

Productname : PAINT AND GRAFFITI REMOVER
Ref.Nr.: UDS000495_3_20120620

Creationdate : 20.06.12 Version : 1.0
Replaces: UK10756

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

1.1. Product identifier

PAINT AND GRAFFITI REMOVER
Aerosol

1.2. Relevant identified uses of the substance or mixture and uses advised against

Cleaners - Heavy duty

1.3. Details of the supplier of the safety data sheet

CRC Industries UK Ltd.
Ambersil House - Wylids 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: | R36: Irritating to eyes. R66: Repeated exposure may cause skin dryness or cracking. R67: Vapours may cause drowsiness and dizziness. |
| Physical: | R12: Extremely flammable. EXTREMELY FLAMMABLE |
| Environment: | not classified |

2.2. Label elements

Warning symbol(s) : EXTREMELY FLAMMABLE



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CRC Industries UK Limited
Ambersil House, Wylids Road, Castlefield Industrial Estate, Bridgwater,
Somerset, TA6 4DD
Tel: +44 (0)1278 727200 Fax: +44 (0)1278 425644 web: www.ambersil.com

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Xi : IRRITANT



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 vapours/spray.
 S25: Avoid contact with eyes.
 S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 S35: This material and its container must be disposed of in a safe way.
 S37: Wear suitable gloves.
 S51: Use only in well-ventilated areas.

Extra label elements according to Aerosol Dispenser Directive 75/324/EC: 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 |
|---|------------|-----------|-------|--------|-------------------------|-------|
| 1-methoxy-2-propanol; monopropylene glycol methyl ether | 107-98-2 | 203-539-1 | 30-60 | | 10-67 | A |
| ethanol; ethyl alcohol | 64-17-5 | 200-578-6 | 10-30 | F | 11 | B |
| Hydrocarbons, C3-4-rich, petroleum distillate Petroleumgas (1,3-butadiene < 0.1%) | 68512-91-4 | 270-990-9 | 10-30 | F+ | 12 | K |
| butanone; ethyl methyl ketone | 78-93-3 | 201-159-0 | 10-30 | F,Xi | 11-36-66-67 | A |
| Butanedioic acid, dimethyl ester | 106-65-0 | 203-419-9 | 1-5 | Xi | R36 | B |
| methanol | 67-56-1 | 200-659-6 | 0-1 | F,T | 11-23/24/25-39/23/24/25 | A |

Explanation notes

A : substance with Community workplace exposure limit

B : substance with national established workplace exposure limit

K : not classified as carcinogen, less than 0.1% w/w 1,3-butadiene (Einecs-nr. 203-450-8)

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| Hazardous ingredient | Registration number | CAS-nr. | EC-nr | w/w % | Hazard Class and Category | Hazard statement | Notes |
|--|---------------------|----------|-----------|-------|---|--------------------------|-------|
| 1-methoxy-2-propanol; monopropylene glycol methyl ether | 01-2119457435-35 | 107-98-2 | 203-539-1 | 30-60 | Flam. Liq. 3, STOT SE 3 | H226,H336 | A |
| ethanol; ethyl alcohol | | 64-17-5 | 200-578-6 | 10-30 | Flam. Liq. 2 | H225 | B |
| butanone; ethyl methyl ketone | | 78-93-3 | 201-159-0 | 10-30 | Flam. Liq. 2, Eye Irrit. 2, STOT SE 3 | H225,H319,H336 | A |
| methanol | | 67-56-1 | 200-659-6 | 0-1 | Flam. Liq. 2, Acute Tox. 3, Acute Tox. 3, Acute Tox. 3, STOT SE 1 | H225,H331,H311,H301,H370 | A |
| Explanation notes | | | | | | | |
| 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

| | |
|----------------------------|--|
| 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 : | Remove contaminated clothing immediately and drench affected skin with plenty of water. Then wash with soap and water Seek medical attention if irritation persists |
| Inhalation : | Remove patient to fresh air Keep warm and at rest, in a half upright position. Loosen clothing Seek medical attention if ill effects occur |
| 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

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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.
Use only non-sparking tools.
Do not breathe aerosols or vapours.
Ensure adequate ventilation
Avoid contact with skin and eyes.

