# Safety Data Sheet

according to UK REACH Regulation

**Freezer BR**



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

### 1.1. Product identifier

Freezer BR

UFI: TPTQ-598N-FEQ2-QXE7

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

**Uses advised against**

.

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

| | |
|---|---|
| Company name: | ITW LLC & Co. KG |
| Street: | Am Eichenbach 14 |
| Place: | D-73054 Eislingen/Fils |
| Telephone: | +49 800 6273002 |
| E-mail: | skrautmann@itwindustrialsolutions.com |
| Contact person: | Produktsicherheit Mo. - Do. Telephone: ++49 800 6273002<br>8.00 - 16.30 Fr. 8.00 - 14.00 |
| E-mail: | info@itwindustrialsolutions.com |
| Internet: | www.itwindustrialsolutions.com |
| Responsible Department: | Produktsicherheit Mo. - Do. 8.00 - 16.30 Fr. 8.00 - 14.00<br>Deutschland: Vergiftungs-Informations-Zentrale Freiburg 0761 19240<br>Swiss Toxicological Information Centre - Téléphone : +41 44 251 51 51 (in Switzerland dial 145)<br>United Kingdom : National Poisons Information Service - Phone number : 8448920111<br>Österreich : Vergiftungsinformationszentrale Vienna - Telefon-Nummer : +43 1 406 43 43<br>Schweiz : Tox Info Suisse - Telefon-Nummer : +41 44 251 51 51<br>España : Instituto Nacional de Toxicología - Teléfono : +34 91 562 04 20<br>România (Romania): Spitalul de Urgenta Floreasca 021 230 8000<br>România (Romania): Spitalul de Urgenta Floreasca 021 230 8000<br>CAV “Ospedale Pediatrico Bambino Gesù” – Roma Tel. (+39) 06.6859.3726<br>CAV “Azienda Ospedaliera Università di Foggia” – Foggia Tel. 800.183.459<br>CAV “Azienda Ospedaliera A. Cardarelli” – Napoli Tel. (+39) 081.545.3333<br>CAV Policlinico “Umberto I” – Roma Tel. (+39) 06.4997.8000<br>CAV Policlinico “A. Gemelli” – Roma Tel. (+39) 06.305.4343<br>CAV Azienda Ospedaliera “Careggi” U.O. Tossicologia Medica – Firenze Tel. (+39) 055.794.7819<br>CAV Centro Nazionale di Informazione Tossicologica – Pavia Tel. (+39) 0382.24.444<br>CAV Ospedale Niguarda – Milano Tel. (+39) 02.66.1010.29<br>CAV Azienda Ospedaliera Papa Giovanni XXIII – Bergamo Tel. 800.88.33.00<br>CAV Centro antiveleni Veneto – Verona Tel. 800.011.858<br>Slovakia: National Toxicological Information Centre Bratislava +421 2 5465 2307<br>Czech Republic: Ministry of Health of the Czech Republic Chemical Substances and Biocidal Products Unit +420 267 082 236<br>Slovakia: National Toxicological Information Centre Bratislava +421 2 5465 2307<br>Myrkytystietokeskus/HUS 0800 – 147111/ 09-471977 |

### 1.4. Emergency telephone number:

Deutschland: ++49 800 6273002
Slovakia: National Toxicological Information Centre Bratislava +421

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

**GB CLP Regulation**

Hazard categories:
Aerosols: Aerosol 1
Hazard Statements:
Extremely flammable aerosol.
Pressurised container: May burst if heated.

## 2.2. Label elements

**GB CLP Regulation**

**Signal word:** Danger

**Pictograms:**



**Hazard statements**

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

**Precautionary statements**

| | |
|---|---|
| P501 | Dispose of contents/container to an appropriate recycling or disposal facility. |
| P211 | Do not spray on an open flame or other ignition source. |
| P251 | Do not pierce or burn, even after use. |
| P102 | Keep out of reach of children. |
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P410+P412 | Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. |
| P271 | Use only outdoors or in a well-ventilated area. |

## 2.3. Other hazards

In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.

