850-8 M factor (Acute) = 1	
<b>Classification</b> Org. Perox. D - H242 Eye Dam. 1 - H318 Aquatic Acute 1 - H400	
<b>1,1-HYDROXY-ETHYLIDEN DIPHOSPHONIC ACID DISODIUM SALT</b>	<b>1-3%</b>
CAS number: 7414-83-7                      EC number: 231-025-7	
<b>Classification</b> Aquatic Chronic 2 - H411	

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>	If spray/mist has been inhaled, proceed as follows. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
<b>Ingestion</b>	Do not induce vomiting. Give plenty of water to drink. Get medical attention if any discomfort continues.
<b>Skin contact</b>	Wash with plenty of water.
<b>Eye contact</b>	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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

<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.

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<b>Ingestion</b>	Nausea, vomiting. Diarrhoea. May cause stomach pain or vomiting.
<b>Skin contact</b>	Prolonged contact may cause redness, irritation and dry skin.
<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**

<b>Notes for the doctor</b>	Treat symptomatically.
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## SECTION 5: Firefighting measures

### **5.1. Extinguishing media**

<b>Suitable extinguishing media</b>	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**

<b>Specific hazards</b>	Thermal decomposition or combustion products may include the following substances: Irritating gases or vapours.
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### **5.3. Advice for firefighters**

<b>Special protective equipment for firefighters</b>	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**

<b>Personal precautions</b>	Wear eye and face protection. Avoid inhalation of vapours. For personal protection, see Section 8.
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### **6.2. Environmental precautions**

<b>Environmental precautions</b>	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**

<b>Methods for cleaning up</b>	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**

<b>Reference to other sections</b>	For personal protection, see Section 8.
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## SECTION 7: Handling and storage

### **7.1. Precautions for safe handling**

<b>Usage precautions</b>	Wear eye protection. Avoid breathing vapours.
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### **7.2. Conditions for safe storage, including any incompatibilities**

<b>Storage precautions</b>	Keep only in the original container in a cool, well-ventilated place. Store away from the following materials: Acids. Do not expose to temperatures exceeding 50°C/122°F.
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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.
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<b>Usage description</b>	See Product Information Sheet & Label for detailed use of this product.
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## SECTION 8: Exposure controls/Personal protection

### **8.1. Control parameters**

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### Occupational exposure limits

TWA = 3mg/m<sup>3</sup>

### 8.2. Exposure controls

#### Protective equipment



<b>Appropriate engineering controls</b>	Not relevant.
<b>Eye/face protection</b>	Wear eye protection.
<b>Hand protection</b>	No specific hand protection recommended. For prolonged or repeated skin contact use suitable protective gloves.
<b>Other skin and body protection</b>	Wear suitable protective clothing as protection against splashing or contamination.
<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>	Liquid.
<b>Colour</b>	White/off-white.
<b>Odour</b>	No characteristic odour.
<b>pH</b>	pH (concentrated solution): 2.8 - 3.8
<b>Melting point</b>	No information available.
<b>Initial boiling point and range</b>	No information available.
<b>Flash point</b>	No information available.
<b>Relative density</b>	1.000 - 1.100 @ 23°C
<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>	The following materials may react with the product: Organic peroxides/hydroperoxides. Oxidising materials. Strong reducing agents.
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#### 10.2. Chemical stability

<b>Stability</b>	Stable at normal ambient temperatures and when used as recommended. Will decompose at temperatures exceeding 80°C.
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#### 10.3. Possibility of hazardous reactions

<b>Possibility of hazardous reactions</b>	See sections 10.1, 10.4 & 10.5
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#### 10.4. Conditions to avoid

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**Conditions to avoid** Avoid heat, flames and other sources of ignition. Avoid exposure to high temperatures or direct sunlight. Keep at temperature not exceeding 50°C.

### 10.5. Incompatible materials

**Materials to avoid** Keep away from flammable and combustible materials. Alkalis, acids, metal salts and reducing agents. Strong oxidising agents.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Will decompose at temperatures exceeding 80°C. Thermal decomposition or combustion products may include the following substances: Oxygen.

## 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.

**Other health effects** Low oral toxicity, but ingestion may cause irritation of the gastro-intestinal tract.

## 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** The product is readily 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

**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

**General** Not classified for Transport.

### 14.1. UN number

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### 14.2. UN proper shipping name

### 14.3. Transport hazard class(es)

### 14.4. Packing group

### 14.5. Environmental hazards

### 14.6. Special precautions for user

### 14.7. Transport in bulk according to Annex II of MARPOL 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 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.  
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.  
GHS: Globally Harmonized System.

**Classification abbreviations and acronyms** Aquatic Acute = Hazardous to the aquatic environment (acute)  
Aquatic Chronic = Hazardous to the aquatic environment (chronic)  
Eye Dam. = Serious eye damage  
Org. Perox. = Organic peroxide

**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. ECHA - C&L Inventory database.

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

**Revision comments** New Product to Janitorial range.

**Revision date** 01/11/2019

**Revision** 1

**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** H242 Heating may cause a fire.  
H318 Causes serious eye damage.  
H400 Very toxic to aquatic life.  
H411 Toxic to aquatic life with long lasting effects.