

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 12.04.2018

Version number 1

Revision: 24.06.2016

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

#### - 1.1 Product identifier

- Trade name: **CILRELEASE 1711E (AEROSOL)**

- Article number: R091084A00

- 1.2 Relevant identified uses of the substance or mixture and uses advised against  
No further relevant information available.

- Application of the substance / the mixture Adhesives

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

##### - Manufacturer/Supplier:

Kommerling UK Ltd  
217 Walton Summit Road  
Bamber Bridge  
Preston, Lancashire  
PR5 8AQ United Kingdom  
+44 (0)1772 322888  
+44 (0)1772 315853  
sds@kommerlinguk.com

##### - Informing department:

Abteilung: C-U Qualitäts- und Umweltmanagementcenter  
(department: C-U Quality- and Environmentalmanagementcenter)  
Tel.: +49 (0)6331/56-2553; Fax.: +49 (0)6331/56-1091  
e-Mail: Productsafety@Koe-Chemie.de

#### - 1.4 Emergency telephone number:

In case of poisoning:  
GBK-EMTEL International  
Tel.(24h): +49(0)6132/84463 (all languages)

In case of transport accidents:

Tel.(24h): (001) 352 323 3500 (Infotrac - Contract ID: 90373 / GBK)

### SECTION 2: Hazards identification

#### - 2.1 Classification of the substance or mixture

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

Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

- **Additional information:** The classification resulted from the calculation method of CLP-regulation.

#### - 2.2 Label elements

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

The product is classified and labelled according to the CLP regulation.

##### - Hazard pictograms



GHS02

- Signal word Danger

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**- Hazard statements**

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

**- Precautionary statements**

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 spray.

P271 Use only outdoors or in a well-ventilated area.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

**- Additional information:**

Buildup of explosive mixtures possible without sufficient ventilation.

**- 2.3 Other hazards**
**- Results of PBT and vPvB assessment**
**- PBT:** Not applicable.

**- vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

**- 3.2 Chemical characterisation: Mixtures**
**- Description:** Mixture of several substances

**- Dangerous components:**

CAS: 68476-85-7 EINECS: 270-704-2	Petroleum gases, liquefied Flam. Gas 1, H220; Flam. Liq. 1, H224; Press. Gas (Comp.), H280	75-100%
EC number: 918-167-1 Reg.nr.: 01-2119472146-39-xxxx	C9-12-Iso-alkanes Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 4, H413	<2%

**- SVHC** Doesn't contain SVHC-substances.

**- Additional information**

EC-number 918-167-1: Outside of Europe this substance is assigned CAS-Nr. 90622-57-4 (isoparaffines [isoalkanes]);

(Content of aromatics &lt; 2 %)

For the wording of the listed hazard phrases refer to section 16.

### SECTION 4: First aid measures

**- 4.1 Description of first aid measures**
**- After inhalation** Supply fresh air; consult doctor in case of complaints.

**- After skin contact**

Treat affected skin with cotton wool or cellulose. Then wash and rinse thoroughly with water and a mild cleaning agent.

**- After eye contact** Rinse opened eye for several minutes under running water. Then consult doctor.

**- After swallowing** Call a doctor immediately.

**- 4.2 Most important symptoms and effects, both acute and delayed**

No further relevant information available.

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- **4.3 Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents**  
Water spray  
Alcohol-resistant foam  
Fire-extinguishing powder  
Carbon dioxide
- **For safety reasons unsuitable extinguishing agents** Water with full jet.
- **5.2 Special hazards arising from the substance or mixture**  
Formation of toxic gases is possible during heating or in case of fire.
- **5.3 Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Ensure adequate ventilation
- **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:** Pick up mechanically.
- **6.4 Reference to other sections**  
See Section 7 for information on safe handling  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** Use only in well ventilated areas.
- **Information about protection against explosions and fires:**  
Keep ignition sources away - Do not smoke.  
Beware: Receptacle is pressurized. Keep away from direct sun exposure and temperatures over 50 °C.  
Do not open by force or throw into fire even after use.  
Do not spray on flames or red-hot objects.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and receptacles:**  
Prevent any seepage into the ground.  
Observe official regulations on storing packagings with pressurised containers.  
Store in a cool location.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:**  
Protect from frost.  
Keep receptacle tightly sealed.  
Protect from heat and direct sunlight.  
Store receptacle in a well ventilated area.  
Store in dry conditions.

