

Productname : Rust Converter      Creationdate : 30.04.19 Version : 4.1  
 Ref.Nr.: BDS000397\_3\_20190430 (EN)      Replaces: BDS000397\_20170629

## 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 Europe bvba  
 Touwslagerstraat 1  
 9240 Zele  
 Belgium  
 Tel.: +32(0)52/45.60.11  
 Fax.: +32(0)52/45.00.34  
 E-mail : hse@crcind.com

Subsidiaries		Tel	Fax
CRC Industries Finland Oy	Smedsgatan 3-5 LT4, PL62, 08101 LOJO	+358/(19)32.921	
CRC Industries France	6, avenue du marais, C.S. 90028, 95102 Argenteuil Cedex	01.34.11.20.00	01.34.11.09.96
CRC Industries Deutschland GmbH	Südring 9, D-76473 Iffezheim	(07229) 303 0	(07229)30 32 66
CRC INDUSTRIES IBERIA S.L.U.	GREMIO DEL CUERO-PARC.96, POLIGONO INDUSTRI. DE HONTORIA, 40195 SEGOVIA	0034/921.427.546	0034/921.436.270
CRC Industries Sweden	Laxfiskevägen 16, 433 38 Partille	0046/31 706 84 80	0046/31 27 39 91

### 1.4. Emergency telephone number

CRC Industries Europe, Belgium: Tel.: +32(0)52/45.60.11 (office hours)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008

**Physical:** Not classified  
 Classification is based on test data.  
**Health:** Reproductive toxicity, category 1B  
 May damage fertility or the unborn child .



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Skin sensitization, category 1  
 May cause an allergic skin reaction.  
 Eye irritation, category 2  
 Causes serious eye irritation.

Classification based on calculation method.

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

Classification based on calculation method.

**Other hazards :** Restricted to professional users.

**Other hazards :** Not classified

## 2.2. Label elements

### Labelling according to Regulation (EC) No 1272/2008

**Product identifier:** Contains:  
 2-Hydroxy-5-nonyl(branched)-benzaldehyde oxime

**Hazard pictogram(s):**



**Signal word:** Danger

**Hazard statement(s):** H360 : May damage fertility or the unborn child .  
 H317 : May cause an allergic skin reaction.  
 H319 : Causes serious eye irritation.  
 H412 : Harmful to aquatic life with long lasting effects.

**Precautionary statement(s):** P201 : Obtain special instructions before use.  
 P202 : Do not handle until all safety precautions have been read and understood.  
 P261 : Avoid breathing dust/fume/gas/mist/vapours/spray.  
 P272 : Contaminated work clothing should not be allowed out of the workplace.  
 P308/313 : IF exposed or concerned: Get medical advice/attention.  
 P333/313 : If skin irritation or rash occurs: Get medical advice/attention.  
 P337/313 : If eye irritation persists: Get medical advice/attention.  
 P405 : Store locked up.  
 P501-2 : Dispose of contents/container to an authorised waste collection point.

**Supplemental Hazard information:** Restricted to professional users.

**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

No information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable.



**CRC Industries Europe bvba**

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### 3.2. Mixtures

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	01-211947108-36	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	01-2119475104-44	112-34-5	203-961-6	<2.5	Eye Irrit. 2	H319	A
zinc oxide	01-2119463881-32	1314-13-2	215-222-5	<2.5	Aquatic Acute 1, Aquatic Chronic 1	H400,H410	B
2-Hydroxy-5-nonyl(branched)-benzaldehyde oxime	01-2119486798-12	174333-80-3	605-717-8	1-2.5	Repr. 1B, Skin Sens. 1, Skin Irrit. 2, Eye Dam. 1, Aquatic Chronic 1	H360,H317,H315,H318,H410	
<b>Explanation notes</b>							
A : substance with Community workplace exposure limit							
B : substance with national established workplace exposure limit							

(\* Explanation phrases : see chapter 16)

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

<b>Contact with eyes :</b>	If substance has got into eyes, immediately wash out with water for at least 15 minutes Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice
<b>Contact with skin :</b>	Take off immediately all contaminated clothing. Wash with water and soap. Seek medical advice
<b>Inhalation :</b>	Fresh air, keep warm and at rest. Seek medical attention if ill effects occur
<b>Ingestion :</b>	If swallowed accidentally, do not induce vomiting and seek medical advice.

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

<b>Inhalation :</b>	Excessive inhalation of solvent vapours may give rise to nausea, headaches and dizziness Symptoms : sore throat, cough
<b>Ingestion :</b>	May cause gastrointestinal disturbances Symptoms : sore throat, abdominal pain, nausea, vomiting
<b>Skin contact :</b>	May cause sensitization by skin contact. Irritating to skin Symptoms : redness and pain
<b>Eye contact :</b>	Irritating to eyes Symptoms : redness and pain, impaired vision

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



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**General Advice :** If you feel unwell, seek medical advice (show the label where possible)  
If symptoms persist always call a doctor  
May cause adverse reproductive effects

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

foam, carbon dioxide or dry agent

### 5.2. Special hazards arising from the substance or mixture

May give off noxious and toxic fumes in a fire

### 5.3. Advice for firefighters

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

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with skin and eyes.  
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

Do not breathe aerosols or vapours.  
Ensure adequate ventilation  
Avoid contact with skin and eyes.



