

Productname : ZINC PRIMER  
Ref.Nr.: BDS000186\_3\_20110606

Creationdate : 06.06.11 Version : 1.0  
Replaces: UK10175

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

### 1.1. Product identifier

ZINC PRIMER  
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 67/548/EEC or 1999/45/EC:

Health:	not classified
Physical:	EXTREMELY FLAMMABLE
Environment:	R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### 2.2. Label elements

Contains  
2-butanone oxime; ethyl methyl ketoxime; ethyl methyl ketone oxime  
May produce an allergic reaction.

Warning symbol(s) : EXTREMELY FLAMMABLE



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**Risk-phrase(s) :** R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Safety-phrase(s) :** S2: Keep out of the reach of children.  
 S23: Do not breathe vapours/spray.  
 S51: Use only in well-ventilated areas.  
 S16: Keep away from sources of ignition - No smoking.  
 S35: This material and its container must be disposed of in a safe way.

**Extra label elements according to Aerosol Dispenser Directive 75/324/EC:** Without adequate ventilation formation of explosive mixtures may be possible.

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material.

### 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
dimethyl ether	115-10-6	204-065-8	30-60	F+	12	A
xylene	1330-20-7	215-535-7	5-15	Xn	10-20/21-38	A
4-methylpentan-2-one; isobutyl methyl ketone	108-10-1	203-550-1	1-10	F,Xn	11-20-36/37-66	A
1,2,4-trimethylbenzene	95-63-6	202-436-9	0-5	Xn,N	10-20-36/37/38-51/53	A
ethylbenzene	100-41-4	202-849-4	1-5	F,Xn	11-20	A
1-methoxy-2-propanol; monopropylene glycol methyl ether	107-98-2	203-539-1	1-5		10-67	A
mesitylene 1,3,5-trimethylbenzene	108-67-8	203-604-4	0-5	Xi,N	10-37-51/53	A
zinc oxide	1314-13-2	215-222-5	0-5	N	50/53	B
trizinc bis(orthophosphate)	7779-90-0	231-944-3	0-5	N	50/53	
2-butanone oxime; ethyl methyl ketoxime; ethyl methyl ketone oxime	96-29-7	202-496-6	<1	Xn	21-40-41-43	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
dimethyl ether		115-10-6	204-065-8	30-60	Flam. Gas 1, Press. Gas	H220	A
xylene		1330-	215-	5-15	Flam. Liq. 3, Acute Tox.	H226, H332, H312, H315	A

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		20-7	535-7		4,Acute Tox. 4,Skin Irrit. 2		
4-methylpentan-2-one; isobutyl methyl ketone		108-10-1	203-550-1	1-10	Flam. Liq. 2,Acute Tox. 4,Eye Irrit. 2,STOT SE 3	H225,H332,H319,H335	A
ethylbenzene		100-41-4	202-849-4	1-5	Flam. Liq. 2,Acute Tox. 4	H225,H332	A
mesitylene 1,3,5-trimethylbenzene		108-67-8	203-604-4	0-5	Flam. Liq. 3,STOT SE 3,Aquatic Chronic 2	H226,H335,H411	A
zinc oxide		1314-13-2	215-222-5	0-5	Aquatic Acute 1,Aquatic Chronic 1	H400,H410	B
trizinc bis(orthophosphate)		7779-90-0	231-944-3	0-5	Aquatic Acute 1,Aquatic Chronic 1	H400,H410	
1,2,4-trimethylbenzene		95-63-6	202-436-9	0-5	Flam. Liq. 3,Acute Tox. 4,Eye Irrit. 2,STOT SE 3,Skin Irrit. 2,Aquatic Chronic 2	H226,H332,H319,H335,H315,H411	A
2-butanone oxime; ethyl methyl ketoxime; ethyl methyl ketone oxime		96-29-7	202-496-6	<1	Carc. 2,Acute Tox. 4,Eye Dam. 1,Skin Sens. 1	H351,H312,H318,H317	B
<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 plenty of water Seek medical attention if irritation persists
<b>Contact with skin :</b>	Remove contaminated clothing immediately and drench affected skin with plenty of water. Then wash with soap and water 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>	Ingestion is unlikely to occur 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 induce chemical pneumonia. Symptoms : sore throat, abdominal pain, nausea, vomiting
<b>Skin contact :</b>	May cause irritation. Symptoms : redness and pain
<b>Eye contact :</b>	May cause irritation. 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  
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.



