

Productname : Rust Converter
Ref.Nr.: BDS000396_3_20150320 (EN)
Creationdate : 20.03.15 Version : 2.0
Replaces: BDS000396_20110705

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

1.1. Product identifier

Rust Converter
Bulk

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

Anti Corrosion Products

1.3. Details of the supplier of the safety data sheet

CRC Industries UK Ltd.
Ambersil House - Wylds Road
Castlefield Industrial Estate
TA6 4DD Bridgwater Somerset
United Kingdom
Tel.: +44 1278 727200
Fax.: +44 1278 425644
E-mail : hse.uk@crcind.com

1.4. Emergency telephone number

(+44)(0)1278 72 7200

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

| | |
|---------------------|----------------------------------------------------------------------------------------------------------------|
| Physical: | Not classified |
| Health: | Not classified |
| Environment: | Hazardous to the aquatic environment, chronic category 3 Harmful to aquatic life with long lasting effects. |

Classification according to 67/548/EEC or 1999/45/EC:

| | |
|------------------------|-------------------------------------------------------------------------------------------------------|
| Health: | Not classified |
| Physical: | Not classified |
| Environment: | R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| Other hazards : | Not classified |

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2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

None

Hazard statement(s): H412 : Harmful to aquatic life with long lasting effects.

Precautionary statement(s): P102 : Keep out of reach of children.

P273 : Avoid release to the environment.

P501-2 : Dispose of contents/container to an authorised waste collection point.

Dir. 2004/42/EC on the limitation of emissions of volatile organic compounds (VOC) of organic solvents in certain paints and varnishes and vehicle refinishing products Cat. IIA (i) VOC max 140 g /L

2.3. Other hazards

None

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable.

3.2. Mixtures

| Hazardous ingredient | CAS-nr. | EC-nr | w/w % | symbol | R-phrases* | Notes |
|--------------------------------------------------------------------|-----------|-----------|--------|-----------|----------------|-------|
| 2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve | 111-76-2 | 203-905-0 | 2.5-10 | Xn | 20/21/22-36/38 | A |
| 2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether | 112-34-5 | 203-961-6 | 0-2.5 | Xi | 36 | A |
| ORGANIC COMPLEXING AGENT | - | | 0-2.5 | Xn, Xi, N | 22-38-50/53 | |
| zinc oxide | 1314-13-2 | 215-222-5 | 0-0.25 | N | 50/53 | B |

Explanation notes

A : substance with Community workplace exposure limit

B : substance with national established workplace exposure limit

| Hazardous ingredient | Registration number | CAS-nr. | EC-nr | w/w % | Hazard Class and Category | Hazard statement | Notes |
|--------------------------------------------------------------------|---------------------|-----------|-----------|--------|-----------------------------------------------------------------------|--------------------------|-------|
| 2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve | | 111-76-2 | 203-905-0 | 2.5-10 | Acute Tox. 4, Acute Tox. 4, Acute Tox. 4, Eye Irrit. 2, Skin Irrit. 2 | H332,H312,H302,H319,H315 | A |
| 2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether | | 112-34-5 | 203-961-6 | 0-2.5 | Eye Irrit. 2 | H319 | A |
| zinc oxide | | 1314-13-2 | 215-222-5 | 0-0.25 | Aquatic Acute 1, Aquatic Chronic 1 | H400,H410 | B |

Explanation notes

A : substance with Community workplace exposure limit

B : substance with national established workplace exposure limit

(* Explanation phrases : see chapter 16)

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SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Contact with eyes : | If substance has got into eyes, immediately wash out with plenty of water for several minutes Seek medical attention if irritation persists |
| Contact with skin : | Wash with water and soap. Seek medical attention if irritation persists |
| Inhalation : | Fresh air, keep warm and at rest. Seek medical attention if ill effects occur |
| Ingestion : | If swallowed do not induce vomiting Seek medical advice |

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

| | |
|-----------------------|----------------------------------------------------------|
| Inhalation : | No adverse health effects expected |
| Ingestion : | No adverse health effects expected |
| Skin contact : | Mildly irritating to skin Symptoms : redness and pain |
| Eye contact : | Mildly irritating to eyes Symptoms : redness and pain |

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

| | |
|-------------------------|---------------------------------------------------------------------------------------------------------------------|
| General Advice : | If you feel unwell, seek medical advice (show the label where possible) If symptoms persist always call a doctor |
|-------------------------|---------------------------------------------------------------------------------------------------------------------|

SECTION 5: Firefighting measures

5.1. Extinguishing media

foam, carbon dioxide or dry agent

5.2. Special hazards arising from the substance or mixture

Forms hazardous decomposition products
CO,CO2

5.3. Advice for firefighters

Keep container(s) exposed to fire cool, by spraying with water
In case of fire, do not breathe fumes

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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Shut off all ignition sources
 Ensure adequate ventilation
 Wear suitable protective clothing including eye/face protection.