# SECTION 3: Composition/information on ingredients

## 3.2. Mixtures

**Relevant ingredients**

| CAS No | Chemical name | | | Quantity |
|---|---|---|---|---|
| | EC No | Index No | REACH No | |
| | Classification (GB CLP Regulation) | | | |
| 75-28-5 | isobutane | | | 50-100 % |
| | 200-857-2 | 601-004-00-0 | | |
| | Flam. Gas 1; H220 | | | |
| 74-98-6 | propane | | | 25-50 % |
| | 200-827-9 | 601-003-00-5 | | |
| | Flam. Gas 1; H220 | | | |
| 106-97-8 | butane | | | 10-20 % |
| | 203-448-7 | 601-004-00-0 | | |
| | Flam. Gas 1; H220 | | | |

Full text of H and EUH statements: see section 16.

# SECTION 4: First aid measures

### 4.1. Description of first aid measures

**After inhalation**

Provide fresh air.

**After contact with skin**

After contact with skin, wash immediately with: Water. Change contaminated clothing.

**After contact with eyes**

Rinse immediately carefully and thoroughly with eye-bath or water.

**After ingestion**

If swallowed, immediately drink: Water.

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

No data available

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

No data available

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

**Suitable extinguishing media**

Carbon dioxide ($CO_2$). Foam. Extinguishing powder.

**Unsuitable extinguishing media**

Water with tenside additive. Water.

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

Combustible. Vapours may form explosive mixtures with air. Heating causes rise in pressure with risk of bursting.

### 5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

**Additional information**

Use water spray jet to protect personnel and to cool endangered containers.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

**General advice**

Remove all sources of ignition.

### 6.2. Environmental precautions

Do not allow to enter into surface water or drains. Explosion hazard.

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

**For containment**

For cleaning up Wash with plenty of water.

**For cleaning up**

For cleaning up Wash with plenty of water.

**Other information**

Ventilate affected area.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Advice on safe handling**

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

**Advice on protection against fire and explosion**

Keep away from sources of ignition - No smoking.

**Advice on general occupational hygiene**

Change contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink.

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

**Requirements for storage rooms and vessels**

Keep container tightly closed. Keep in a cool, well-ventilated place. Keep away from sources of ignition - No smoking.

**Hints on joint storage**

Do not store together with: Material, rich in oxygen, oxidizing.

**Further information on storage conditions**

Recommended storage temperature 20°C

### 7.3. Specific end use(s)

.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

**Exposure limits (EH40)**

| CAS No | Substance | ppm | mg/m³ | fibres/ml | Category | Origin |
|---|---|---|---|---|---|---|
| 106-97-8 | Butane | 600 | 1450 | | TWA (8 h) | WEL |
| | | 750 | 1810 | | STEL (15 min) | WEL |

### 8.2. Exposure controls

**Appropriate engineering controls**

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection**

Tightly sealed safety glasses.

**Hand protection**

EN ISO 374 Tested protective gloves are to be worn: Butyl rubber. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

**Skin protection**

Protective clothing:

**Respiratory protection**

In case of inadequate ventilation wear respiratory protection.

## SECTION 9: Physical and chemical properties

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

| | | |
|---|---|---|
| Physical state: | Aerosol | |
| Colour: | colourless | |
| Odour: | characteristic | |
| Boiling point or initial boiling point and boiling range: | | -0,5 °C |
| Lower explosion limits: | | 1,4 vol. % |
| Upper explosion limits: | | 9,4 vol. % |

| | |
|---|---|
| Flash point: | 0 °C |
| Auto-ignition temperature: | 365 °C |
| Vapour pressure: (at 20 °C) | 2100 hPa |
| Vapour pressure: (at 50 °C) | 4900 hPa |
| Density: | 0,55 g/cm³ |

**9.2. Other information**

Keine weiteren relevanten Informationen verfügbar.
No further relevant information available.

