



SAFETY DATA SHEET

CRUSADER BOOSTER POWDER

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

PRODUCT NAME: CRUSADER BOOSTER POWDER

PART No.: C051

IN-HOUSE No.: P.112

APPLICATIONS: Powdered Alkaline Cleaner for Laundry industry

SUPPLIER: Evans Vanodine International
Brierley Road
Walton Summit
Preston. PR5 8AH

TEL: 01772 322200

FAX: 01772 626000

2 COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT NAME	EINECS No.	CAS No.	CONTENTS	SYMBOL	RISK (R No.)
SODIUM CARBONATE	207-838-8	497-19-8	30-100 %	Xi	36
DISODIUM METASILICATE	229-912-9	6834-92-0	30-100 %	C	34, 37
SODIUM DODECYL-BENZENE-SULPHONATE		25155-30-0	1-5 %	Xn	22, 38, 41

The full text for all R-phrases are shown in section 16.

3 HAZARDS IDENTIFICATION

Causes burns.
Irritating to respiratory system.

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

EYES: Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention immediately. Continue to rinse.

5 FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: This material is not flammable. Use extinguishing media appropriate for surrounding fire.

HAZARDOUS DECOMPOSITION PRODUCTS: If involved in fire, may emit noxious fumes.

PROTECTIVE MEASURES IN FIRE: Protective clothing and respiratory protection should be worn when tackling fires involving this product.

CRUSADER BOOSTER POWDER

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS DURING SPILL:

Wear suitable protective clothing, gloves and eye/face protection. Do not breathe dust.

PRECAUTIONS TO PROTECT ENVIRONMENT:

Large spillages or uncontrolled discharges into rivers or streams must be reported to The Environment Agency or other regulatory body.

SPILL CLEANUP METHODS:

Small quantities may be flushed to drains with plenty of water. Larger spill: Absorb in vermiculite, dry sand or earth and place into containers. Send for disposal as special waste.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS:

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

STORAGE PRECAUTIONS:

Keep in cool, dry, ventilated storage and closed containers.

8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

PROTECTIVE EQUIPMENT:



VENTILATION:

Must not be handled in confined space without sufficient ventilation.

RESPIRATORS:

None required.

PROTECTIVE GLOVES:

Household rubber gloves.

EYE PROTECTION:

Use approved safety goggles or face shield.

OTHER PROTECTION:

Wear suitable protective clothing.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Granular. Powder.	COLOUR:	Off-white.
ODOUR/TASTE:	Odourless or no characteristic odour.		
SOLUBILITY DESCRIPTION:	Soluble in water.	BOILING POINT (°C):	N/A
MELTING POINT (°C):	N/A	SPECIFIC GRAVITY (Water=1):	N/A
pH-VALUE:	~12	CONCENTRATION (%M):	1%
FLASH POINT (°C):	N/A		

10 STABILITY AND REACTIVITY

STABILITY:

No particular stability concerns.

CONDITIONS TO AVOID:

Exposure to moisture.

MATERIALS TO AVOID:

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

11 TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:

Refer to section 3.

12 ECOLOGICAL INFORMATION

ENVIRONMENTAL HAZARDS:

Potentially hazardous due to the alkalinity of the product.

BIO ACCUMULATION:

Completely soluble. No bioaccumulation.

DEGRADABILITY:

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

13 DISPOSAL CONSIDERATIONS

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.

CRUSADER BOOSTER POWDER

14 TRANSPORT INFORMATION

LABEL FOR CONVEYANCE:



ROAD:
UN No: 3253
HAZARD CLASS (ADR): Class 8: Corrosive substances.
PROPER SHIPPING NAME I: DISODIUM TRIOXOSILICATE MIXTURE

RAIL:
RAIL TRANSPORT CLASS No: Class 8: Corrosive substances.

SEA:
UN SEA: 3253
SEA TRANSPORT CLASS No: Class 8: Corrosive substances. MARINE POLLUTANT: No.

AIR:
UN AIR: 3253
AIR TRANSPORT CLASS No: Class 8: Corrosive substances.

15 REGULATORY INFORMATION

LABEL FOR SUPPLY:



CORROSIVE

RISK PHRASES: R-34 Causes burns.
R-37 Irritating to respiratory system.

SAFETY PHRASES: S-2 Keep out of reach of children.
S-36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
S-26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S-45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

UK ENVIRONMENTAL LISTINGS: Control of Pollution (Special Waste) Regulations 1980.
EC DIRECTIVES: System of specific information relating to Dangerous Preparations. 91/155.
As amended by Directive 93/112/EC and 2001/58/EC.

STATUTORY INSTRUMENTS: Chemicals (Hazard Information and Packaging) Regulations.
2002

APPROVED CODE OF PRACTICE: The compilation of safety Data Sheets L130.

GUIDANCE NOTES: Occupational Exposure Limits EH40.
Approved guide to the Classification and Labelling of Substances and Preparations Dangerous for Supply. L100

16 OTHER INFORMATION

INFORMATION SOURCES: Approved Supply List - HSC.
Material Safety Data Sheet, Misc. manufacturers.

REVISION COMMENTS: New SDS system.

REVISION DATE: 01/04/03

REVISION No. /REPLACES SDS ISSUED: Issue 1

CRUSADER BOOSTER POWDER

SDS No.:

C051

R-PHRASES (Full Text):

R-22

Harmful if swallowed.

R-34

Causes burns.

R-36

Irritating to eyes.

R-37

Irritating to respiratory system.

R-38

Irritating to skin.

R-41

Risk of serious damage to eyes.