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

1.1. Product identifier

Industrial Degreaser
(FOOD PROCESSING SAFE®)
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 Europe bvba
Touwslagerstraat 1
9240 Zele
Belgium
Tel.: +32(0)52/45.60.11
Fax.: +32(0)52/45.00.34
E-mail: hse@crcind.com

Subsidiaries

<table>
<thead>
<tr>
<th>Subsidiaries</th>
<th>Address</th>
<th>Tel</th>
<th>Fax</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRC Industries Finland Oy</td>
<td>Laurinkatu 57 A 23 B, 08100 Lohja</td>
<td>+358/(19)32.921</td>
<td>+358/(19)383.676</td>
</tr>
<tr>
<td>CRC Industries France</td>
<td>6, avenue du marais, C.S. 90028, 95102 Argenteuil Cedex</td>
<td>01.34.11.20.00</td>
<td>01.34.11.09.96</td>
</tr>
<tr>
<td>CRC Industries Deutschland GmbH</td>
<td>Südring 9, D-76473 Iffezheim</td>
<td>(07229) 303.0</td>
<td>(07229)30 32 66</td>
</tr>
<tr>
<td>CRC INDUSTRIES IBERIA S.L.U.</td>
<td>GREMIO DEL CUERO-PARC.96, POLIGONO INDUSTR. DE HONTORIA, 40195 SEGOVIA</td>
<td>0034/921.427.546</td>
<td>0034/921.436.270</td>
</tr>
<tr>
<td>CRC Industries Sweden</td>
<td>Kryptongatan 14, 431 53 Mölndal</td>
<td>0046/31 706 84 80</td>
<td>0046/31 27 39 91</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Physical</th>
<th>Aerosols, category 1</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Extremely flammable aerosol.</td>
</tr>
<tr>
<td></td>
<td>Pressurised container: May burst if heated.</td>
</tr>
</tbody>
</table>
Safety Data Sheet

Regulation EC No 1907/2006 Art.31

Product name: Industrial Degreaser

Creation date: 21.06.13 Version: 2.0

Ref. Nr.: BDS000273_3_20130621

Replaces: BDS000273_20130327

Health:
Specific target organ toxicity - single exposure, category 3
May cause drowsiness or dizziness.

Environment:
Not classified

Other hazards:
Repeated exposure may cause skin dryness or cracking.

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:
Not classified

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

Product identifier: hydrocarbons

Hazard pictogram(s):

Signal word:
Danger

Hazard statement(s):
H222: Extremely flammable aerosol.
H229: Pressurised container: May burst if heated.
H336: May cause drowsiness or dizziness.

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.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P271: Use only outdoors or in a well-ventilated area.
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:
Repeated exposure may cause skin dryness or cracking.

2.3. Other hazards

None

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable.

3.2. Mixtures
### 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 plenty of water. If eye irritation persists: Get medical advice/attention.

**Contact with 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 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

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

**Ingestion:** After vomiting of swallowed product aspiration into lungs is likely. Solvents may induce chemical pneumonia. Symptoms: sore throat, abdominal pain, nausea, vomiting

**Skin contact:** May cause irritation.

---

### Hazardous ingredients

<table>
<thead>
<tr>
<th>Hazardous ingredient</th>
<th>CAS-nr.</th>
<th>EC-nr</th>
<th>w/w %</th>
<th>symbol</th>
<th>R-phrases*</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Naphtha (petroleum), hydrotreated heavy</td>
<td>64742-48-9</td>
<td>919-857-5</td>
<td>50-75</td>
<td>Xn</td>
<td>10-65-66-67</td>
<td>B</td>
</tr>
<tr>
<td>1-methoxy-2-propanol; monopropylene glycol methyl ether</td>
<td>107-98-2</td>
<td>203-539-1</td>
<td>10-25</td>
<td>-</td>
<td>10-67</td>
<td>A</td>
</tr>
<tr>
<td>2-methoxy-1-methylethyl acetate</td>
<td>108-65-6</td>
<td>203-603-9</td>
<td>10-25</td>
<td>-</td>
<td>10</td>
<td>A</td>
</tr>
<tr>
<td>carbon dioxide</td>
<td>124-38-9</td>
<td>204-696-9</td>
<td>1-5</td>
<td>-</td>
<td>-</td>
<td>A,G</td>
</tr>
<tr>
<td>butan-2-ol</td>
<td>78-92-2</td>
<td>201-158-5</td>
<td>&lt;5</td>
<td>Xi</td>
<td>10-36/37-67</td>
<td>B</td>
</tr>
</tbody>
</table>

---

**Explanation notes**

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

(* Explanation phrases : see chapter 16)
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

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

Wear protective gloves/protective clothing/eye protection/face protection.
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.