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- **Storage class (according german VCI-concept):** 2 B
- **7.3 Specific end use(s):** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.

#### - 8.1 Control parameters

- **Components with limit values that require monitoring at the workplace:**

#### 68476-85-7 Petroleum gases, liquefied

WEL (Great Britain)	Short-term value: 2180 mg/m <sup>3</sup> , 1250 ppm Long-term value: 1750 mg/m <sup>3</sup> , 1000 ppm Carc (if LPG contains > 0.1% of buta-1.3-diene)
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#### - 8.2 Exposure controls

##### - Personal protective equipment

##### - General protective and hygienic measures

The usual precautionary measures should be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of the work.

##### - Breathing equipment:

Not required with good ventilation and/or adequate extractor facilities

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

Short term filter device:

A2 (DIN EN 14387 / DIN EN 141)

##### - Protection of hands (DIN EN 420):

Direct contact with the chemical preparation must be avoided by organizational measures. Apply skin protectant before working with gloves to avoid skin swellings and use a skin cleansing and skincare product after the work.

Compliance with the stated penetration time (starts with the first product contact) must be ensured!

The gloves need to be disposed of after the penetration time and new gloves used!

##### - For the permanent contact gloves made of the following materials are suitable:

If longer exposure to the chemical preparation is necessary, a sturdy overglove against mechanical strain is recommended in combination with the "Barrier 02-100" underglove from Ansell (penetration time 480 min).

##### - For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:

Fluorinated rubber (Viton) [0.7mm - penetration time 15 min]

##### - As protection from splashes gloves made of the following materials are suitable:

Recommended for protection from splashes: disposable nitrile gloves (minimum thickness 0.12 mm) with long cuffs. After contact with the chemical preparation, take the disposable nitrile glove off immediately and put on a new disposable nitrile glove.

##### - Eye protection: Safety glasses

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### SECTION 9: Physical and chemical properties

#### - 9.1 Information on basic physical and chemical properties

##### - General Information

##### - Appearance:

Form:	Aerosol
Colour:	Colourless
- Odour:	Solvent-like
- Odour threshold:	Not determined.

##### - Change in condition

Initial boiling point and boiling range: Not applicable, as aerosol

- Flash point: -60 °C

- Ignition temperature: &gt; 200 °C

##### - Explosion limits:

Lower:	0.6 Vol %
Upper:	7.0 Vol %

- Vapour pressure at 20 °C: 1 hPa

- Specific gravity: Not determined

- Vapour density: Not determined.

- Evaporation rate: Not applicable.

##### - Solubility in / Miscibility with

Water: Insoluble

- Partition coefficient: n-octanol/water: Not determined.

##### - Solvent content:

Organic solvents:	2.3 %
VOC (EU):	946.8 g/l
VOC (EU):	94.68 %
VOC (CH):	94.68 %

- 9.2 Other information: No further relevant information available.

### SECTION 10: Stability and reactivity

- 10.1 Reactivity: No further relevant information available.

##### - 10.2 Chemical stability

##### - Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

- 10.4 Conditions to avoid: No further relevant information available.

- 10.5 Incompatible materials: No further relevant information available.

- 10.6 Hazardous decomposition products: Carbon monoxide

### SECTION 11: Toxicological information

#### - 11.1 Information on toxicological effects

- Acute toxicity: Based on available data, the classification criteria are not met.

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- **Primary irritant effect:**
- **Skin corrosion/irritation** Prolonged or repeated contact with the skin may cause skin irritation
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **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.

## SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:** Do not allow product to reach ground water, water course or sewage system.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

## SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation** Disposal in accordance with official regulations
- **EWC-Code(s):**

To be treated as industrial waste: do not dispose of in or on soil, in watercourses or bodies, or through a sewage system. These EU refuse code numbers are recommendations for waste accruing through the use of adhesives and sealants. Any waste produced from organic solvents or other dangerous substances listed under item 3 of this safety datasheet is itself classified as dangerous (\*).