6.2. Environmental precautions

Do not allow to enter public sewers and watercourses
 If polluted water reaches drainage systems or water courses, immediately inform appropriate authorities

6.3. Methods and material for containment and cleaning up

Absorb spillage in suitable inert material

6.4. Reference to other sections

For further information see section 8

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Use only in well ventilated areas
 Avoid contact with skin and eyes.
 Wash thoroughly after use
 Wear protective gloves/protective clothing/eye protection/face protection.

7.2. Conditions for safe storage, including any incompatibilities

Keep in a cool, dry, well ventilated place
 Keep out of reach of children.

7.3. Specific end use(s)

Anti Corrosion Products

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits :

| Hazardous ingredient | CAS-nr. | method | |
|--------------------------------------------------------------------|----------|--------|--------|
| EU established exposure limits: | | | |
| 2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve | 111-76-2 | TWA | 20 ppm |
| | | STEL | 50 ppm |
| 2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether | 112-34-5 | TWA | 10 ppm |
| | | STEL | 15 ppm |

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8.2. Exposure controls

Control procedures : Ensure adequate ventilation
Personal protection : Take precautions to avoid contact with skin and eyes when handling the product.
Ensure adequate ventilation
inhalation : In case of insufficient ventilation, wear suitable respiratory equipment.
recommended respiratory protection: Air purifying respirator equipped with organic gas/vapor cartridge (type A)
hands and skin : Wear suitable protective gloves against chemicals
Recommended gloves: Nitrile
eyes : Wear safety goggles.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Apperance : physical state : Viscous liquid.
colour : Blue-green.
odour : Odorless.
pH : 2.5-3.5
Boiling point/range : Not available.
Flash point : None
Evaporation rate : Not applicable.
Explosion limits : upper limit : Not available.
lower limit : Not available.
Vapour pressure : Not available.
Relative density : 1.2 g/cm³ (@ 20°C).
Solubility in water : Soluble in water
Auto-ignition : > 200 °C

9.2. Other information

VOC: 73 g/l

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reactions known if used for its intended purpose

10.2. Chemical stability

Stable

10.3. Possibility of hazardous reactions

No hazardous reactions known if used for its intended purpose

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10.4. Conditions to avoid

Avoid overheating

10.5. Incompatible materials

Strong oxidising agent

10.6. Hazardous decomposition products

CO,CO2

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Information on likely routes of exposure:

Inhalation : No adverse health effects expected
Ingestion : No adverse health effects expected
Skin contact : May cause irritation.
Eye contact : May cause irritation.

Toxicological data :

No information available

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, chronic category 3
Harmful to aquatic life with long lasting effects.

Ecotoxicological data:

| Hazardous ingredient | CAS-nr. | method | |
|----------------------|-----------|--------------|------------|
| zinc oxide | 1314-13-2 | LC50 fish | 1.1 mg/l |
| | | EC50 daphnia | 0.098 mg/l |

12.2. Persistence and degradability

No experimental data available

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12.3. Bioaccumulative potential

No experimental data available

12.4. Mobility in soil

Soluble in water

12.5. Results of PBT and vPvB assessment

No information available

12.6. Other adverse effects

No experimental data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product : This material and its container must be disposed of in a safe way.
Do not discharge into drains or the environment, dispose to an authorised waste collection point.

National regulations : Disposal should be in accordance with local, state or national legislation

SECTION 14: Transport information

14.1. UN number

UN-number : Not classified as hazardous for transport

14.2. UN proper shipping name

Proper shipping name: Not applicable.

14.3. Transport hazard class(es)

Class: Not applicable.
ADR/RID - Classification code: Not applicable.

14.4. Packing group

Packing group: Not applicable.

14.5. Environmental hazards

ADR/RID - Environmentally hazardous: No

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IMDG - Marine pollutant: No
IATA/ICAO - Environmentally hazardous: No

14.6. Special precautions for user

ADR/RID - Tunnelcode: Not applicable.
IMDG - Ems: Not applicable.
IATA/ICAO - PAX: Not applicable.
IATA/ICAO - CAO: Not applicable.

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

Not applicable.

SECTION 15: Regulatory information

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

The Safety Data Sheet is compiled according to the current European requirements.

EU-directive 99/45/EC

Regulation (EC) No 1272/2008 (CLP)

Regulation (EC) No 1907/2006 (REACH)

15.2. Chemical safety assessment

No information available

SECTION 16: Other information

*Explanation risk-phrases: R22: Harmful if swallowed.
R36: Irritating to eyes.
R38: Irritating to skin.
R20/21/22: Harmful by inhalation, in contact with skin and if swallowed.
R36/38: Irritating to eyes and skin.
R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

*Explanation hazard statements: H302 : Harmful if swallowed.
H312 : Harmful in contact with skin.
H315 : Causes skin irritation.
H319 : Causes serious eye irritation.
H332 : Harmful if inhaled.
H400 : Very toxic to aquatic life.
H410 : Very toxic to aquatic life with long lasting effects.

REVISIONS IN CHAPTRE : 2.2. Label elements

This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal regulation.

The information contained herewith is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It does not guarantee any specific properties.

Apart from any fair dealing for purposes of study, research and review of health, safety and environmental risks,

| | | | |
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