

**Productname :** Cold Galvanise  
**Ref.Nr.:** BDS001353\_3\_20140910 (EN)  
**Creationdate :** 10.09.14 Version : 2.0  
**Replaces:** BDS001353\_20120702

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

### 1.1. Product identifier

**Cold Galvanise**  
Aerosol

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

Paints

### 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

<b>Physical:</b>	Aerosols, category 1 Extremely flammable aerosol. Pressurised container: May burst if heated.
<b>Health:</b>	Eye irritation, category 2 Causes serious eye irritation.
<b>Environment:</b>	Hazardous to the aquatic environment, acute category 1 Very toxic to aquatic life. Hazardous to the aquatic environment, chronic category 1 Very toxic to aquatic life with long lasting effects.
<b>Other hazards :</b>	Contains: 2-butanone oxime; ethyl methyl ketoxime; ethyl methyl ketone oxime May produce an allergic reaction.

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

EXTREMELY FLAMMABLE

N : DANGEROUS FOR THE ENVIRONMENT

<b>Health:</b>	R66: Repeated exposure may cause skin dryness or cracking. R67: Vapours may cause drowsiness and dizziness.
<b>Physical:</b>	EXTREMELY FLAMMABLE
<b>Environment:</b>	R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**2.2. Label elements****Labelling according to Regulation (EC) No 1272/2008**

Hazard pictogram(s):



<b>Signal word:</b>	Danger
<b>Hazard statement(s):</b>	H222 : Extremely flammable aerosol. H229 : Pressurised container: May burst if heated. H319 : Causes serious eye irritation. H410 : Very toxic to aquatic life with long lasting effects.
<b>Precautionary statement(s):</b>	P102 : Keep out of reach of children. P210 : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P211 : Do not spray on an open flame or other ignition source. P251 : Do not pierce or burn, even after use. P280 : Wear protective gloves/protective clothing/eye protection/face protection. P337/313 : If eye irritation persists: Get medical advice/attention. P333/313 : If skin irritation or rash occurs: Get medical advice/attention. P410/412 : Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. P501-2 : Dispose of contents/container to an authorised waste collection point.
<b>Supplemental Hazard information:</b>	Contains: 2-butanone oxime; ethyl methyl ketoxime; ethyl methyl ketone oxime May produce an allergic reaction.

**2.3. Other hazards**

None

**SECTION 3: Composition/information on ingredients****3.1. Substances**

Not applicable.

**3.2. Mixtures**

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Hazardous ingredient	CAS-nr.	EC-nr	w/w %	symbol	R-phrases*	Notes
dimethyl ether	115-10-6	204-065-8	30-60	F+	12	A
zinc powder - zinc dust (stabilized)	7440-66-6	231-175-3	10-30	N	50/53	
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane	-	921-024-6	5-10	F, Xn, N	11-38-51/53-65-67	B
butanone; ethyl methyl ketone	78-93-3	201-159-0	<10	F, Xi	11-36-66-67	A
zinc oxide	1314-13-2	215-222-5	1-5	N	50/53	B
Naphtha (petroleum), hydrotreated light	64742-49-0	265-151-9	1-5	Xn	65	B, P
Naphtha (petroleum), hydrodesulfurized heavy	64742-82-1	265-185-4	1-5	N	10-51/53-66-67	B, P
1,2,4-trimethylbenzene	95-63-6	202-436-9	<1	Xn, N	10-20-36/37/38-51/53	A
2-(3-heptyl)-N-butyl-1,3-oxazolane	165101-57-5	425-660-0	<1	N	51/53	
butan-1-ol; n-butanol	71-36-3	200-751-6	<2.5	Xn	10-22-37/38-41-67	B

**Explanation notes**

A : substance with Community workplace exposure limit

B : substance with national established workplace exposure limit

P : not classified as carcinogen, less than 0.1% w/w benzene (Einecs-nr. 200-753-7)

