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

1.1. Product identifier

LABEL & ADHESIVE REMOVER FG
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.
Wylds 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 (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 sensitization, category 1
          May cause an allergic skin reaction.
          Skin irritation, category 2
          Causes skin irritation.
          Eye irritation, category 2
          Causes serious eye irritation.
          Specific target organ toxicity - single exposure, category 3
          May cause drowsiness or dizziness.

Environment: Hazardous to the aquatic environment, chronic category 2
2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

**Product identifier:** Contains:
- terpinolene
- Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane

**Signal word:** Danger

**Hazard pictogram(s):**
- Flammable
- Caution
- Toxic to aquatic life

**Hazard statement(s):**
- H222 : Extremely flammable aerosol.
- H229 : Pressurised container: May burst if heated.
- H317 : May cause an allergic skin reaction.
- H315 : Causes skin irritation.
- H319 : Causes serious eye irritation.
- H336 : May cause drowsiness or dizziness.
- H411 : Toxic to aquatic life with long lasting effects.

**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.
- 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.
- P501-2 : Dispose of contents/container to an authorised waste collection point.

**Supplemental Hazard information:** None

2.3. Other hazards

No information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable.

3.2. Mixtures

<table>
<thead>
<tr>
<th>Hazardous ingredient</th>
<th>Registration number</th>
<th>CAS-nr.</th>
<th>EC-nr</th>
<th>w/w %</th>
<th>Hazard Class and Category</th>
<th>Hazard statement</th>
<th>Notes</th>
</tr>
</thead>
</table>
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. IF ON 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:
Irritating to skin
Safety Data Sheet

Regulation EC No 1907/2006 Art.31

Productname: LABEL & ADHESIVE REMOVER FG
Creationdate: 28.03.18
Version: 4.0

Ref.Nr.: BDS001085_3_20180328 (EN)
Replaces: BDS001085_20171006

Eye contact:
Symptoms: redness and pain
Irritating to eyes
Symptoms: redness and pain, impaired vision

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
Do not use water jet extinguishing media, due to the risk of spreading fire.

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
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)

- 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>EU established exposure limits:</th>
</tr>
</thead>
<tbody>
<tr>
<td>carbon dioxide</td>
<td>124-38-9</td>
<td>TWA</td>
<td>9000 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>STEL</td>
<td>mg/m³</td>
</tr>
<tr>
<td>propan-2-ol; isopropyl alcohol ;isopropanol</td>
<td>67-63-0</td>
<td>TWA</td>
<td>400 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>STEL</td>
<td>500 ppm</td>
</tr>
<tr>
<td>butanone; ethyl methyl ketone</td>
<td>78-93-3</td>
<td>TWA</td>
<td>200 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>STEL</td>
<td>300 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>EU established exposure limits:</th>
</tr>
</thead>
<tbody>
<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>
<tr>
<td>ethanol; ethyl alcohol</td>
<td>64-17-5</td>
<td>TWA</td>
<td>1000 ppm</td>
</tr>
<tr>
<td>propan-2-ol; isopropyl alcohol ;isopropanol</td>
<td>67-63-0</td>
<td>TWA</td>
<td>400 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>STEL</td>
<td>500 ppm</td>
</tr>
<tr>
<td>butanone; ethyl methyl ketone</td>
<td>78-93-3</td>
<td>TWA</td>
<td>200 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>STEL</td>
<td>300 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.
- Ensure adequate ventilation
- In all cases handle and use the product in accordance with good industrial hygiene practices.

inhalation:
- In case of insufficient ventilation, wear suitable respiratory equipment.

recommended respiratory protection:
- Air purifying respirator equipped with organic gas/vapor cartridge (type A or AX) in combination with an oil proof solid and liquid particulate filter

hands and skin:
- When handling the product wear chemical-resistant gloves (standard EN 374).

Recommended gloves:
- Nitrile

The breakthrough time of the glove should be longer than the total duration of product use. If work lasts longer than the breakthrough time, gloves should be changed part-way through.

