



SAFETY DATA SHEET

CRUSADER BOOSTER POWDER

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

1.1. Product identifier

Product name CRUSADER BOOSTER POWDER
 Product No. C051 EV
 Internal Id Janitorial - Laundry Care Section

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

Identified uses Powdered Alkaline Cleaner for Laundry industry

1.3. Details of the supplier of the safety data sheet

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

1.4. Emergency telephone number

New Safety Data Sheets - 8.30am to 4.45pm - 01772 322 200 - Mon to Fri Technical Advice -
 8.30am to 4.45pm - 01772 318 818 - Mon to Fri

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (1999/45/EEC) C;R34. Xi;R37.

2.2. Label elements

Contains DISODIUM METASILICATE

Labelling



Corrosive

Risk Phrases

R34 Causes burns.
 R37 Irritating to respiratory system.

Safety Phrases

S2 Keep out of the reach of children.
 S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
 S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 S45 In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).

CRUSADER BOOSTER POWDER

2.3. Other hazards

This product does not contain any PBT or vPvB substances.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

SODIUM CARBONATE	60-100%
CAS-No.: 497-19-8	EC No.: 207-838-8
Classification (EC 1272/2008) Eye Irrit. 2 - H319	Classification (67/548/EEC) Xi;R36
DISODIUM METASILICATE	25-30%
CAS-No.: 6834-92-0	EC No.: 229-912-9
Classification (EC 1272/2008) Skin Corr. 1B - H314 STOT SE 3 - H335	Classification (67/548/EEC) C;R34 Xi;R37
SODIUM DODECYL-BENZENE-SULPHONATE	1-5%
CAS-No.: 25155-30-0	EC No.:
Classification (EC 1272/2008) Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318	Classification (67/548/EEC) Xn;R22. Xi;R38,R41.

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 the exposed person to fresh air at once. Get medical attention if any discomfort continues.

Ingestion

DO NOT INDUCE VOMITING! Rinse mouth thoroughly. Drink a few glasses of water or milk. Get medical attention immediately!

Skin contact

Wash the skin immediately with soap and water. Get medical attention promptly if symptoms occur after washing.

Eye contact

Promptly wash eyes with plenty of water while lifting the eye lids. 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 dependant of the concentration and the length of exposure.

Inhalation.

Irritation of nose, throat and airway.

CRUSADER BOOSTER POWDER

Ingestion

May cause chemical burns in mouth and throat.

Skin contact

Burning pain and severe corrosive skin damage. May cause serious chemical burns to the skin.

Eye contact

Extreme irritation of eyes and mucous membranes, including burning and tearing. Corneal damage.

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

Treat Symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

5.2. Special hazards arising from the substance or mixture

Specific hazards

When heated and in case of fire, harmful vapours/gases may be formed.

5.3. Advice for firefighters

Protective equipment for fire-fighters

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 suitable protective clothing, gloves and eye/face protection. (See sec 8) Avoid inhalation of dust.

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

Small quantities may be flushed to drains with plenty of water. Large Spillages: Pick up with vacuum or absorbent solid, store in closed container for disposal.

6.4. Reference to other sections

For personal protection, see section 8.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Wear suitable protective clothing, gloves and eye/face protection. Avoid inhalation of dust.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry, cool and well-ventilated place.

7.3. 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

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
SODIUM CARBONATE	WEL		5 mg/m ³			

CRUSADER BOOSTER POWDER

WEL = Workplace Exposure Limit.

Ingredient Comments

STEL= Short-Term Exposure Limit (15 minute) & TWA = Time Weighted Average (8 hours). Refers to Respiration of dust.

8.2. Exposure controls

Protective equipment



Engineering measures

Must not be handled in confined space without sufficient ventilation.

Respiratory equipment

Dust filter P2 (for fine dust). If generate dust whilst using - wear Dust Maks to BS2091 Type B or equivalent.

Hand protection

Wear protective gloves. (Household rubber gloves.)

Eye protection

Use approved safety goggles or face shield.

Other Protection

Wear appropriate clothing to prevent any possibility of skin contact.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Granular Powder.
Colour	White / off-white.
Odour	Odourless.
Solubility	Soluble in water.
Initial boiling point and boiling range	N/A
Melting point (°C)	N/A
Relative density	N/A
pH-Value, Diluted Solution	~ 12 @ 1%
Flash point	N/A

9.2. Other information

None.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Reacts violently with strong acids. The product will harden into a hard mass in contact with water and moisture.

10.2. Chemical stability

No particular stability concerns.

10.3. Possibility of hazardous reactions

See sections 10.1, 10.4 & 10.5

10.4. Conditions to avoid

The product will harden into a hard mass in contact with water and moisture.

10.5. Incompatible materials

Materials To Avoid

Strong acids. Aluminium, Tin, Zinc and their alloys.

CRUSADER BOOSTER POWDER

10.6. Hazardous decomposition products

No hazardous decomposition products.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Toxicological information

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.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

Potentially hazardous due to the alkalinity of the product.

12.1. 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

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

This product does not contain any PBT or vPvB substances.

12.6. Other adverse effects

Not known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment 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/ADN) 3253

UN No. (IMDG) 3253

UN No. (ICAO) 3253

14.2. UN proper shipping name

CRUSADER BOOSTER POWDER

Proper Shipping Name DISODIUM TRIOXOSILICATE MIXTURE

14.3. Transport hazard class(es)

ADR/RID/ADN Class Class 8: Corrosive substances.

IMDG Class Class 8: Corrosive substances.

ICAO Class/Division Class 8: Corrosive substances.

Transport Labels



14.4. Packing group

ADR/RID/ADN Packing group III

IMDG Packing group III

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant

No.

14.6. Special precautions for user

EMS F-A, S-B

Tunnel Restriction Code (E)

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

Not relevant for packaged product.

SECTION 15: REGULATORY INFORMATION

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

Guidance Notes

Workplace Exposure Limits EH40.

EU Legislation

Safety Data Sheet prepared in accordance with REACH Commission Regulation (EU) No 453/2010 (which amends Regulation (EC) No 1907/2006). The product is as classified under CHIP Directive 1999/45/EEC Classification, Packaging & Labelling of Dangerous Preparations. 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

Not applicable this product is a mixture.

SECTION 16: OTHER INFORMATION

Information Sources

Material Safety Data Sheet, Misc. manufacturers. CLP Class - Table 3.1 List of harmonised classification and labelling 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.

CRUSADER BOOSTER POWDER

Revision Comments

New Format Safety Data Sheet prepared in accordance with REACH Commission Regulation (EU) No 453/2010 (which amends Regulation (EC) No 1907/2006). - No change in Product Classification - Main change is the move of Labelling elements from Section 15 to Section 2 & Section 3 now has a different layout for the Ingredients and lists their classification in both CHIP & CLP format.

Revision Date 01/10/12

Revision Issue 4

Safety Data Sheet 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

R34 Causes burns.
R22 Harmful if swallowed.
R36 Irritating to eyes.
R37 Irritating to respiratory system.
R38 Irritating to skin.
R41 Risk of serious damage to eyes.

Hazard Statements In Full

H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H302 Harmful if swallowed.
H335 May cause respiratory irritation.