Waste accruing during application:

080409\* waste adhesives and sealants containing organic solvents or other dangerous substances  
080410 waste adhesives and sealants other than those mentioned in 080409

Waste accruing during cleaning:

08 04 11\* adhesive and sealant sludges containing organic solvents or other dangerous substances  
08 04 12 adhesive and sealant sludges other than those mentioned in 080411

Soiled waste packaging:

15 01 10\* packaging containing residues of or contaminated by dangerous substances.

Clean waste packaging:

15 01 01 paper and cardboard packaging  
15 01 02 plastic packaging

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- 15 01 04 metallic packaging
- **Uncleaned packagings:**
  - **Recommendation:** Disposal must be made according to official regulations.
  - **Waste key**  
160504\* gases in pressure containers (including halons) containing dangerous substances

### SECTION 14: Transport information

- 14.1 UN-Number	
- ADR/RID/ADN, IMDG, IATA	UN1950
- 14.2 UN proper shipping name	
- ADR/RID/ADN	1950 AEROSOLS
- IMDG	AEROSOLS
- IATA	AEROSOLS, flammable
- 14.3 Transport hazard class(es)	
- ADR/RID/ADN	
	
- Class	2 5F Gases.
- Label	2.1
- IMDG, IATA	
	
- Class	2.1
- Label	2.1
- 14.4 Packing group	
- ADR/RID/ADN, IMDG, IATA	Void
- 14.5 Environmental hazards:	Not applicable.
- 14.6 Special precautions for user	
- Stowage Code	Warning: Gases. SW1 Protected from sources of heat. SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.

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<b>- Segregation Code</b>	SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.
<b>- 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.
<b>- Transport/Additional information:</b>	
<b>- ADR/RID/ADN</b>	
<b>- Limited quantities (LQ)</b>	1L
<b>- Excepted quantities (EQ)</b>	Code: E0 Not permitted as Excepted Quantity
<b>- Transport category</b>	2
<b>- Tunnel restriction code</b>	D
<b>- IMDG</b>	
<b>- Limited quantities (LQ)</b>	1L
<b>- Excepted quantities (EQ)</b>	Code: E0 Not permitted as Excepted Quantity
<b>- UN "Model Regulation":</b>	UN 1950 AEROSOLS, 2.1

### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **Seveso category P3a FLAMMABLE AEROSOLS**
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 150 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3
- **National regulations**
- **Information about limitation of use:**  
Employment restrictions concerning young persons must be observed.
- **Disturbance regulations:**  
Critical quantity values according to the regulations on accidents should be adhered to.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

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-----  
For industrial use only.

**- Legend of H- and R-phrases, concerning the in chapter 3 mentioned substances (marking of product please see chapter 2)**

- H220 Extremely flammable gas.
- H224 Extremely flammable liquid and vapour.
- H226 Flammable liquid and vapour.
- H280 Contains gas under pressure; may explode if heated.
- H304 May be fatal if swallowed and enters airways.
- H413 May cause long lasting harmful effects to aquatic life.

**- Department issuing SDS:**

**- Abbreviations and acronyms:**

- RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
- ICAO: International Civil Aviation Organisation
- ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association
- GHS: Globally Harmonised System of Classification and Labelling of Chemicals
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- VOCV: Lenkungsabgabe auf flüchtigen organischen Verbindungen, Schweiz (Swiss Ordinance on volatile organic compounds)
- VOC: Volatile Organic Compounds (USA, EU)
- PBT: Persistent, Bioaccumulative and Toxic
- SVHC: Substances of Very High Concern
- vPvB: very Persistent and very Bioaccumulative
- Flam. Gas 1: Flammable gases – Category 1
- Aerosol 1: Aerosols – Category 1
- Press. Gas (Comp.): Gases under pressure – Compressed gas
- Flam. Liq. 1: Flammable liquids – Category 1
- Flam. Liq. 3: Flammable liquids – Category 3
- Asp. Tox. 1: Aspiration hazard – Category 1
- Aquatic Chronic 4: Hazardous to the aquatic environment - long-term aquatic hazard – Category 4

**- \* Data compared to the previous version altered.**

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