Depending on amount and duration of use and the risk of contact with the product the gloves manufacturer can assist you in the selection of the right glove material and breakthrough time.

eyes:
- Wear safety eyewear according to EN 166.

Environmental protection:
- Avoid release to the environment.
- Collect spillage.

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: Liquid.
colour: Colourless to yellow.
odor: Characteristic odor.
pH: Not applicable.

Boiling point/range: Not available.
Flash point: -35 °C (Closed Cup)
Evaporation rate: Not available.
Explosion limits: upper limit: Not available.
lower limit: Not available.
Vapour pressure: Not available.
Relative density: 0.810 g/cm³ (@ 20°C).
Solubility in water: Insoluble in water
Auto-ignition: 200 °C

9.2. Other information

VOC = volatile organic compounds 805 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, CO2

SECTION 11: Toxicological information

11.1. Information on toxicological effects

- **acute toxicity:** based on available data the classification criteria are not met
- **skin corrosion/irritation:** Causes skin irritation.
- **serious eye damage/irritation:** Causes serious eye irritation.
- **respiratory or skin sensitisation:** May cause an allergic skin reaction.
- **germ cell mutagenicity:** based on available data the classification criteria are not met
- **carcinogenicity:** based on available data the classification criteria are not met
- **toxicity for reproduction:** based on available data the classification criteria are not met
- **STOT-single exposure:** May cause drowsiness or dizziness.
- **STOT repeated exposure:** based on available data the classification criteria are not met
- **aspiration hazard:** based on available data the classification criteria are not met

Information on likely routes of exposure:

- **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:** Irritating to skin
Eye contact: Irritating to eyes

Toxicological data:

<table>
<thead>
<tr>
<th>Hazardous ingredient</th>
<th>CAS-nr.</th>
<th>method</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>3-butoxypropan-2-ol; propylene glycol monobutyl ether</td>
<td>5131-66-8</td>
<td>LD50 oral rat</td>
<td>3300 mg/kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>LC50 inhal.rat</td>
<td>651 mg/l</td>
</tr>
<tr>
<td></td>
<td></td>
<td>LD50 derm.rat</td>
<td>&gt; 2000 mg/kg</td>
</tr>
<tr>
<td>terpinolene</td>
<td>586-62-9</td>
<td>LD50 oral rat</td>
<td>&gt; 2000 mg/kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>LD50 derm.rat</td>
<td>&gt; 2000 mg/kg</td>
</tr>
<tr>
<td>ethanol; ethyl alcohol</td>
<td>64-17-5</td>
<td>LD50 oral rat</td>
<td>&gt; 2000 mg/kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>LD50 derm.rat</td>
<td>&gt; 2000 mg/kg</td>
</tr>
<tr>
<td>propan-2-ol; isopropyl alcohol ;isopropanol</td>
<td>67-63-0</td>
<td>LD50 oral rat</td>
<td>5840 mg/kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>LC50 inhal.rat</td>
<td>&gt; 25000 mg/l</td>
</tr>
<tr>
<td></td>
<td></td>
<td>LD50 derm.rat</td>
<td>13900 mg/kg</td>
</tr>
<tr>
<td>butanone; ethyl methyl ketone</td>
<td>78-93-3</td>
<td>LD50 oral rat</td>
<td>&gt; 2000 mg/kg</td>
</tr>
<tr>
<td>Hydrocarbons, C6-C7, n-alkanes,isoalkanes,cyclics,&lt; 5% n-hexane</td>
<td>-</td>
<td>LD50 oral rat</td>
<td>&gt; 5000 mg/kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>LC50 inhal.rat</td>
<td>25000 mg/m3</td>
</tr>
<tr>
<td>Hydrocarbons, C6-C7, isoalkanes, cyclics, &lt; 5% n-hexane</td>
<td>-</td>
<td>LD50 oral rat</td>
<td>&gt; 5000 mg/kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>LC50 inhal.rat</td>
<td>&gt; 20 mg/l</td>
</tr>
<tr>
<td></td>
<td></td>
<td>LD50 derm.rat</td>
<td>&gt; 2000 mg/kg</td>
</tr>
</tbody>
</table>

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, chronic category 2
Toxic to aquatic life with long lasting effects.

