



**Productname :** ACRYL RAL  
**Ref.Nr.:** BDS000796\_3\_20120614 (EN)  
**Creationdate :** 14.06.12 Version : 1.1  
**Replaces:** BDS000796\_20111114

**Physical:** EXTREMELY FLAMMABLE  
**Environment:** Not classified

## 2.2. Label elements

**Warning symbol(s) :** EXTREMELY FLAMMABLE



Xi : IRRITANT



**Risk-phrase(s) :** 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.  
 S24/25: Avoid contact with skin and eyes.  
 S29/56: Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.  
 S46: If swallowed, seek medical advice immediately and show this container or label.  
 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.  
 Without adequate ventilation formation of explosive mixtures may be possible.

## 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 |
|----------------------------------|----------|-----------|-------|--------|-------------|-------|
| acetone; propan-2-one; propanone | 67-64-1  | 200-662-2 | 25-50 | F,Xi   | 11-36-66-67 | A     |
| butane (<= 0,1 % butadiene)      | 106-97-8 | 203-448-7 | 10-25 | F+     | 12          |       |
| dimethyl ether                   | 115-10-6 | 204-065-8 | 10-25 | F+     | 12          | A     |
| n-butyl acetate                  | 123-86-4 | 204-658-1 | 10-25 |        | 10-66-67    |       |
| propane                          | 74-98-6  | 200-827-9 | 10-25 | F+     | 12          | B     |
| 2-methoxy-1-methylethyl acetate  | 108-65-6 | 203-603-9 | 5-10  |        | 10          | A     |

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|   |            |           |    |      |                      |     |
|---|------------|-----------|----|------|----------------------|-----|
| Solvent naphtha (petroleum), light arom. (benzene<0.1%)                             | 64742-95-6 | 265-199-0 | <1 | Xn,N | 10-37-51/53-65-66-67 | B,P |
| <b>Explanation notes</b>  |            |           |    |      |                      |     |
| A : substance with Community workplace exposure limit                               |            |           |    |      |                      |     |
| B : substance with national established workplace exposure limit                    |            |           |    |      |                      |     |
| P : not classified as carcinogen, less than 0.1% w/w benzene (Einecs-nr. 200-753-7) |            |           |    |      |                      |     |

| Hazardous ingredient   | Registration number | CAS-nr.  | EC-nr     | w/w % | Hazard Class and Category             | Hazard statement | Notes |
|--|---------------------|----------|-----------|-------|---------------------------------------|------------------|-------|
| acetone; propan-2-one; propanone                                 | 01-2119471330-49    | 67-64-1  | 200-662-2 | 25-50 | Flam. Liq. 2, Eye Irrit. 2, STOT SE 3 | H225,H319,H336   | A     |
| butane (<= 0,1 % butadiene)                                      |                     | 106-97-8 | 203-448-7 | 10-25 | Flam. Gas 1, Press. Gas               | H220             |       |
| dimethyl ether   | 01-2119472128-37    | 115-10-6 | 204-065-8 | 10-25 | Flam. Gas 1, Press. Gas               | H220,H280        | A     |
| n-butyl acetate  | 01-2119485493-29    | 123-86-4 | 204-658-1 | 10-25 | Flam. Liq. 3, STOT SE 3               | H226,H336        |       |
| propane  |                     | 74-98-6  | 200-827-9 | 10-25 | Flam. Gas 1, Press. Gas               | H220             | B     |
| 2-methoxy-1-methylethyl acetate                                  | 01-2110475791-29    | 108-65-6 | 203-603-9 | 5-10  | Flam. Liq. 3                          | H226             | A     |
| <b>Explanation notes</b>   |                     |          |           |       |                                       |                  |       |
| 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

|                            |  |
|----------------------------|--|
| <b>Contact with eyes :</b> | If substance has got into eyes, immediately wash out with water for at least 15 minutes<br>Seek medical advice   |
| <b>Contact with skin :</b> | Remove contaminated clothing immediately and drench affected skin with plenty of water. Then wash with soap and water<br>Seek medical attention if irritation persists |
| <b>Inhalation :</b>        | Remove patient to fresh air<br>Keep warm and at rest, in a half upright position. Loosen clothing<br>Seek medical attention if ill effects occur                       |
| <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>   | Excessive inhalation of solvent vapours may give rise to nausea, headaches and dizziness            |
| <b>Ingestion :</b>    | May cause gastrointestinal disturbances<br>Symptoms : sore throat, abdominal pain, nausea, vomiting |
| <b>Skin contact :</b> | May cause irritation.<br>Symptoms : redness and pain  |
| <b>Eye contact :</b>  | Irritating to eyes<br>Symptoms : redness and pain   |

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#### 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

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



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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)

