

**Productname :** ALU HiTemp  
**Ref.Nr.:** AB19660-3-311007  
**Creationdate :** 31.10.07  
**Replaces:** 27.03.06

## 1. IDENTIFICATION OF PRODUCT AND COMPANY

**Productname :** ALU HiTemp  
Aerosol

**Application :** Anti Corrosion Products

**Company :** CRC Industries Europe bvba  
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CRC Industries France	12, Bld des Martyrs de Chateaubriant F-95102 Argenteuil Cédex	(+33)(0)1/34112000	(+33)(0)1/34110996
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## 2. HAZARD IDENTIFICATION

**Health and Safety :** Extremely Flammable  
(DME propellant)  
Irritating to eyes.  
Repeated exposure may cause skin dryness or cracking.  
Vapours may cause drowsiness and dizziness.

**Environment :** According to EU-directive 99/45/EC not classified

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

## 3. COMPOSITION AND INFORMATION ON COMPONENTS

Hazardous ingredient	CAS-nr	EINECS	w/w %	symbol	R-phrases*	Notes
2-methoxy-1-methylethyl acetate	108-65-6	203-603-9	<10	Xi	10-36	A
dimethyl ether	115-10-6	204-065-8	30-60	F+	12	A
n-butyl acetate	123-86-4	204-658-1	1-5		10-66-67	



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Hazardous ingredient	CAS-nr	EINECS	w/w %	symbol	R-phrases*	Notes
xylene	1330-20-7	215-535-7	1-5	Xn	10-20/21-38	A
Naphtha (petroleum), hydrodesulfurized heavy (benzene<0.1%)	64742-82-1	265-185-4	1-5	Xn,N	10-51/53-65-66-67	B,P
acetone; propan-2-one; propanone	67-64-1	200-662-2	5-10	F,Xi	11-36-66-67	A
butan-1-ol; n-butanol	71-36-3	200-751-6	1-5	Xn	10-22-37/38-41-67	B
2-methylpropan-1-ol; iso-butanol	78-83-1	201-148-0	0-1	Xi	10-37/38-41-67	
<b>Explanation notes</b>						
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 risk-phrases : see chapter 16)

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Note H and P of Annex I (67/548/EEC) apply for the naphtha's in this product.

#### 4. FIRST AID MEASURES

**General Advice :** If symptoms persist always call a doctor

**Contact with eyes :** If substance has got into eyes, immediately wash out  
with plenty of water for several minutes  
Seek medical advice

**Contact with skin :** Wash with water and soap.  
Seek medical attention if irritation persists

**Inhalation :** Fresh air, keep warm and at rest.  
Seek medical attention if ill effects occur

**Ingestion :** Ingestion is unlikely to occur  
If swallowed accidentally, do not induce vomiting and  
seek medical advice.

#### 5. FIRE-FIGHTING MEASURES

**Flash point (without propellant):** < 0 °C

**Explosion limits : upper limit :** not available

**lower limit :** not available

**Extinguishing media :** foam, carbon dioxide or dry agent

**Fire-fighting procedures :** Keep container(s) exposed to fire cool, by spraying  
with water



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**Unusual exposure hazard :** Aerosols may explode if heated above 50°C  
In case of fire, do not breathe fumes

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions :** Shut off all ignition sources  
Ensure adequate ventilation  
Wear suitable protective clothing including eye/face protection and gloves.

**Environmental precautions :** Do not allow to enter public sewers and watercourses

**Cleaning methods :** Absorb spillage in suitable inert material

## 7. HANDLING AND STORAGE

**Handling procedures :** Use only in well ventilated areas  
Keep away from heat and sources of ignition  
Do not spray on a naked flame or incandescent material.  
Do not pierce or burn aerosols, even after use.  
Do not breathe aerosols or vapours.  
Avoid contact with skin and eyes.  
Eyewash bottles should be available

**Storage procedures :** 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.

## 8. EXPOSURE CONTROL AND PERSONAL PROTECTION

**Control procedures :** Ensure adequate ventilation  
Keep away from heat and sources of ignition  
Take precautionary measures against static discharges

**Personal protection :** It is advisable to take precautions to avoid contact with skin and eyes when handling the product.  
Use only in well ventilated areas