Ecotoxicological data:

<table>
<thead>
<tr>
<th>Hazardous ingredient</th>
<th>CAS-nr.</th>
<th>method</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>3-butoxypropan-2-ol; propylene glycol monobutyl ether</td>
<td>5131-66-8</td>
<td>IC50 algae</td>
<td>&gt; 1000 mg/l</td>
</tr>
<tr>
<td></td>
<td></td>
<td>LC50 fish</td>
<td>560-1000 mg/l</td>
</tr>
<tr>
<td>terpinolene</td>
<td>586-62-9</td>
<td>EC50 daphnia</td>
<td>&gt; 1000 mg/l</td>
</tr>
<tr>
<td></td>
<td></td>
<td>LC50 fish</td>
<td>&gt; 10 mg/l</td>
</tr>
<tr>
<td>ethanol; ethyl alcohol</td>
<td>64-17-5</td>
<td>EC50 daphnia</td>
<td>1-10 mg/l</td>
</tr>
<tr>
<td>propan-2-ol; isopropyl alcohol ;isopropanol</td>
<td>67-63-0</td>
<td>IC50 algae</td>
<td>1000 mg/l</td>
</tr>
<tr>
<td></td>
<td></td>
<td>LC50 fish</td>
<td>9640 mg/l</td>
</tr>
<tr>
<td>Hydrocarbons, C6-C7, n-alkanes,isoalkanes,cyclics,&lt; 5% n-hexane</td>
<td>-</td>
<td>LC50 fish</td>
<td>&gt; 10 mg/l</td>
</tr>
<tr>
<td>Hydrocarbons, C6-C7, isoalkanes, cyclics, &lt; 5% n-hexane</td>
<td>-</td>
<td>IC50 algae</td>
<td>55 mg/l</td>
</tr>
<tr>
<td></td>
<td></td>
<td>LC50 fish</td>
<td>12 mg/l</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

Partly soluble in water

12.5. Results of PBT and vPvB assessment

No information available

12.6. Other adverse effects

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

GWP (global warming potential): .04

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 (Naptha, terpinolene)

14.3. Transport hazard class(es)

Class: 2.1
ADR/RID - Classification code: 5F

14.4. Packing group
SECTION 14: Transport information

14.5. Environmental hazards

| ADR/RID - Environmentally hazardous: | Yes |
| IMDG - Marine pollutant: | Marine pollutant |
| IATA/ICAO - Environmentally hazardous: | Yes |

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 MARPOL 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.
- Regulation (EC) No 1907/2006 (REACH)
- Regulation (EC) No 1272/2008 (CLP)
- Dir. 2013/10/EU, 2008/47/EC amendment of the aerosol dispenser directive 75/324/EEC.

15.2. Chemical safety assessment

No information available

SECTION 16: Other information

Explanation hazard statements:
- H225 : Highly flammable liquid and vapour.
- H280 : Contains gas under pressure; may explode if heated.
- H304 : May be fatal if swallowed and enters airways.
- H315 : Causes skin irritation.
- H317 : May cause an allergic skin reaction.
- H319 : Causes serious eye irritation.
- H336 : May cause drowsiness or dizziness.
- H400 : Very toxic to aquatic life.
- H410 : Very toxic to aquatic life with long lasting effects.
- H411 : Toxic to aquatic life with long lasting effects.

Acronyms and synonyms:
- TWA = time weight average
STEL = short time exposure limit
VOC = volatile organic compounds
PBT = persistent bioaccumulative toxic
vPvB = very persistent very bioaccumulative

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.