Hazardous ingredient	Registration number	CAS-nr.	EC-nr	w/w %	Hazard Class and Category	Hazard statement	Notes
dimethyl ether	01-2119472128-37	115-10-6	204-065-8	30-60	Flam. Gas 1, Press. Gas	H220, H280	A
zinc powder - zinc dust (stabilized)		7440-66-6	231-175-3	10-30	Aquatic Acute 1, Aquatic Chronic 1	H400, H410	
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane	01-2119475514-35	-	921-024-6	5-10	Flam. Liq. 2, Skin Irrit. 2, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2	H225, H315, H336, H304, H411	B
butanone; ethyl methyl ketone	01-2119457290-43	78-93-3	201-159-0	<10	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3	H225, H319, H336	A
zinc oxide		1314-13-2	215-222-5	1-5	Aquatic Acute 1, Aquatic Chronic 1	H400, H410	B
Naphtha (petroleum), hydrotreated light		64742-49-0	265-151-9	1-5	Asp. Tox. 1	H304	B, P
Naphtha (petroleum), hydrodesulfurized heavy		64742-82-1	265-185-4	1-5	Flammable liquid, category 2, Specific target organ toxicity - single exposure, category 3, Aspiration Hazard Category 1, Hazardous to the aquatic environment, chronic category 2	H225, H336, H304, H411	B, P
1,2,4-trimethylbenzene	ABNA	95-63-6	202-436-9	<1	Flam. Liq. 3, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, STOT SE 3, Aquatic Chronic 2	H226, H332, H315, H319, H335, H411	A
2-(3-heptyl)-N-butyl-1,3-oxazolane		165101-57-5	425-660-0	<1	Aquatic Chronic 2	H411	
butan-1-ol; n-butanol	01-	71-36-3	200-	<2.5	Flam. Liq. 3, Acute Tox.	H226, H302, H335, H315, H318, H335, H336	B

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2119484630-38	751-6	4, STOT SE 3, Skin Irrit. 2, Eye Dam. 1, STOT SE 3, STOT SE 3
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**Explanation notes**

A : substance with Community workplace exposure limit

B : substance with national established workplace exposure limit

P : not classified as carcinogen, less than 0.1% w/w benzene (Einecs-nr. 200-753-7)

(\* Explanation phrases : see chapter 16)

**SECTION 4: First aid measures****4.1. Description of first aid measures**

<b>Contact with eyes :</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
<b>Contact with skin :</b>	Take off contaminated clothing and wash before reuse. IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.
<b>Inhalation :</b>	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
<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
<b>Ingestion :</b>	May cause gastrointestinal disturbances Symptoms : sore throat, abdominal pain, nausea, vomiting
<b>Skin contact :</b>	May cause irritation. Symptoms : redness and pain
<b>Eye contact :</b>	Irritating to eyes Symptoms : redness and pain

**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****5.1. Extinguishing media**

foam, carbon dioxide or dry agent

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

Aerosols may explode if heated above 50°C

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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 and gloves.

### 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  
Place in appropriate container

### 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  
Wear protective gloves/protective clothing/eye protection/face protection.  
Eyewash bottles should be available

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

Pressurized container : protect from sunlight and do not expose to temperatures exceeding 50°C.

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Keep out of reach of children.

### 7.3. Specific end use(s)

Paints

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Exposure limits :

Hazardous ingredient	CAS-nr.	method	
<b>EU established exposure limits:</b>			
dimethyl ether	115-10-6	TWA	1000 ppm
butanone; ethyl methyl ketone	78-93-3	TWA	200 ppm
		STEL	300 ppm
1,2,4-trimethylbenzene	95-63-6	TWA	20 ppm
<b>National established exposure limits, United Kingdom</b>			
dimethyl ether	115-10-6	TWA	400 ppm
		STEL	500 ppm
butanone; ethyl methyl ketone	78-93-3	TWA	200 ppm
		STEL	300 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. Air purifying respirator equipped with organic gas/vapor cartridge (type A or AX)
<b>hands and skin :</b>	Wear suitable protective gloves against chemicals
<b>eyes :</b>	Wear safety goggles.
<b>Environmental protection:</b>	Avoid release to the environment. Collect spillage.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

(for aerosols data for the product without propellant)

**Apperance : physical state :** DME propelled liquid.  
**colour :** Grey.  
**odour :** Characteristic odor.

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**pH :** Not applicable.  
**Boiling point/range :** Not available.  
**Flash point :** < 0 °C  
**Evaporation rate :** Not available.  
**Explosion limits : upper limit :** Not available.  
**lower limit :** Not available.  
**Vapour pressure :** Not available.  
**Relative density :** 1.45 g/cm<sup>3</sup> (@ 20°C).  
**Solubility in water :** Insoluble in water  
**Auto-ignition :** > 200 °C