**inhalation :** In case of insufficient ventilation, wear suitable respiratory equipment.  
(Filter type AX)

**hands and skin :** Wear suitable protective gloves  
(butylrubber)

**eyes :** Wear safety goggles.

**Exposure limits :**

Hazardous ingredient	CAS-nr	method	
EU established exposure limits:			



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Hazardous ingredient	CAS-nr	method	
2-methoxy-1-methylethyl acetate	108-65-6	TWA	50 ppm
		STEL	100 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

## 9. PHYSICAL AND CHEMICAL PROPERTIES (for aerosols without propellant)

**Apperance : physical state :** Liquid  
**colour :** grey  
**odour :** Characteristic odour  
**Melting point/range :** <-20 °C  
**Boiling point/range :** not available  
**Relative density :** 1.062 g/cm<sup>3</sup> (@ 20°C)  
**pH :** not applicable  
**Vapour pressure :** not available  
**Relative vapour density :** not available  
**Solubility in water :** Insoluble in water  
**Partition coefficient n-octanol/water:** not available  
**Flash point :** < 0 °C  
**Auto-ignition :** > 200 °C  
**Viscosity :** not available  
**Evaporation rate :** not available

## 10. STABILITY AND REACTIVITY

**Conditions to be avoided :** Pressurized container : protect from sunlight and do not expose to temperatures exceeding 50°C.  
Keep away from heat and sources of ignition  
**Materials to be avoided :** Strong oxidising agent  
**Hazardous decomposition compounds :** CO,CO<sub>2</sub>

## 11. TOXICOLOGICAL INFORMATION

**Inhalation :** Excessive inhalation of solvent vapours may give rise to nausea, headaches and dizziness  
**Skin contact :** Prolonged skin contact will result in defatting of the skin, leading to irritation, and in some cases, dermatitis  
**Eye contact :** Irritating to eyes



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**Other information:** No experimental data available

## 12. ECOLOGICAL INFORMATION

Do not allow to enter public sewers and watercourses  
No experimental data available

## 13. WASTE DISPOSAL

**Product :** Do not empty into drains.  
This material and its container must be disposed of in a safe way.  
Disposal should be in accordance with local, state or national legislation

## 14. TRANSPORT

**UN-number :** 1950  
**Road/Rail - ADR/RID :** UN1950 Aerosols Class : 2, PG : NA, Class code : 5F, Label : 2.1  
**Sea - IMDG :** UN1950 Aerosols Ltd Qty Class : 2.1, PG : NA, Label : 2.1  
**EmS** F-D,S-U  
**Air - IATA/ICAO :** UN1950 Aerosols, flammable Class : 2.1, PG : NA, Label : RFG  
**Packing instr. LQ** Y203  
**PAX** 203  
**CAO** 203

## 15. REGULATORY INFORMATION

**Warning symbol(s) :** F+,Xi  
**Risk-phrase(s) :** R12: Extremely flammable.  
R36: Irritating to eyes.  
R66: Repeated exposure may cause skin dryness or cracking.  
R67: Vapours may cause drowsiness and dizziness.  
**Safety-phrase(s) :** S2: Keep out of the reach of children.  
S16: Keep away from sources of ignition - No smoking.  
S23: Do not breathe spray.  
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S51: Use only in well-ventilated areas.

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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.  
Without adequate ventilation formation of explosive mixtures may be possible.

## 16. OTHER INFORMATION

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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**\*Explanation risk-phrases:**

R10: Flammable.  
R11: Highly flammable.  
R12: Extremely flammable.  
R20/21: Harmful by inhalation and in contact with skin.  
R22: Harmful if swallowed.  
R36: Irritating to eyes.  
R37/38: Irritating to respiratory system and skin.  
R38: Irritating to skin.  
R41: Risk of serious damage to eyes.  
R51/53: Toxic to aquatic organisms, 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.  
R67: Vapours may cause drowsiness and dizziness.

This Material Safety Data Sheet may already have been revised at this moment for reason such as legislation, availability of components and newly acquired experiences. The latest and only valid version of this Material Safety Data Sheet will be sent to you upon simple request or can be found on our website : [www.crcind.com](http://www.crcind.com). We recommend you to register on this website for this product so you will be able to receive any future updated version automatically.