

SAFETY DATA SHEET

According to 1907/2006/EC, Article 31

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

1.1 Product identifier**Product name** CRUSADER**Product type** Liquid1.2 Relevant identified uses of the substance or mixture**PRODUCT USE** Industrial uses: Uses of substances as such or in preparations at Industrial sites;(PC35) Washing and cleaning products**Description** Traffic film remover1.3 Details of the supplier of the safety data sheet**Supplier** Spectrum industrial limited
Bedesway
Bede industrial estate
Jarrow
Tyne & Wear
NE32 3EG
Tel 0191 4301111
Email address sales@spectrum-ind.co.uk1.4 Emergency telephone number 0191 4301111 (9.00am – 5pm Mon-Fri)

SECTION 2 : HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

2.1.1 Classification (67/548/EEC) Xi R36/38

2.1.2 Classification –EC 1272/2008 Skin Irrit2.-H315. Eye Irrit.2:H319

2.2 Label elements

Hazard pictograms



Signal Word	Warning
Hazard Statement	Skin Irrit. 2: H315 – Causes skin irritation Eye Irrit.2:H319 – Causes serious eye irritation
Precautionary Statement: Prevention	P102 – Keep out of reach of children P280 – Wear protective gloves/protective clothing/eye protection/face protection
Precautionary Statement: Response	P301+P330+P331 – IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P302+P352 – IF ON SKIN: Wash with plenty of water P332+P313 – If skin irritation occurs. Get medical advice/attention. P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove Contact lenses, if present and easy to do. Continue rinsing. P337+P313 – If eye irritation persists: Get medical advice/attention

2.3 Other hazards

This product does not contain any PBT or vPvB substances

Supplemental label Information Contains Sodium Metasilicate

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**3.2 Mixtures**

67/548/EEC / 1999/45/EC

Chemical name	Index No	Cas No	EC No	REACH Registration Number	Conc (%w/w)	Classification
Tetrasodium ethylene Diamine tetraacetate	607-428-00-2	64-02-8	200-573-9	01-2119486762-27	1 - 10%	Xn:R20;Xi;R38;R41
Sodium N-(2-carboxyethyl) N-(2-ethylexyl)-alaninate		90170-43-7	290-476-8	01-2119976233-35	1 - 10%	Xi:R36
Sodium Metasilicate		10213-79-3	229-912-9	01-2119449811-37	1 - 10%	C;R34;Xi;R37
C9-11 Alcohol Ethoxylate		68439-46-3			0 - 2%	Xn:R22;Xi:R41
Sodium Hydroxide		1310-73-2	215-185-5	01-2119457892-27	0 - 2%	C:R35
Trisodium Nitritotriacetate	607-620-00-6	5064-31-3	225-768-6	01-2119457892-27	0-2%	Carc.Cat.3:R40;Xn:R22;Xi:R36

EC 1272/2008

Chemical name	Index No	Cas No	EC No	REACH Registration Number	Conc (%w/w)	Classification
Tetrasodium ethylene Diamine tetraacetate	607-428-00-2	64-02-8	200-573-9	01-2119486762-27	1-10%	Met.Corr.1:H290 Acute tox.4:H332 Skin Irrit.2:H315 Eye Dam.1 – H318
Sodium N-(2-carboxyethyl) N-(2-ethylexyl)-alaninate		90170-43-7	290-476-8	01-2119976233-35	1-10%	Eye Irrit.2:H319
Sodium Metasilicate		10213-79-3	229-912-9	01-2119449811-37	1 -10%	Skin Corr.1B – H314 STOT SE3 – H335
C9-11 Alcohol Ethoxylate		68439-46-3			1-10%	Acute Tox.4:H302 Eye Dam 1:H318
Sodium Hydroxide		1310-73-2	215-185-5	01-2119457892-27	0-2%	Met.Corr.1:H290 Skin Corr.1A:H314
Trisodium Nitritotriacetate	607-620-00-6	5064-31-3	225-768-6	01-2119457892-27	0-2%	Carc 2:H351 Acute Tox.4:H302 Eye Irrit2:H319

SECTION 4 : FIRST AID MEASURES**4.1 Description Of first aid measures****Inhalation**

Unlikely route of exposure as the product does not contain volatile substances. If spray mist has been inhaled, move the affected person to fresh air and keep warm and at rest in a position comfortable for breathing.

Ingestion

Ingestion may cause nausea and vomiting. DO NOT INDUCE VOMITING. If swallowed seek medical advice immediately and show this container or label.

Skin contact

Causes Irritation- Wash the skin immediately with soap and water. Get medical attention if discomfort continues

Eye contact

Irritating to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.

Revision 03

4.2 Most important symptoms and effects, both acute and delayed

Inhalation

Inhalation of mist may cause Irritation of nose, throat and airway

Ingestion

Causes Burns to the respiratory tract.

Skin contact

Causes skin irritation if contact prolonged.