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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.

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

Pressurized container : protect from sunlight and do not expose to temperatures exceeding 50°C.  
 Keep in a cool, dry, well ventilated place  
 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>			
ethylbenzene	100-41-4	TWA	100 ppm
		STEL	200 ppm
1-methoxy-2-propanol; monopropylene glycol methyl ether	107-98-2	TWA	100 ppm
		STEL	150 ppm
4-methylpentan-2-one; isobutyl methyl ketone	108-10-1	TWA	20 ppm
		STEL	50 ppm
mesitylene 1,3,5-trimethylbenzene	108-67-8	TWA	20 ppm
dimethyl ether	115-10-6	TWA	1000 ppm
xylene	1330-20-7	TWA	50 ppm
		STEL	100 ppm
1,2,4-trimethylbenzene	95-63-6	TWA	20 ppm
<b>National established exposure limits, United Kingdom</b>			
ethylbenzene	100-41-4	TWA	100 ppm
		STEL	125 ppm
1-methoxy-2-propanol; monopropylene glycol methyl ether	107-98-2	TWA	100 ppm
		STEL	150 ppm
dimethyl ether	115-10-6	TWA	400 ppm
		STEL	500 ppm
xylene	1330-20-7	TWA	50 ppm

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		STEL	100 ppm
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## 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 (nitrile)
<b>eyes :</b>	Wear safety goggles.

## SECTION 9: Physical and chemical properties

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

<b>Apperance : physical state :</b>	DME propelled liquid.
<b>colour :</b>	See color cap.
<b>odour :</b>	Characteristic odor.
<b>pH :</b>	Not applicable.
<b>Boiling point/range :</b>	Not available.
<b>Flash point :</b>	15 °C (Closed Cup)
<b>Evaporation rate :</b>	Not available.
<b>Explosion limits : upper limit :</b>	Not available.
<b>lower limit :</b>	Not available.
<b>Vapour pressure :</b>	Not available.
<b>Relative density :</b>	1.08 g/cm <sup>3</sup> (@ 20°C).
<b>Solubility in water :</b>	Insoluble in water
<b>Auto-ignition :</b>	> 200 °C
<b>Viscosity :</b>	Not available.

### 9.2. Other information

No information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No hazardous reactions known if used for its intended purpose

### 10.2. Chemical stability

Stable



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### 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,CO2

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

<b>Inhalation :</b>	Inhalation of solvent vapours may give rise to nausea, headaches and dizziness
<b>Ingestion :</b>	May cause gastrointestinal disturbances
<b>Skin contact :</b>	Prolonged skin contact will result in defatting of the skin, leading to irritation, and in some cases, dermatitis Repeated exposure may cause skin dryness or cracking.
<b>Eye contact :</b>	May cause irritation.

#### Toxicological data :

No information available

## SECTION 12: Ecological information

### 12.1. Toxicity

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### Ecotoxicological data:

No information available

### 12.2. Persistence and degradability

No experimental data available

### 12.3. Bioaccumulative potential



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No experimental data 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 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.

**Contaminated packaging :** 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, flammable

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



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hazardous:

#### 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

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

#### 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.
- R21: Harmful in contact with skin.
- R37: Irritating to respiratory system.
- R38: Irritating to skin.
- R40: Limited evidence of a carcinogenic effect.
- R41: Risk of serious damage to eyes.
- R43: May cause sensitization by skin contact.
- R66: Repeated exposure may cause skin dryness or cracking.
- R67: Vapours may cause drowsiness and dizziness.
- R20/21: Harmful by inhalation and in contact with skin.
- R36/37: Irritating to eyes and respiratory system.
- R36/37/38: Irritating to eyes, respiratory system and skin.
- R50/53
- R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R51/53

\*Explanation hazard statements:

- H220 : Extremely flammable gas.
- H225 : Highly flammable liquid and vapour.

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H226 : Flammable liquid and vapour.  
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.  
H335 : May cause respiratory irritation.  
H351 : Suspected of causing cancer .  
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.

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.