

**Productname :** Amberclens fg  
**Ref.Nr.:** BDS000316\_3\_20150123 (EN)

**Creationdate :** 23.01.15 Version : 1.0  
**Replaces:** BDS000316\_20110607

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

### 1.1. Product identifier

Amberclens fg  
Aerosol

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

Cleaners - Precision

### 1.3. Details of the supplier of the safety data sheet

CRC Industries UK Ltd.  
Ambersil House - 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

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008

|                        |                                                                                                                                                                                                                             |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Physical:</b>       | Aerosol, category 3<br>Pressurised container: May burst if heated.<br>Not flammable under normal conditions of use but contains flammable components<br>(Testing on flammability in closed space, FEA X610-E, are negative) |
| <b>Health:</b>         | Not classified                                                                                                                                                                                                              |
| <b>Environment:</b>    | Not classified                                                                                                                                                                                                              |
| <b>Other hazards :</b> | 7 % by mass of the contents are flammable.<br>Safety data sheet available on request.                                                                                                                                       |

#### Classification according to 67/548/EEC or 1999/45/EC:

None

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**Health:** Not classified  
**Physical:** Not classified  
 Not flammable under normal conditions of use but contains flammable components  
 (Testing on flammability in closed space, FEA X610-E, are negative)  
**Environment:** Not classified

## 2.2. Label elements

### Labelling according to Regulation (EC) No 1272/2008

**Signal word:** Warning  
**Hazard statement(s):** H229 : Pressurised container: May burst if heated.  
**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.  
 P251 : Do not pierce or burn, even after use.  
 P410/412 : Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.  
**Supplemental Hazard information:** 7 % by mass of the contents are flammable.  
 Safety data sheet available on request.

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

## 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 |
|----------------------------------------------------------------------------------|------------|-----------|-------|--------|------------|-------|
| Alcohol C10, ethoxylated                                                         | 26183-52-8 | Polymer   | 1-5   | Xn,Xi  | R22,R36    |       |
| (2-methoxymethylethoxy)propanol                                                  | 34590-94-8 | 252-104-2 | 1-5   | -      | -          | A     |
| Hydrocarbons,C3-4-rich, petroleum distillate Petroleumgas (1,3-butadiene < 0.1%) | 68512-91-4 | 270-990-9 | 1-5   | F+     | 12         | K,G   |
| <b>Explanation notes</b>                                                         |            |           |       |        |            |       |
| A : substance with Community workplace exposure limit                            |            |           |       |        |            |       |

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G : exempted from the obligation to register in accordance with art.2(7)(a)of REACH Regulation No 1907/2006

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

| Hazardous ingredient                                                                                        | Registration number | CAS-nr.    | EC-nr     | w/w % | Hazard Class and Category  | Hazard statement | Notes |
|-------------------------------------------------------------------------------------------------------------|---------------------|------------|-----------|-------|----------------------------|------------------|-------|
| Alcohol C10, ethoxylated                                                                                    | -                   | 26183-52-8 | Polymer   | 1-5   | Acute Tox. 4, Eye Irrit. 2 | H302,H319        |       |
| (2-methoxymethylethoxy)propanol                                                                             | 01-2119450011-60    | 34590-94-8 | 252-104-2 | 1-5   | -                          | -                | A     |
| Hydrocarbons,C3-4-rich, petroleum distillate<br>Petroleumgas (1,3-butadiene < 0.1%)                         | -                   | 68512-91-4 | 270-990-9 | 1-5   | Press. Gas, Flam. Gas 1    | H280,H220        | K,G   |
| <b>Explanation notes</b>                                                                                    |                     |            |           |       |                            |                  |       |
| A : substance with Community workplace exposure limit                                                       |                     |            |           |       |                            |                  |       |
| G : exempted from the obligation to register in accordance with art.2(7)(a)of REACH Regulation No 1907/2006 |                     |            |           |       |                            |                  |       |
| K : not classified as carcinogen, less than 0.1% w/w 1,3-butadiene (Einecs-nr. 203-450-8)                   |                     |            |           |       |                            |                  |       |

(\* Explanation phrases : see chapter 16)

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|                            |                                                                                      |
|----------------------------|--------------------------------------------------------------------------------------|
| <b>Contact with eyes :</b> | If substance has got into eyes, immediately wash out with plenty of water            |
| <b>Contact with skin :</b> | Wash with plenty of soap and water.                                                  |
| <b>Inhalation :</b>        | Remove victim to fresh air and keep at rest in a position comfortable for breathing. |
| <b>Ingestion :</b>         | If swallowed accidentally, do not induce vomiting and seek medical advice.           |

### 4.2. Most important symptoms and effects, both acute and delayed

|                       |                                                                                                     |
|-----------------------|-----------------------------------------------------------------------------------------------------|
| <b>Inhalation :</b>   | No adverse health effects expected                                                                  |
| <b>Ingestion :</b>    | May cause gastrointestinal disturbances<br>Symptoms : sore throat, abdominal pain, nausea, vomiting |
| <b>Skin contact :</b> | May cause irritation.                                                                               |
| <b>Eye contact :</b>  | May cause irritation.                                                                               |

### 4.3. Indication of any immediate medical attention and special treatment needed

|                         |                                                                                                                                            |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General Advice :</b> | In case of accident or if you feel unwell, seek medical advice (show the label where possible)<br>If symptoms persist always call a doctor |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

water, foam, carbon dioxide or dry agent

### 5.2. Special hazards arising from the substance or mixture

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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

### 6.3. Methods and material for containment and cleaning up

Absorb spillage in suitable inert material  
Wash spill site with water and detergent

### 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  
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.  
Ensure adequate ventilation  
Avoid contact with skin and eyes.