Paints

# SECTION 8: Exposure controls/personal protection

## 8.1. Control parameters

### Exposure limits :

| Hazardous ingredient  | CAS-nr.  | method |          |
|---|----------|--------|----------|
| <b>EU established exposure limits:</b>                      |          |        |          |
| 2-methoxy-1-methylethyl acetate                             | 108-65-6 | TWA    | 50 ppm   |
|   |          | STEL   | 100 ppm  |
| dimethyl ether  | 115-10-6 | TWA    | 1000 ppm |
| acetone; propan-2-one; propanone                            | 67-64-1  | TWA    | 500 ppm  |
| <b>National established exposure limits, United Kingdom</b> |          |        |          |
| butane (<= 0,1 % butadiene)                                 | 106-97-8 | TWA    | 600 ppm  |
|   |          | STEL   | 750 ppm  |
| dimethyl ether  | 115-10-6 | TWA    | 400 ppm  |
|   |          | STEL   | 500 ppm  |
| n-butyl acetate   | 123-86-4 | TWA    | 150 ppm  |
|   |          | STEL   | 200 ppm  |
| acetone; propan-2-one; propanone                            | 67-64-1  | TWA    | 500 ppm  |
|   |          | STEL   | 1500 ppm |

## 8.2. Exposure controls

**Control procedures :** Ensure adequate ventilation  
 Keep away from heat and sources of ignition



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|                              |   |
|------------------------------|---|
| <b>Personal protection :</b> | Take precautionary measures against static discharges<br>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.<br>Air purifying respirator equipped with organic gas/vapor cartridge (type A or AX)          |
| <b>hands and skin :</b>      | Wear suitable protective gloves against chemicals<br>(butyl rubber)   |
| <b>eyes :</b>                | 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)

|   |                                   |
|---|-----------------------------------|
| <b>Apperance : physical state :</b>     | Liquid under pressure.            |
| <b>colour :</b>                         | See color cap.                    |
| <b>odour :</b>                          | Characteristic odor.              |
| <b>pH :</b>                             | Not applicable.                   |
| <b>Boiling point/range :</b>            | Not available.                    |
| <b>Flash point :</b>                    | < 0 °C                            |
| <b>Evaporation rate :</b>               | Not available.                    |
| <b>Explosion limits : upper limit :</b> | 18.6 %                            |
| <b>lower limit :</b>                    | 1.2 %                             |
| <b>Vapour pressure :</b>                | 830 kPa (@ 20°C).                 |
| <b>Relative density :</b>               | 0.868 g/cm <sup>3</sup> (@ 20°C). |
| <b>Solubility in water :</b>            | Not available.                    |
| <b>Auto-ignition :</b>                  | > 200 °C                          |
| <b>Viscosity :</b>                      | Not applicable.                   |

### 9.2. Other information

**VOC:** 830.5 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



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#### 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

|                       |  |
|-----------------------|--|
| <b>Inhalation :</b>   | Inhalation of solvent vapours may give rise to nausea, headaches and dizziness |
| <b>Ingestion :</b>    | May cause gastrointestinal disturbances  |
| <b>Skin contact :</b> | May cause irritation.  |
| <b>Eye contact :</b>  | Irritating to eyes   |

#### Toxicological data :

| Hazardous ingredient             | CAS-nr.  | method          |              |
|----------------------------------|----------|-----------------|--------------|
| n-butyl acetate                  | 123-86-4 | LD50 oral rat   | > 2000 mg/kg |
|                                  |          | LC50 inhal.rat  | > 20 mg/l    |
| acetone; propan-2-one; propanone | 67-64-1  | LD50 oral rat   | > 2000 mg/kg |
|                                  |          | LD50 derm.rabit | > 2000 mg/kg |

### SECTION 12: Ecological information

#### 12.1. Toxicity

Not classified

#### Ecotoxicological data:

| Hazardous ingredient             | CAS-nr.  | method       |            |
|----------------------------------|----------|--------------|------------|
| n-butyl acetate                  | 123-86-4 | IC50 algae   | 647 mg/l   |
|                                  |          | LC50 fish    | 18 mg/l    |
|                                  |          | EC50 daphnia | 44 mg/l    |
| acetone; propan-2-one; propanone | 67-64-1  | IC50 algae   | > 100 mg/l |
|                                  |          | LC50 fish    | > 100 mg/l |
|                                  |          | EC50 daphnia | > 100 mg/l |



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### 12.2. Persistence and degradability

No experimental data available

### 12.3. Bioaccumulative potential

No experimental data available

### 12.4. Mobility in soil

No experimental data available

### 12.5. Results of PBT and vPvB assessment

No information available

### 12.6. Other adverse effects

## 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.



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#### 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.  
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.  
R37: Irritating to respiratory system.  
R65: Harmful: may cause lung damage if swallowed.  
R66: Repeated exposure may cause skin dryness or cracking.  
R67: Vapours may cause drowsiness and dizziness.  
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

\*Explanation hazard statements: H220 : Extremely flammable gas.  
H225 : Highly flammable liquid and vapour.  
H226 : Flammable liquid and vapour.  
H280 : Contains gas under pressure; may explode if heated.  
H319 : Causes serious eye irritation.  
H336 : May cause drowsiness or dizziness.



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|   |  |
|---|--|
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This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal regulation.

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