

# Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 26.04.2013

Version number 3

Revision: 10.10.2011

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

### 1.1 Product identifier

Trade name: illbruck AA290

MSDS code: A-I-AA290

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

No further relevant information available.

Application of the substance / the preparation Cleaning agent / Cleaner

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

#### Manufacturer/Supplier:

Tremco illbruck Productie B.V.

Vlietskade 1032, 4241 WC Arkel

T: +31 (0) 183568000, F: +31 (0) 183568100

msds@tremco-illbruck.com

#### Further information obtainable from:

Tremco illbruck Ltd

Coupland Road, Hindley Green, Wigan, WN2 4HT

T: +44 (0) 1942251400, F: +44 (0) 1942251410

www.tremco-illbruck.co.uk, uk.info@tremco-illbruck.com

### 1.4 Emergency telephone number:

During office hours tel.: +44 (0) 1942251400. At all other times please contact your national poisoning centre.

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Classification according to Directive 67/548/EEC or Directive 1999/45/EC



Xi; Irritant

R36: Irritating to eyes.



F+; Extremely flammable

R12: Extremely flammable.

R66-67: Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

#### Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.

Warning! Pressurized container.

#### Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

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#### · 2.2 Label elements

##### · Labelling according to EU guidelines:

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

##### · Code letter and hazard designation of product:



Xi Irritant  
F+ Extremely flammable

##### · Risk phrases:

12 Extremely flammable.  
36 Irritating to eyes.  
66 Repeated exposure may cause skin dryness or cracking.  
67 Vapours may cause drowsiness and dizziness.

##### · Safety phrases:

2 Keep out of the reach of children.  
16 Keep away from sources of ignition - No smoking.  
23 Do not breathe vapour/spray.  
33 Take precautionary measures against static discharges.  
51 Use only in well-ventilated areas.  
60 This material and its container must be disposed of as hazardous waste.

##### · Special labelling of certain preparations:

Pressurized 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.

##### · Classification in accordance with Directive 75/324/EEC: Extremely flammable

#### · 2.3 Other hazards

##### · Results of PBT and vPvB assessment

· **PBT:** Not applicable.  
· **vPvB:** Not applicable.

## SECTION 3: Composition/information on ingredients

#### · 3.2 Mixtures

· **Description:** Active substance with propellant

##### · Dangerous components:

|                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                               |           |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| CAS: 67-64-1<br>EINECS: 200-662-2 | acetone<br> Xi R36;  F R11<br>R66-67<br> Flam. Liq. 2, H225;  Eye Irrit. 2, H319; STOT SE 3, H336 | 75- <100% |
| CAS: 74-98-6<br>EINECS: 200-827-9 | propane<br> F+ R12<br> Flam. Gas 1, H220;  Press. Gas, H280                                                                                                                          | 10- <20%  |

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|                                    |                                                                                                                                                                                                                                                                                                                  |         |
|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| CAS: 106-97-8<br>EINECS: 203-448-7 | butane<br> F+ R12<br> Flam. Gas 1, H220;  Press. Gas, H280    | 5- <10% |
| CAS: 75-28-5<br>EINECS: 200-857-2  | isobutane<br> F+ R12<br> Flam. Gas 1, H220;  Press. Gas, H280 | 5- <10% |

· **Additional information:** For the wording of the listed risk phrases refer to section 16.

## SECTION 4: First aid measures

### · 4.1 Description of first aid measures

- **General information:** Take affected persons out of danger area and lay down.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**  
Immediately wash with water and soap and rinse thoroughly.  
If symptoms persist consult doctor.
- **After eye contact:**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** Drink plenty of water and provide fresh air. Call for a doctor immediately.
- **4.2 Most important symptoms and effects, both acute and delayed**  
No further relevant information available.
- **Information for doctor:** No further relevant information available.
- **Hazards** No further relevant information available.
- **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:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **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.  
In case of fire, the following can be released:  
Carbon monoxide (CO)  
Carbon dioxide
- **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**  
Wear protective equipment. Keep unprotected persons away.
- **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:** Ensure adequate ventilation.
- **6.4 Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.

