

**Productname :** Corrosion Inhibitor  
**Ref.Nr.:** UDS000522\_3\_20160126 (EN)

**Creationdate :** 26.01.16 Version : 1.0  
**Replaces:** UDS000522\_20160113

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

### 1.1. Product identifier

Corrosion Inhibitor  
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 - Wylids 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

<b>Physical:</b>	Flammable liquid, category 3 Flammable liquid and vapour.
<b>Health:</b>	Aspiration Hazard Category 1 May be fatal if swallowed and enters airways. Eye irritation, category 2 Causes serious eye irritation.
<b>Environment:</b>	Hazardous to the aquatic environment, chronic category 2 Toxic to aquatic life with long lasting effects.
<b>Other hazards :</b>	Repeated exposure may cause skin dryness or cracking.
<b>Other hazards :</b>	Not classified

### 2.2. Label elements







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

<b>Product identifier:</b>	Contains: Hydrocarbons, C10-C12, Isoalkanes,
<b>Hazard pictogram(s):</b>	   
<b>Signal word:</b>	Danger
<b>Hazard statement(s):</b>	H226 : Flammable liquid and vapour. H304 : May be fatal if swallowed and enters airways. H319 : Causes serious eye irritation. H411 : Toxic to aquatic life with long lasting effects.
<b>Precautionary statement(s):</b>	P101 : If medical advice is needed, have product container or label at hand. P102 : Keep out of reach of children. P210 : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P273 : Avoid release to the environment. P301/310 : IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P331 : Do NOT induce vomiting. P405 : Store locked up. P501-2 : Dispose of contents/container to an authorised waste collection point.
<b>Supplemental Hazard information:</b>	Repeated exposure may cause skin dryness or cracking.

### 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
Hydrocarbons, C10-C12, Isoalkanes,	-	EC923-037-21	60-100	Xn	10-65-66-53	
(2-methoxymethylethoxy)propanol	34590-94-8	252-104-2	1-5	-	-	A
ethanol; ethyl alcohol	64-17-5	200-578-6	1-5			B
methanol	67-56-1	200-659-6	0-1	F,T	11-23/24/25-39/23/24/25	A
<b>Explanation notes</b>						
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
Hvdrocarbons, C10-C12	01-	-	FC.923-	60-	Flam. l in. 3 Asp. Tox. 1	H226 H304 H411	

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Isoalkanes,	2119471991-29		037-21	100	Aquatic Chronic 2		
(2-methoxymethylethoxy)propanol	01-2119450011-60	34590-94-8	252-104-2	1-5	-	-	A
ethanol; ethyl alcohol	01-2119457610-43	64-17-5	200-578-6	1-5	Flam. Liq. 2, Eye Irrit. 2	H225,H319	B
methanol		67-56-1	200-659-6	0-1	Flam. Liq. 2, Acute Tox. 3, Acute Tox. 3, Acute Tox. 3, STOT SE 1	H225,H331,H311,H301,H370	A

**Explanation notes**

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 attention if irritation persists
<b>Contact with skin :</b>	Remove contaminated clothing immediately and drench affected skin with plenty of water Wash with water and soap. Seek medical attention if irritation persists
<b>Inhalation :</b>	Fresh air, keep warm and at rest. Seek medical attention if ill effects occur
<b>Ingestion :</b>	If swallowed do not induce vomiting because of risk of aspiration into the lungs. If aspiration is suspected obtain immediate medical attention

**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
<b>Ingestion :</b>	After vomiting of swallowed product aspiration into lungs is likely. Solvents may induce chemical pneumonia. Symptoms : sore throat, abdominal pain, nausea, vomiting
<b>Skin contact :</b>	Repeated exposure may cause skin dryness or cracking. 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**

<b>General Advice :</b>	If you feel unwell, seek medical advice (show the label where possible) If symptoms persist always call a doctor
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**SECTION 5: Firefighting measures**


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### 5.1. Extinguishing media

foam, carbon dioxide or dry agent

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

May form explosive vapour/air mixtures  
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

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

### 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

Keep away from heat and sources of ignition  
Take precautionary measures against static discharges  
Equipment should be earthed  
Use explosion-proof electrical/ventilating/lighting/.../equipment.  
Use only non-sparking tools.  
Do not breathe aerosols or vapours.  
Ensure adequate ventilation  
Avoid contact with skin and eyes.  
Wash thoroughly after use



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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-methoxymethylethoxy)propanol	34590-94-8	TWA	50 ppm
methanol	67-56-1	TWA	200 ppm
<b>National established exposure limits, United Kingdom</b>			
(2-methoxymethylethoxy)propanol	34590-94-8	TWA	50 ppm
ethanol; ethyl alcohol	64-17-5	TWA	1000 ppm
methanol	67-56-1	TWA	200 ppm
		STEL	250 ppm

