

Productname : ZINC + ULTRA BRILLANT  
Ref.Nr.: BDS000660\_3\_20130621

Creationdate : 21.06.13 Version : 3.0  
Replaces: BDS000660\_20120904

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

### 1.1. Product identifier

ZINC + ULTRA BRILLANT  
Aerosol

### 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  
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Belgium  
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Fax.: +32(0)52/45.00.34  
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Subsidiaries		Tel	Fax
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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	Kryptongatan 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:** Skin irritation, category 2



# Safety Data Sheet

Regulation EC No 1907/2006 Art.31

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Causes skin irritation.  
Eye irritation, category 2  
Causes serious eye irritation.  
**Environment:** Not classified  
**Other hazards :** None

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

**Health:** R66: Repeated exposure may cause skin dryness or cracking.  
**Physical:** EXTREMELY FLAMMABLE  
**Environment:** Not classified

## 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.  
H315 : Causes skin irritation.  
H319 : Causes serious eye irritation.  
**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.  
P410/412 : Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.  
**Supplemental Hazard information:** None

## 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
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dimethyl ether	115-10-6	204-065-8	60-100	F+	12	A
acetone; propan-2-one; propanone	67-64-1	200-662-2	10-30	F,Xi	11-36-66-67	A
xylene	1330-20-7	215-535-7	1-10	Xn	10-20/21-38	A
butan-1-ol; n-butanol	71-36-3	200-751-6	0-1	Xn	10-22-37/38-41-67	B
1,2,4-trimethylbenzene	95-63-6	202-436-9	0-1	Xn,N	10-20-36/37/38-51/53	A
mesitylene1,3,5-trimethylbenzene	108-67-8	203-604-4	0-1	Xi,N	10-37-51/53	A
ethylbenzene	100-41-4	202-849-4	0.5-2.5	F,Xn	11-20	A
Naphtha (petroleum), hydrotreated light	64742-49-0	265-151-9	0.5-2.5	Xn	65	B,P
Naphtha (petroleum), hydrodesulfurized heavy	64742-82-1	265-185-4	0.5-2.5	Xn	65	B,P
Solvent naphtha (petroleum), light arom. (benzene<0.1%)	64742-95-6	265-199-0	0.5-2.5	Xn	65	B,P

**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	60-100	Flam. Gas 1, Press. Gas	H220,H280	A
acetone; propan-2-one; propanone	01-2119471330-49	67-64-1	200-662-2	10-30	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3	H225,H319,H336	A
xylene		1330-20-7	215-535-7	1-10	Flam. Liq. 3, Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2	H226,H332,H312,H315	A
1,2,4-trimethylbenzene	ABNA	95-63-6	202-436-9	0-1	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
mesitylene1,3,5-trimethylbenzene		108-67-8	203-604-4	0-1	Flam. Liq. 3, STOT SE 3, Aquatic Chronic 2	H226,H335,H411	A
butan-1-ol; n-butanol	01-2119484630-38	71-36-3	200-751-6	0-1	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
ethylbenzene		100-41-4	202-849-4	0.5-2.5	Flam. Liq. 2, Acute Tox. 4	H225,H332	A
Naphtha (petroleum), hydrotreated light		64742-49-0	265-151-9	0.5-2.5	Aspiration Hazard Category 1	H304	B,P
Naphtha (petroleum), hydrodesulfurized heavy		64742-82-1	265-185-4	0.5-2.5	Aspiration Hazard Category 1	H304	B,P

**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.



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<b>Inhalation :</b>	IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. 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 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>	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

<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.



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## 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  
This material and/or its container must be disposed of as hazardous waste.

## 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.  
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
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<b>EU established exposure limits:</b>			
ethylbenzene	100-41-4	TWA	100 ppm
		STEL	200 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
acetone; propan-2-one; propanone	67-64-1	TWA	500 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
dimethyl ether	115-10-6	TWA	400 ppm
		STEL	500 ppm
xylene	1330-20-7	TWA	50 ppm
		STEL	100 ppm
acetone; propan-2-one; propanone	67-64-1	TWA	500 ppm
		STEL	1500 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.
<b>Consumer exposure protection:</b>	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)

<b>Appearance : physical state :</b>	DME propelled liquid.
<b>colour :</b>	Grey.
<b>odour :</b>	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 :** 0.905 g/cm<sup>3</sup> (@ 20°C).  
**Solubility in water :** Insoluble in water  
**Auto-ignition :** > 200 °C  
**Viscosity :** Not available.

## 9.2. Other information

**VOC:** 625 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



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**Ingestion :** After vomiting of swallowed product aspiration into lungs is likely. Solvents may induce chemical pneumonia.  
**Skin contact :** Irritating to skin  
**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
acetone; propan-2-one; propanone	67-64-1	LD50 oral rat	> 5000 mg/kg
		LC50 inhal.rat	> 20 mg/l
		LD50 derm.rabit	> 2000 mg/kg

## SECTION 12: Ecological information

### 12.1. Toxicity

Not classified

### Ecotoxicological data:

Hazardous ingredient	CAS-nr.	method	
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
acetone; propan-2-one; propanone	67-64-1	IC50 algae	> 100 mg/l
		LC50 fish	> 100 mg/l
		EC50 daphnia	> 100 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

No information available



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#### 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.

**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

#### 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

#### 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.
  - R37: Irritating to respiratory system.
  - 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.
  - R20/21: Harmful by inhalation and in contact with skin.
  - R36/37/38: Irritating to eyes, respiratory system and skin.
  - R37/38: Irritating to respiratory system and skin.
  - 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.
  - H312 : Harmful in contact with skin.
  - 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.
  - 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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