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.

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:

<table>
<thead>
<tr>
<th>Hazardous ingredient</th>
<th>CAS-nr.</th>
<th>method</th>
<th>limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>EU established exposure limits:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1-methoxy-2-propanol; monopropylene glycol methyl ether</td>
<td>107-98-2</td>
<td>TWA</td>
<td>100 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>STEL</td>
<td>150 ppm</td>
</tr>
<tr>
<td>2-methoxy-1-methylethyl acetate</td>
<td>108-65-6</td>
<td>TWA</td>
<td>50 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>STEL</td>
<td>100 ppm</td>
</tr>
<tr>
<td>carbon dioxide</td>
<td>124-38-9</td>
<td>TWA</td>
<td>5000 ppm</td>
</tr>
</tbody>
</table>

National established exposure limits, United Kingdom

<table>
<thead>
<tr>
<th>Hazardous ingredient</th>
<th>CAS-nr.</th>
<th>method</th>
<th>limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-methoxy-2-propanol; monopropylene glycol methyl ether</td>
<td>107-98-2</td>
<td>TWA</td>
<td>100 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>STEL</td>
<td>150 ppm</td>
</tr>
<tr>
<td>carbon dioxide</td>
<td>124-38-9</td>
<td>TWA</td>
<td>5000 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>STEL</td>
<td>15000 ppm</td>
</tr>
</tbody>
</table>

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.
**Productname:** Industrial Degreaser  
**Creationdate:** 21.06.13  
**Replacement:** BDS000273_20130621  
**Ref.Nr.:** BDS000273_20130327

---

**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 (nitrile).

**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)

- **Appearance:** physical state: CO2 propelled liquid.
- **Colour:** Colorless.
- **Odour:** Sweet ether-like.
- **pH:** Not applicable.
- **Boiling point/range:** 100-200 °C
- **Flash point:** 23 °C
- **Evaporation rate:** Not available.
- **Explosion limits:** upper limit: Not available.
- **Lower limit:** Not available.
- **Vapour pressure:** Not available.
- **Relative density:** 0.813 g/cm3 (@ 20°C).
- **Solubility in water:** Insoluble in water
- **Auto-ignition:** > 200 °C
- **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

SECTION 11: Toxicological information

11.1. Information on toxicological effects

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

**Ingestion**: After vomiting of swallowed product aspiration into lungs is likely. Solvents may induce chemical pneumonia.

**Skin contact**: Prolonged skin contact will result in defatting of the skin, leading to irritation, and in some cases, dermatitis. Repeated exposure may cause skin dryness or cracking.

**Eye contact**: May cause irritation.

**Toxicological data**:

<table>
<thead>
<tr>
<th>Hazardous ingredient</th>
<th>CAS-nr.</th>
<th>method</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-methoxy-2-propanol; monopropylene glycol methyl ether</td>
<td>107-98-2</td>
<td>LD₅₀ oral rat</td>
<td>4016 mg/kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>LC₅₀ inh.al rat</td>
<td>27956 mg/l</td>
</tr>
<tr>
<td></td>
<td></td>
<td>LD₅₀ derm. rabbit</td>
<td>2000 mg/kg</td>
</tr>
<tr>
<td>2-methoxy-1-methylethyl acetate</td>
<td>108-65-6</td>
<td>LD₅₀ oral rabbitt</td>
<td>&gt; 5000 mg/kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>LD₅₀ derm. rabbitt</td>
<td>&gt; 5000 mg/kg</td>
</tr>
<tr>
<td>butan-2-ol</td>
<td>78-92-2</td>
<td>LD₅₀ oral rabbitt</td>
<td>2193 mg/kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>LD₅₀ derm. rabbitt</td>
<td>&gt; 2000 mg/kg</td>
</tr>
</tbody>
</table>

SECTION 12: Ecological information

12.1. Toxicity

Not classified

**Ecotoxicological data**:

<table>
<thead>
<tr>
<th>Hazardous ingredient</th>
<th>CAS-nr.</th>
<th>method</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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

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)

<table>
<thead>
<tr>
<th>Class:</th>
<th>2.1</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADR/RID - Classification code:</td>
<td>5F</td>
</tr>
</tbody>
</table>

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

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.
- 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: Irritating to eyes and respiratory system.
*Explanation hazard statements:  
H226 : Flammable liquid and vapour.  
H280 : Contains gas under pressure; may explode if heated.  
H304 : May be fatal if swallowed and enters airways.  
H319 : Causes serious eye irritation.  
H335 : May cause respiratory irritation.  
H336 : May cause drowsiness or dizziness.

REVISIONS IN CHAPTER : 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. 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.