## 8.2. Exposure controls

<b>Control procedures :</b>	Ensure adequate ventilation Keep away from heat and sources of ignition Take precautionary measures against static discharges
<b>Personal protection :</b>	Take precautions to avoid contact with skin and eyes when handling the product. Ensure adequate ventilation
<b>inhalation :</b>	In case of insufficient ventilation, wear suitable respiratory equipment.
<b>hands and skin :</b>	Wear suitable protective gloves
Recommended gloves:	Nitrile
<b>eyes :</b>	Wear safety goggles according to EN 166.

# SECTION 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

**Apperance : physical state :** Liquid.  
**colour :** Brown.



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**odour :** Characteristic odor.  
**pH :** Not available.  
**Boiling point/range :** 77 °C  
**Flash point :** 39 °C (Closed Cup)  
**Evaporation rate :** Not available.  
**Explosion limits : upper limit :** 19 %  
**lower limit :** 0.6 %  
**Vapour pressure :** Not available.  
**Relative density :** 0.81 g/cm<sup>3</sup> (@ 20°C).  
**Solubility in water :** Insoluble in water  
**Auto-ignition :** > 200 °C  
**Viscosity :** Not available.

## 9.2. Other information

# 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

## 10.4. Conditions to avoid

Avoid overheating

## 10.5. Incompatible materials

Strong oxidising agent

## 10.6. Hazardous decomposition products

CO,CO<sub>2</sub>

# SECTION 11: Toxicological information

## 11.1. Information on toxicological effects

### Information on likely routes of exposure:

**Inhalation :** Inhalation of solvent vapours may give rise to nausea, headaches and



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**Ingestion :** dizziness  
 After vomiting of swallowed product aspiration into lungs is likely. Solvents may induce chemical pneumonia.

**Skin contact :** Repeated exposure may cause skin dryness or cracking.

**Eye contact :** Irritating to eyes

#### Toxicological data :

Hazardous ingredient	CAS-nr.	method	
(2-methoxymethylethoxy)propanol	34590-94-8	LD50 oral rat	> 4000 mg/kg
		LD50 derm.rabit	9510 mg/kg
ethanol; ethyl alcohol	64-17-5	LD50 oral rat	> 2000 mg/kg
		LD50 derm.rabit	> 2000 mg/kg

## SECTION 12: Ecological information

### 12.1. Toxicity

Hazardous to the aquatic environment, chronic category 2  
 Toxic to aquatic life with long lasting effects.

#### Ecotoxicological data:

Hazardous ingredient	CAS-nr.	method	
(2-methoxymethylethoxy)propanol	34590-94-8	EC50 daphnia	1919 mg/l
ethanol; ethyl alcohol	64-17-5	LC50 fish	> 100 mg/l

### 12.2. Persistence and degradability

No information available

### 12.3. Bioaccumulative potential

No information available

### 12.4. Mobility in soil

Insoluble in water

### 12.5. Results of PBT and vPvB assessment

No information available

### 12.6. Other adverse effects

No information available

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## 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.

**Contaminated packaging :** Disposal should be in accordance with local, state or national legislation

## SECTION 14: Transport information

### 14.1. UN number

UN-number : 3295

### 14.2. UN proper shipping name

Proper shipping name: HYDROCARBONS, LIQUID, N.O.S. (isodecanes, undecanes)

### 14.3. Transport hazard class(es)

Class: 3  
ADR/RID - Classification code: F1

### 14.4. Packing group

Packing group: III

### 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: (D/E)  
IMDG - Ems: F-E, S-D  
IATA/ICAO - PAX: 355  
IATA/ICAO - CAO: 366

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

Not applicable.



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## 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:

- R10: Flammable.
- R11: Highly flammable.
- R53: May cause long-term adverse effects in the aquatic environment.
- R65: Harmful: may cause lung damage if swallowed.
- R66: Repeated exposure may cause skin dryness or cracking.
- R23/24/25: Toxic by inhalation, in contact with skin and if swallowed.
- R39/23/24/25: Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

\*Explanation hazard statements: - : -

- H225 : Highly flammable liquid and vapour.
- H226 : Flammable liquid and vapour.
- H301 : Toxic if swallowed.
- H304 : May be fatal if swallowed and enters airways.
- H311 : Toxic in contact with skin.
- H319 : Causes serious eye irritation.
- H331 : Toxic if inhaled.
- H370 : Causes damage to organs .
- H411 : Toxic to aquatic life with long lasting effects.

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.