Eye contact

Contact with liquid will cause eye irritation and possible eye damage

4.3 Indication of any immediate medical attention and special treatment needed

Treat Symptomatically

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

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

5.2 Special hazards arising from the substance or mixture

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

5.3 Advice for fire-fighters

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

Ensure adequate ventilation of the working area. Evacuate personnel to a safe area. Wear suitable protective equipment.

6.2 Environmental precautions

Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate body.

6.3 Methods and material for containment and cleaning up

Small quantities may be flushed to drains with plenty of water. Large spillages absorb in vermiculite, dry sand or earth and place into containers for disposal. Flush with plenty of water to clean spillage area.

6.4 Reference to other sections

For personal protection see section 8. Collect and dispose of spillage as indicated in section 13

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

For handling undiluted product wear suitable protective clothing, gloves and eye/face protection

7.2 Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry, cool and well-ventilated area. Keep away from Oxidising materials

7.3 Specific end use(s)

The identified uses for this product are detailed in section 1.2

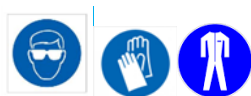
SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Name	STD	
Sodium Hydroxide	WEL	15minute limit 2 mg/m ³
Sodium Metasilicate	WEL	8-hr limit 6.22mg/m ³

WEL = Workplace exposure limit

8.2 Exposure controls



8.2.1 Appropriate engineering Controls

Ensure adequate ventilation of the working area.

8.2.2 Individual Protection Measures

Wear appropriate protective clothing to prevent / avoid skin contact

Eye / face protection

Approved safety goggles or face shield

Hand protection

Wear Protective rubber gloves

Respiratory protection

Respiratory protection not normally required, but if ventilation is insufficient

Respiratory equipment must be available.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

State	Liquid
Colour	Pink
Odour	Mild
Solubility	Soluble in water
pH-value	12.50 – 13.50
Flash point	Boils without flashing
Relative density	1.04 – 1.06 (water = 1 @ 20 C)

9.2 Other information

None

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Avoid contact with acids

10.2 Chemical stability

Stable under normal temperature conditions

10.3 Possibility of hazardous reactions

No significant hazard

10.4 conditions to avoid

There are no known conditions that are likely to result in a hazardous situation

10.5 Incompatible materials

Materials to avoid

Acids

10.6 Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

No information available

Revision 03

11.1.4 Toxicological information

C9-11 Alcohol ethoxylate
Sodium Metasilicate
Trisodium Nitrilotriacetate

Dermal Rat LD50 2000 mg/kg
Oral Rat LD50 1280 mg/kg; Oral Mouse LD50 770mg/kg
Oral rat LD50 1450 mg/kg

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

Not regarded as dangerous for the environment

12.1 Toxicity

C9-11 Alcohol ethoxylate
Sodium Metasilicate
Trisodium Nitrilotriacetate

Daphnia EC50/48h: 5.3 mg/l
Daphnia EC50/48h: 1700 mg/l
Daphnia EC50/48h: 780 mg/l Fish LC50/96h 312mg/l

12.2 Persistence and degradability

The surfactant(s) contained in this mixture comply with the biodegradability criteria as laid down in Regulation (EC) no 684/2004 on detergents.

12.3 Bioaccumulative potential

Not expected to be bioaccumulating

12.4 Mobility in soil

Miscible in water

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

General information

Dispose of in compliance with all local and national regulations.

13.1 Waste treatment methods

Discharge used solutions to drain. Less than 5 litres of unwanted product may be flushed with water to sewer. Larger volumes must be sent for disposal by approved waste contractor.

SECTION 14: TRANSPORT INFORMATION

General

The product is not covered by international regulations on the transport of dangerous Goods (IMDG,IATA,ADR/RID)

14.1 UN number

No information required

14.2 UN proper shipping name

No information required

14.3 Transport hazard class(es)

No information required

Revision 03

14.4 Packing group

No information required

14.5 Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant

NO

14.6 Special precautions for user

No Information required

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

Not relevant for packed product

SECTION 15: REGULATORY INFORMATION**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

Safety data sheet prepared in accordance with REACH commission Regulation (EU) No 453/2010 (which amends Regulation (EC) No 1907/2006). The product is classified under GHS/CLP- Regulation (EC) No 1272/2008 classification, labelling & packaging of substances and mixtures. Ingredients are listed with classification under both CHIP-Directive 67/548/EEC classification, packaging & labelling of dangerous substances & GHS/CLP – Regulations (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**Other information**

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.

Text of risk phrases in section 3

R20	Harmful by inhalation
R22	Harmful if swallowed
R34	Causes burns
R35	Causes severe burns
R36	Irritating to eyes
R37	Irritating to respiratory system
R38	Irritating to skin
R40	Limited evidence of a carcinogenic effect
R41	Risk of serious damage to eyes

Text of hazard statements in section 3

H290	May be corrosive to metals
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H332	Harmful if inhaled
H335	May cause respiratory irritation
H351	Suspected of causing cancer

Revision 03

Further information

The information supplied in this data sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication; however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.