## 9.2. Other information

**VOC:** 640 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

### 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

**Inhalation :** Inhalation of solvent vapours may give rise to nausea, headaches and dizziness  
**Ingestion :** May cause gastrointestinal disturbances

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**Skin contact :** May cause irritation.  
**Eye contact :** Irritating to eyes

**Toxicological data :**

Hazardous ingredient	CAS-nr.	method	
Naphtha (petroleum), hydrodesulfurized heavy	64742-82-1	LD50 oral rat	> 2000 mg/kg
butanone; ethyl methyl ketone	78-93-3	LD50 oral rat	> 2000 mg/kg
Hydrocarbons, C6-C7, n-alkanes,isoalkanes,cyclics,< 5% n-hexane	-	LD50 oral rat	> 5000 mg/kg
		LC50 inhal.rat	> 25000 mg/m3
		LD50 derm.rat	> 2000 mg/kg

**SECTION 12: Ecological information****12.1. Toxicity**

Hazardous to the aquatic environment, acute category 1  
 Very toxic to aquatic life.  
 Hazardous to the aquatic environment, chronic category 1  
 Very toxic 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
Naphtha (petroleum), hydrodesulfurized heavy	64742-82-1	IC50 algae	1 - 10 mg/l
		LC50 fish	10 - 100 mg/l
		EC50 daphnia	10 - 100 mg/l
Hydrocarbons, C6-C7, n-alkanes,isoalkanes,cyclics,< 5% n-hexane	-	LC50 fish	> 10 mg/l
		EC50 daphnia	3 mg/l

**12.2. Persistence and degradability**

No experimental data available

**12.3. Bioaccumulative potential**

No experimental data available

**12.4. Mobility in soil**

Insoluble in water

**12.5. Results of PBT and vPvB assessment**



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No information available

## 12.6. Other adverse effects

## 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 : 1950

### 14.2. UN proper shipping name

Proper shipping name: AEROSOLS (Zinc)

### 14.3. Transport hazard class(es)

Class: 2.1  
ADR/RID - Classification code: 5F

### 14.4. Packing group

Packing group: Not applicable.

### 14.5. Environmental hazards

ADR/RID - Environmentally hazardous: Yes  
IMDG - Marine pollutant: Marine pollutant  
IATA/ICAO - Environmentally hazardous: Yes

### 14.6. Special precautions for user

ADR/RID - Tunnelcode: (D)  
IMDG - Ems: F-D, S-U  
IATA/ICAO - PAX: 203  
IATA/ICAO - CAO: 203

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

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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.  
Dir. 2013/10/EU, 2008/47/EC amendment of the aerosol dispenser directive 75/324/EEC.  
Regulation (EC) No 1907/2006 (REACH)  
EU-directive 99/45/EC  
Regulation (EC) No 1272/2008 (CLP)

### 15.2. Chemical safety assessment

No information available

## SECTION 16: Other information

\*Explanation risk-phrases:

- R10: Flammable.
- R11: Highly flammable.
- R12: Extremely flammable.
- R20: Harmful by inhalation.
- R22: Harmful if swallowed.
- R36: Irritating to eyes.
- R38: Irritating to skin.
- R41: Risk of serious damage to eyes.
- R65: Harmful: may cause lung damage if swallowed.
- R66: Repeated exposure may cause skin dryness or cracking.
- R67: Vapours may cause drowsiness and dizziness.
- R36/37/38: Irritating to eyes, respiratory system and skin.
- R37/38: Irritating to respiratory system and skin.
- R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

\*Explanation hazard statements:

- H220 : Extremely flammable gas.
- H225 : Highly flammable liquid and vapour.
- H226 : Flammable liquid and vapour.
- H280 : Contains gas under pressure; may explode if heated.
- H302 : Harmful if swallowed.
- H304 : May be fatal if swallowed and enters airways.
- H315 : Causes skin irritation.
- H318 : Causes serious eye damage.
- H319 : Causes serious eye irritation.
- H332 : Harmful if inhaled.
- H335 : May cause respiratory irritation.
- H336 : May cause drowsiness or dizziness.
- H400 : Very toxic to aquatic life.
- H410 : Very toxic to aquatic life with long lasting effects.
- H411 : Toxic to aquatic life with long lasting effects.

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**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.

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