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Wash thoroughly after use  
 Wear protective gloves/protective clothing/eye protection/face protection.  
 Eyewash bottles should be available

## 7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed, in a cool, 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	
<b>EU established exposure limits:</b>			
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
<b>National established exposure limits, United Kingdom</b>			
2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve	111-76-2	TWA	25 ppm
		STEL	50 ppm
2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether	112-34-5	TWA	10 ppm
		STEL	15 ppm
<b>National established exposure limits, Ireland</b>			
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

## 8.2. Exposure controls

**Control procedures :** Ensure adequate ventilation

**Personal protection :** Take precautions to avoid contact with skin and eyes when handling the product.  
 It is good practice to wear gloves and to provide adequate ventilation whenever using the product.  
 In all cases handle and use the product in accordance with good industrial hygiene practices.

**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 :** When handling the product wear chemical-resistant gloves (standard EN 374).



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Use a reusable glove with a minimum breakthrough time of 30 minutes. The breakthrough time of the glove should be longer than the total duration of product use. If work lasts longer than the breakthrough time, gloves should be changed part-way through.

Recommended gloves: Nitrile  
**eyes :** Wear safety eyewear according to EN 166.

## 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/cm<sup>3</sup> (@ 20°C).  
**Solubility in water :** Soluble in water  
**Auto-ignition :** > 200 °C

### 9.2. Other information

**VOC = volatile organic compounds** 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

In case of fire, do not breathe fumes  
May give off noxious and toxic fumes in a fire

### 10.4. Conditions to avoid

heat



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### 10.5. Incompatible materials

Strong oxidising agent

### 10.6. Hazardous decomposition products

CO,CO2

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

<b>acute toxicity:</b>	based on available data the classification criteria are not met
<b>skin corrosion/irritation:</b>	based on available data the classification criteria are not met
<b>serious eye damage/irritation:</b>	Causes serious eye irritation.
<b>respiratory or skin sensitisation:</b>	May cause an allergic skin reaction.
<b>germ cell mutagenicity:</b>	based on available data the classification criteria are not met
<b>carcinogenicity:</b>	based on available data the classification criteria are not met
<b>toxicity for reproduction:</b>	May damage fertility or the unborn child .
<b>STOT-single exposure:</b>	based on available data the classification criteria are not met
<b>STOT repeated exposure:</b>	based on available data the classification criteria are not met
<b>aspiration hazard:</b>	based on available data the classification criteria are not met

### Information on likely routes of exposure:

<b>Inhalation :</b>	Excessive inhalation of solvent vapours may give rise to nausea, headaches and dizziness
<b>Ingestion :</b>	May cause gastrointestinal disturbances
<b>Skin contact :</b>	May cause sensitization by skin contact.
<b>Eye contact :</b>	Irritating to eyes

### Toxicological data :

Hazardous ingredient	CAS-nr.	method	
2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve	111-76-2	LD50 oral rat	1480 mg/kg
		LC50 inhal.rat	500 ppm
2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether	112-34-5	LD50 oral rat	6580 mg/kg
		LD50 derm.rabit	4120 mg/kg
zinc oxide	1314-13-2	LD50 oral rat	7950 mg/kg
		LC50 inhal.rat	> 5.7 mg/l

## SECTION 12: Ecological information

### 12.1. Toxicity

Hazardous to the aquatic environment, chronic category 3



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Harmful to aquatic life with long lasting effects.

#### Ecotoxicological data:

Hazardous ingredient	CAS-nr.	method	
zinc oxide	1314-13-2	IC50 algae	0.136 mg/l
		LC50 fish	0.169 mg/l
		EC50 daphnia	1.7 mg/l

#### 12.2. Persistence and degradability

No experimental data available

#### 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

Do not discharge into drains or the environment, dispose to an authorised waste collection point.

### 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.



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#### 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  
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 MARPOL 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.  
Regulation (EC) No 1907/2006 (REACH)  
Regulation (EC) No 1272/2008 (CLP)

#### 15.2. Chemical safety assessment

No information available

### SECTION 16: Other information

\*Explanation hazard statements: H302 : Harmful if swallowed.  
H312 : Harmful in contact with skin.  
H315 : Causes skin irritation.  
H317 : May cause an allergic skin reaction.  
H318 : Causes serious eye damage.  
H319 : Causes serious eye irritation.  
H332 : Harmful if inhaled.



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H360 : May damage fertility or the unborn child .  
H400 : Very toxic to aquatic life.  
H410 : Very toxic to aquatic life with long lasting effects.

acronyms and synonyms: TWA = time weight average  
STEL = short time exposure limit  
VOC = volatile organic compounds  
PBT = persistant bioaccumulative toxic  
vPvB = very persitant very bioaccumulative

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, no part of these documents may be reproduced by any process without written permission from CRC.