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See Section 13 for disposal information.

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**SECTION 7: Handling and storage**

- **7.1 Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care.

- **Information about fire - and explosion protection:**

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C, i.e. electric lights. Do not pierce or burn, even after use.

Do not spray onto a naked flame or any incandescent material.

- **7.2 Conditions for safe storage, including any incompatibilities**

- **Storage:**

- **Requirements to be met by storerooms and receptacles:**

Store in a cool location.

Observe official regulations on storing packagings with pressurized containers.

- **Information about storage in one common storage facility:** Not required.

- **Further information about storage conditions:**

Keep container tightly sealed.

Do not seal receptacle gas tight.

Store in cool, dry conditions in well sealed receptacles.

Protect from heat and direct sunlight.

- **7.3 Specific end use(s)** No further relevant information available.

**SECTION 8: Exposure controls/personal protection**

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

- **8.1 Control parameters**

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

**67-64-1 acetone**WEL Short-term value: 3620 mg/m<sup>3</sup>, 1500 ppmLong-term value: 1210 mg/m<sup>3</sup>, 500 ppm**106-97-8 butane**WEL Short-term value: 1810 mg/m<sup>3</sup>, 750 ppmLong-term value: 1450 mg/m<sup>3</sup>, 600 ppm

Carc (if more than 0.1% of buta-1.3-diene)

- **Additional information:** The lists valid during the making were used as basis.

- **8.2 Exposure controls**

- **Personal protective equipment:**

- **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

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- **Respiratory protection:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

- **Protection of hands:**



Protective gloves

- **Material of gloves**

Nitrile rubber, NBR

Natural rubber, NR

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:**



Tightly sealed goggles

- **Body protection:** Protective work clothing

## SECTION 9: Physical and chemical properties

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

- **General Information**

- **Appearance:**

**Form:**

Aerosol

**Colour:**

According to product specification

- **Odour:**

Characteristic

- **Odour threshold:**

Not determined.

- **pH-value:**

Not determined.

- **Change in condition**

**Melting point/Melting range:**

Undetermined.

**Boiling point/Boiling range:**

-44 °C

- **Flash point:**

-97 °C

- **Flammability (solid, gaseous):**

Not applicable.

- **Ignition temperature:**

365 °C

- **Decomposition temperature:**

Not determined.

- **Self-igniting:**

Product is not selfigniting.

- **Danger of explosion:**

Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

- **Explosion limits:**

**Lower:**

1.7 Vol %

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|                                                   |                                            |
|---------------------------------------------------|--------------------------------------------|
| <b>Upper:</b>                                     | 13.0 Vol %                                 |
| · <b>Vapour pressure at 20 °C:</b>                | 3500 hPa                                   |
| · <b>Density:</b>                                 | Not determined.                            |
| · <b>Relative density</b>                         | Not determined.                            |
| · <b>Vapour density</b>                           | Not determined.                            |
| · <b>Evaporation rate</b>                         | Not applicable.                            |
| · <b>Solubility in / Miscibility with water:</b>  | Not miscible or difficult to mix.          |
| · <b>Partition coefficient (n-octanol/water):</b> | Not determined.                            |
| · <b>Viscosity:</b>                               |                                            |
| <b>Dynamic:</b>                                   | Not determined.                            |
| <b>Kinematic:</b>                                 | Not determined.                            |
| · <b>Solvent content:</b>                         |                                            |
| <b>VOC (EU)</b>                                   | 1000.0 g/l                                 |
| <b>VOC (EC)</b>                                   | 100.00 %                                   |
| · <b>9.2 Other information</b>                    | No further relevant information available. |