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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)

Cleaners - Heavy duty

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits :

| Hazardous ingredient | CAS-nr. | method | |
|---|----------|--------|----------|
| EU established exposure limits: | | | |
| 1-methoxy-2-propanol; monopropylene glycol methyl ether | 107-98-2 | TWA | 100 ppm |
| | | STEL | 150 ppm |
| methanol | 67-56-1 | TWA | 200 ppm |
| butanone; ethyl methyl ketone | 78-93-3 | TWA | 200 ppm |
| | | STEL | 300 ppm |
| National established exposure limits, United Kingdom | | | |
| 1-methoxy-2-propanol; monopropylene glycol methyl ether | 107-98-2 | TWA | 100 ppm |
| | | STEL | 150 ppm |
| ethanol; ethyl alcohol | 64-17-5 | TWA | 1000 ppm |
| methanol | 67-56-1 | TWA | 200 ppm |
| | | STEL | 250 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. |
| hands and skin : | Wear suitable protective gloves against chemicals (butyl rubber) |

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eyes : Wear safety goggles.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

(for aerosols data for the product without propellant)

| | |
|---|-----------------------------------|
| Apperance : physical state : | Propane/butane propelled liquid. |
| colour : | Colorless. |
| 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 : | 0.885 g/cm ³ (@ 20°C). |
| Solubility in water : | Insoluble in water |
| Auto-ignition : | Not available. |
| Viscosity : | Not available. |

9.2. Other information

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,CO₂



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SECTION 11: Toxicological information

11.1. Information on toxicological effects

| | |
|-----------------------|--|
| 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 | |
|---|----------|-----------------|--------------|
| 1-methoxy-2-propanol; monopropylene glycol methyl ether | 107-98-2 | LD50 oral rat | >2000 mg/kg |
| | | LC50 inhal.rat | >20000 mg/l |
| | | LD50 derm.rabit | 2000 mg/kg |
| ethanol; ethyl alcohol | 64-17-5 | LD50 oral rat | > 2000 mg/kg |
| | | LD50 derm.rabit | > 2000 mg/kg |
| butanone; ethyl methyl ketone | 78-93-3 | LD50 oral rat | >2000 mg/kg |

SECTION 12: Ecological information

12.1. Toxicity

not classified

Ecotoxicological data:

| Hazardous ingredient | CAS-nr. | method | |
|---|----------|--------------|------------|
| 1-methoxy-2-propanol; monopropylene glycol methyl ether | 107-98-2 | LC50 fish | 6812 mg/l |
| | | EC50 daphnia | 23300 mg/l |
| ethanol; ethyl alcohol | 64-17-5 | LC50 fish | > 100 mg/l |

12.2. Persistence and degradability

No information available

12.3. Bioaccumulative potential

No information available

12.4. Mobility in soil

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Insoluble in water

12.5. Results of PBT and vPvB assessment

No information available

12.6. Other adverse effects

No information 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

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)



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| | | | |
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| | |
|------------------|----------|
| 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)

15.2. Chemical safety assessment

No information available

SECTION 16: Other information

*Explanation risk-phrases:

- R10: Flammable.
- R11: Highly flammable.
- R12: Extremely flammable.
- R36: Irritating to eyes.
- R66: Repeated exposure may cause skin dryness or cracking.
- R67: Vapours may cause drowsiness and dizziness.
- R23/24/25: Toxic by inhalation, in contact with skin and if swallowed.
- R39/23/24/25: Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

RR36

*Explanation hazard statements:

- H225 : Highly flammable liquid and vapour.
- H226 : Flammable liquid and vapour.
- H301 : Toxic if swallowed.
- H311 : Toxic in contact with skin.
- H319 : Causes serious eye irritation.
- H331 : Toxic if inhaled.
- H336 : May cause drowsiness or dizziness.
- H370 : Causes damage to organs .

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.