### 7.2. Conditions for safe storage, including any incompatibilities

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.  
Store in a well-ventilated place.  
Store frost free  
Keep out of reach of children.

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### 7.3. Specific end use(s)

Cleaners - Precision

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Exposure limits :

| Hazardous ingredient                                        | CAS-nr.    | method |        |
|-------------------------------------------------------------|------------|--------|--------|
| <b>EU established exposure limits:</b>                      |            |        |        |
| (2-methoxymethylethoxy)propanol                             | 34590-94-8 | TWA    | 50 ppm |
| <b>National established exposure limits, United Kingdom</b> |            |        |        |
| (2-methoxymethylethoxy)propanol                             | 34590-94-8 | TWA    | 50 ppm |

### 8.2. Exposure controls

|                                     |                                                                                                                |
|-------------------------------------|----------------------------------------------------------------------------------------------------------------|
| <b>Control procedures :</b>         | Ensure adequate ventilation<br>Keep away from heat and sources of ignition                                     |
| <b>Personal protection :</b>        | Take precautions to avoid contact with skin and eyes when handling the product.<br>Ensure adequate ventilation |
| <b>inhalation :</b>                 | In case of insufficient ventilation, wear suitable respiratory equipment.                                      |
| recommended respiratory protection: | Air purifying respirator equipped with ABEK type cartridge                                                     |
| <b>hands and skin :</b>             | Wear suitable protective gloves against chemicals                                                              |
| Recommended gloves:                 | Nitrile                                                                                                        |
| <b>eyes :</b>                       | Wear safety goggles.                                                                                           |
| <b>Environmental protection:</b>    | Avoid release to the environment.<br>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)

|                                         |                                  |
|-----------------------------------------|----------------------------------|
| <b>Apperance : physical state :</b>     | Propane/butane propelled liquid. |
| <b>colour :</b>                         | White.                           |
| <b>odour :</b>                          | Neutral.                         |
| <b>pH :</b>                             | 11                               |
| <b>Boiling point/range :</b>            | 100 °C                           |
| <b>Flash point :</b>                    | None                             |
| <b>Evaporation rate :</b>               | Not available.                   |
| <b>Explosion limits : upper limit :</b> | Not available.                   |
| <b>lower limit :</b>                    | Not available.                   |
| <b>Vapour pressure :</b>                | Not available.                   |
| <b>Relative density :</b>               | 1.01 g/cm3 (@ 20°C).             |

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**Solubility in water :** Soluble in water  
**Auto-ignition :** > 200 °C  
**Viscosity :** Not applicable.

## 9.2. Other information

**VOC:** 69 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

Pressurized container : protect from sunlight and do not expose to temperatures exceeding 50°C.  
Avoid overheating  
Store frost free

### 10.5. Incompatible materials

Strong oxidising agent

### 10.6. Hazardous decomposition products

CO,CO2

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Information on likely routes of exposure:

**Inhalation :** No adverse health effects expected  
**Ingestion :** Ingestion is unlikely to occur  
**Skin contact :** May cause irritation.  
**Eye contact :** May cause irritation.

#### Toxicological data :



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| Hazardous ingredient            | CAS-nr.    | method          |              |
|---------------------------------|------------|-----------------|--------------|
| (2-methoxymethylethoxy)propanol | 34590-94-8 | LD50 oral rat   | > 4000 mg/kg |
|                                 |            | LD50 derm.rabit | 9510 mg/kg   |

## SECTION 12: Ecological information

### 12.1. Toxicity

Not classified

#### Ecotoxicological data:

| Hazardous ingredient            | CAS-nr.    | method       |           |
|---------------------------------|------------|--------------|-----------|
| (2-methoxymethylethoxy)propanol | 34590-94-8 | EC50 daphnia | 1919 mg/l |

### 12.2. Persistence and degradability

Readily biodegradable - OECD 301B

### 12.3. Bioaccumulative potential

No experimental data available

### 12.4. Mobility in soil

Soluble 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

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## 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: 2.2  
ADR/RID - Classification code: 5A

### 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: (E)  
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)

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## 15.2. Chemical safety assessment

No information available

## SECTION 16: Other information

\*Explanation risk-phrases: R12: Extremely flammable.  
RR22  
R36: Irritating to eyes.

\*Explanation hazard statements: - : -  
H220 : Extremely flammable gas.  
H280 : Contains gas under pressure; may explode if heated.  
H302 : Harmful if swallowed.  
H319 : Causes serious eye irritation.

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.