### SECTION 10: Stability and reactivity

- **10.1 Reactivity**
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

### SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity:**

|                                                      |  |  |
|------------------------------------------------------|--|--|
| · <b>LD/LC50 values relevant for classification:</b> |  |  |
|------------------------------------------------------|--|--|

|                        |  |  |
|------------------------|--|--|
| <b>67-64-1 acetone</b> |  |  |
|------------------------|--|--|

|        |      |                      |
|--------|------|----------------------|
| Oral   | LD50 | 5800 mg/kg (rat)     |
| Dermal | LD50 | 20000 mg/kg (rabbit) |

- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** Irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

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Irritant

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**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 undiluted product or large quantities of it 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**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
  - **European waste catalogue**
- |           |                    |
|-----------|--------------------|
| 20 01 13* | solvents           |
| 15 01 04  | metallic packaging |
- **Uncleaned packaging:**
  - **Recommendation:** Disposal must be made according to official regulations.

**SECTION 14: Transport information**

- |                                                                                     |                     |
|-------------------------------------------------------------------------------------|---------------------|
| · <b>14.1 UN-Number</b>                                                             | UN1950              |
| · <b>ADR, IMDG, IATA</b>                                                            |                     |
| · <b>14.2 UN proper shipping name</b>                                               | 1950 AEROSOLS       |
| · <b>ADR</b>                                                                        | AEROSOLS            |
| · <b>IMDG</b>                                                                       | AEROSOLS            |
| · <b>IATA</b>                                                                       | AEROSOLS, flammable |
| · <b>14.3 Transport hazard class(es)</b>                                            |                     |
| · <b>ADR</b>                                                                        |                     |
|  |                     |
| · <b>Class</b>                                                                      | 2 5F Gases.         |

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|                                                                                       |                 |
|---------------------------------------------------------------------------------------|-----------------|
| · <b>Label</b>                                                                        | 2.1             |
| · <b>IMDG, IATA</b>                                                                   |                 |
|      |                 |
| · <b>Class</b>                                                                        | 2.1             |
| · <b>Label</b>                                                                        | 2.1             |
| · <b>14.4 Packing group</b>                                                           |                 |
| · <b>ADR, IMDG, IATA</b>                                                              | Void            |
| · <b>14.5 Environmental hazards:</b>                                                  |                 |
| · <b>Marine pollutant:</b>                                                            | No              |
| · <b>14.6 Special precautions for user</b>                                            | Warning: Gases. |
| · <b>Danger code (Kemler):</b>                                                        | -               |
| · <b>EMS Number:</b>                                                                  | F-D,S-U         |
| · <b>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b> | Not applicable. |
| · <b>Transport/Additional information:</b>                                            |                 |
| · <b>ADR</b>                                                                          |                 |
| · <b>Limited quantities (LQ)</b>                                                      | 1L              |
| · <b>Transport category</b>                                                           | 2               |
| · <b>Tunnel restriction code</b>                                                      | D               |

### SECTION 15: Regulatory information

#### · 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Directive 1999/45/EC.

"CLP" Regulation (EC) No 1272/2008 (OJ L 353, 31.12.2008, p.1).

"CHIP" SI 2009 No.716.

"REACH" Regulation (EC) No 1907/2006 (OJ L 396, 30.12.2006, p.1, with subsequent amendments).

"Aerosol" Regulation (EC) No 75/324.

#### · National regulations:

#### · Other regulations, limitations and prohibitive regulations

#### · Substances of very high concern (SVHC) according to REACH, Article 57 Not applicable.

#### · 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.

#### · Relevant phrases

H220 Extremely flammable gas.

H225 Highly flammable liquid and vapour.

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H280 Contains gas under pressure; may explode if heated.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

R11 Highly flammable.

R12 Extremely flammable.

R36 Irritating to eyes.

R66 Repeated exposure may cause skin dryness or cracking.

R67 Vapours may cause drowsiness and dizziness.

· **Previous Revision Date:** 23-07-2010 (UK)· **\* Data compared to the previous version altered.**

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