



Safety Data Sheet Regulation EC No 1907/2006 Art.31

Productname : Zinc Creationdate : 21.06.13 Version : 2.0
Ref.Nr.: BDS000467_3_20130621 Replaces: BDS000467_20120702

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

1.1. Product identifier

Zinc
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

Subsidiaries		Tel	Fax
CRC Industries Finland Oy	Laurinkatu 57 A 23 B, 08100 Lohja	+358/(19)32.921	+358/(19)383.676
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	Kryptogatan 14, 431 53 Mölndal	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: Aerosols, category 1
Extremely flammable aerosol.
Pressurised container: May burst if heated.

Health: Eye irritation, category 2

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Environment:

Causes serious eye irritation.
 Hazardous to the aquatic environment, acute category 1
 Very toxic to aquatic life.

Other hazards :

Hazardous to the aquatic environment, chronic category 1
 Very toxic to aquatic life with long lasting effects.
 Contains:
 2-butanone oxime; ethyl methyl ketoxime; ethyl methyl ketone oxime
 May produce an allergic reaction.

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

R66: Repeated exposure may cause skin dryness or cracking.
 R67: Vapours may cause drowsiness and dizziness.

Physical:

EXTREMELY FLAMMABLE

Environment:

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):****Signal word:**

Danger

Hazard statement(s):

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.

Precautionary statement(s):

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.

Supplemental Hazard information:

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

2.3. Other hazards

None

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Naphtha (petroleum), hydrotreated light		64742-49-0	265-151-9	1-5	Aspiration Hazard Category 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, Eye Irrit. 2, STOT SE 3, Skin Irrit. 2, Aquatic Chronic 2	H226,H332,H319,H335,H315,H411	A

butan-1-ol; n-butanol	01-211948463038	71-36-3	200-751-6	<2.5	Flam. Liq. 3, Acute Tox. 4, STOT SE 3, Skin Irrit. 2, Eye Dam. 1, STOT SE 3	H226,H302,H335,H315,H318,H336	B
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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

Contact with eyes : 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.

Contact with skin : 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.

Inhalation : IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Call a POISON CENTER or doctor/physician if you feel unwell.

Ingestion : If swallowed accidentally, do not induce vomiting and seek medical advice.

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

Inhalation : Excessive inhalation of solvent vapours may give rise to nausea, headaches and dizziness

Ingestion : May cause gastrointestinal disturbances

Symptoms : sore throat, abdominal pain, nausea, vomiting
Skin contact : May cause irritation.

Symptoms : redness and pain

Eye contact : 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

5.2. Special hazards arising from the substance or mixture

Aerosols may explode if heated above 50°C

Forms hazardous decomposition products

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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

6.2. Environmental precautions

Ensure adequate ventilation
Wear suitable protective clothing and gloves.

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

7.2. Conditions for safe storage, including any incompatibilities

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

Pressurized container : protect from sunlight and do not expose to temperatures exceeding 50°C. Keep out of reach of children.

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7.3. Specific end use(s)

8.1. Control parameters

SECTION 8: Exposure controls/personal protection

Hazardous ingredient	CAS-nr.	method	
EU established exposure limits:			
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
National established exposure limits, United Kingdom			
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

Control procedures :	Ensure adequate ventilation Keep away from heat and sources of ignition Take precautionary measures against static discharges
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. Air purifying respirator equipped with organic gas/vapor cartridge (type A or AX)
hands and skin :	Wear suitable protective gloves against chemicals
eyes :	Wear safety goggles.
Environmental protection:	Avoid release to the environment. Collect spillage.
Consumer exposure protection:	Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

(for aerosols data for the product without propellant)

Exposure limits :

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Apperance : physical state : DME propelled liquid.
colour : Grey.
odour : Characteristic odor.
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/cm3 (@ 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

10.3. Possibility of hazardous reactions

Stable

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

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Inhalation : Inhalation of solvent vapours may give rise to nausea, headaches and dizziness
Ingestion : May cause gastrointestinal disturbances
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
Naphtha (petroleum), hydrotreated light	64742-49-0	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
Naphtha (petroleum), hydrotreated light	64742-49-0	LC50 fish	> 10 mg/l
		EC50 daphnia	3 mg/l

12.2. Persistence and degradability

No experimental data available

12.3. Bioaccumulative potential

12.4. Mobility in soil

No experimental data available

Insoluble in water

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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

12.6. Other adverse effects

UN-number : 1950

14.2. UN proper shipping name

Proper shipping name: AEROSOLS (Zinc)

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12.5. Results of PBT and vPvB assessment

13.1. Waste treatment methods

14.3. Transport hazard class(es)

Class: 2.1

ADR/RID - Classification code: 5F

14.4. Packing group

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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

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.

REVISIONS IN CHAPTRE : 2.2. Label elements

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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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