

**Productname :** GRAFFITI REMOVER      **Creationdate :** 23.11.10  
**Ref.Nr.:** AB14680-3-231110      **Replaces:** 09.02.10

## 1. IDENTIFICATION OF PRODUCT AND COMPANY

**Productname :** GRAFFITI REMOVER  
Aerosol

**Application :** Cleaners - Heavy duty

**Company :** CRC Industries Europe bvba  
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Belgium  
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CRC Industries Sweden	Kryptongatan 14, 43153 Mölndal	(+46)(0)31/7068480	(+46)(0)31/273991

## 2. HAZARD IDENTIFICATION

**Health and Safety :** Extremely Flammable  
Irritating to eyes.  
Vapours may cause drowsiness and dizziness.

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

**Other hazards :** 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.

## 3. COMPOSITION AND INFORMATION ON COMPONENTS

Hazardous ingredient	CAS-nbr.	EINECS	w/w %	symbol	R-phrases*	Notes
Butanedioic acid, dimethyl ester	106-65-0	203-419-9	5-10	Xi	R36	B
1-methoxy-2-propanol; monopropylene	107-98-2	203-539-1	10-30		R10,R67	A



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Hazardous ingredient	CAS-nbr.	EINECS	w/w %	symbol	R-phrases*	Notes
glycol methyl ether						
Pentanedioic acid, dimethyl ester	1119-40-0	214-277-2	10-30			B
carbon dioxide	124-38-9	204-696-9	1-5	-	-	A,G
Hexanedioic acid, dimethyl ester	627-93-0	211-020-6	1-5			B
ethanol; ethyl alcohol	64-17-5	200-578-6	5-10	F	11	B
propan-2-ol; isopropyl alcohol ;isopropanol	67-63-0	200-661-7	10-30	F,Xi	11-36-67	B
butanone; ethyl methyl ketone	78-93-3	201-159-0	0-1	F,Xi	11-36-66-67	A
<b>Explanation notes</b>						
A : substance with Community workplace exposure limit						
B : substance with national established workplace exposure limit						
G : exempted from the obligation to register in accordance with art.2(7)(a)of REACH Regulation No 1907/2006						

Remark: for substances with workplace exposure limits see point 8.

(\* Explanation risk-phrases : see chapter 16)

#### 4. FIRST AID MEASURES

**General Advice :** The usual precautions for handling chemicals should be observed  
If any symptoms should occur, seek medical advice.

**Contact with eyes :** If substance has got into eyes, immediately wash out with water for at least 15 minutes  
Seek medical advice

**Contact with skin :** Wash with water and soap.

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

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

#### 5. FIRE-FIGHTING MEASURES

**Flash point (without propellant):** 12 °C (Closed Cup)

**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

**Unusual exposure hazard :** Aerosols may explode if heated above 50°C



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## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions :** Shut off all ignition sources  
 Ensure adequate ventilation  
 Wear suitable protective clothing 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 A)

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

**eyes :** Wear safety goggles.

**Exposure limits :**

Hazardous ingredient	CAS-nbr.	method	
<b>EU established exposure limits:</b>			
1-methoxy-2-propanol; monopropylene glycol methyl ether	107-98-2	TWA	100 ppm
		STEL	150 ppm
carbon dioxide	124-38-9	TWA	5000 ppm
methanol	67-56-1	TWA	200 ppm



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Hazardous ingredient	CAS-nbr.	method	
butanone; ethyl methyl ketone	78-93-3	TWA	200 ppm
		STEL	300 ppm

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

**Apperance : physical state :** CO2 propelled liquid.  
**colour :** Colorless.  
**odour :** Solvent.  
**Boiling point/range :** Not available.  
**Relative density :** 0.94 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  
**Flash point :** 12 °C (Closed Cup)  
**Auto-ignition :** > 200 °C  
**Viscosity :** Not applicable.  
**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  
**Eye contact :** Irritating to eyes

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**12. ECOLOGICAL INFORMATION**

**Degradability :** The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC)No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Do not allow to enter public sewers and watercourses

**13. WASTE DISPOSAL**

**Product :** Do not empty into drains.

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, Tunnel-code : (D)

**Sea - IMDG :** UN1950 Aerosols Class : 2, PG : NA, Label : 2.1

**EmS** F-D, S-U

**Air - IATA/ICAO :** UN1950 Aerosols, flammable Class : 2, PG : NA, Label : 2.1

**15. REGULATORY INFORMATION**

**Warning symbol(s) :** F+ : EXTREMELY FLAMMABLE  
Xi : IRRITANT

**Risk-phrase(s) :** R36: Irritating to eyes.  
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 vapours/spray.  
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.

Classified according to Dir. 2008/47/EC amendment of the aerosol dispenser directive 75/324/EEC.

Classification according to EU-directive 99/45/EC

**Regulation (EC) No 648/2004 on detergents:** non-ionic surfactants < 5 %

## 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.

R36: Irritating to eyes.

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.