## SECTION 10: Stability and reactivity

**10.1. Reactivity**

No data available

**10.2. Chemical stability**

No data available

**10.3. Possibility of hazardous reactions**

No data available .

**10.4. Conditions to avoid**

Keep away from heat. Ignition hazard.

**10.5. Incompatible materials**

No data available

**10.6. Hazardous decomposition products**

No data available

## SECTION 11: Toxicological information

**11.1. Information on hazard classes as defined in GB CLP Regulation**

**ATEmix calculated**

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation gas) > 20000 ppm

**Irritation and corrosivity**

No data available

**Sensitising effects**

not sensitising.

**Carcinogenic/mutagenic/toxic effects for reproduction**

No data available

**STOT-single exposure**

No data available

**STOT-repeated exposure**

No data available

**Aspiration hazard**

No data available

**Information on likely routes of exposure**

No data available

**Specific effects in experiment on an animal**

No data available

**Additional information on tests**

No data available

**Practical experience**

No data available

**11.2. Information on other hazards**

**Other information**

Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.
Based on the available data, the classification criteria are not met.

## SECTION 12: Ecological information

**12.3. Bioaccumulative potential**

**Partition coefficient n-octanol/water**

| CAS No | Chemical name | Log Pow |
|---|---|---|
| 75-28-5 | isobutane | 2,8 |
| 74-98-6 | propane | 2,36 |
| 106-97-8 | butane | 2,89 |

**12.5. Results of PBT and vPvB assessment**

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

**12.6. Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

**12.7. Other adverse effects**

No data available

**Further information**

Do not allow to enter into surface water or drains.

## SECTION 13: Disposal considerations

**13.1. Waste treatment methods**

**Disposal recommendations**

Dispose of waste according to applicable legislation.

**List of Wastes Code - residues/unused products**

160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing hazardous substances; hazardous waste

**List of Wastes Code - contaminated packaging**

150104 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); metallic packaging

**Contaminated packaging**

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

## SECTION 14: Transport information

**Land transport (ADR/RID)**

**14.1. UN number or ID number:** UN1950
**14.2. UN proper shipping name:** AEROSOLS
**14.3. Transport hazard class(es):** 2
Hazard label: 2.1



| | |
|---|---|
| Classification code: | 5F |
| Special Provisions: | 190 327 625 |
| Limited quantity: | 1 L |
| Transport category: | 2 |
| Tunnel restriction code: | D |

**Other applicable information (land transport)**

E0

**Inland waterways transport (ADN)**

| | |
|---|---|
| **14.1. UN number or ID number:** | UN1950 |
| **14.2. UN proper shipping name:** | AEROSOLS |
| **14.3. Transport hazard class(es):** | 2 |
| Hazard label: | 2.1 |



| | |
|---|---|
| Classification code: | 5F |
| Special Provisions: | 190 327 344 625 |
| Limited quantity: | 1 L |

**Other applicable information (inland waterways transport)**

E0

**Marine transport (IMDG)**

| | |
|---|---|
| **14.1. UN number or ID number:** | UN1950 |
| **14.2. UN proper shipping name:** | AEROSOLS |
| **14.3. Transport hazard class(es):** | 2 |
| **14.4. Packing group:** | - |
| Hazard label: | 2, see SP63 |
| Special Provisions: | 63, 190, 277, 327, 344, 959 |
| Limited quantity: | See SP277 |
| EmS: | F-D, S-U |

**Other applicable information (marine transport)**

E0

**Air transport (ICAO-TI/IATA-DGR)**

| | |
|---|---|
| **14.1. UN number or ID number:** | UN1950 |
| **14.2. UN proper shipping name:** | AEROSOLS, flammable |
| **14.3. Transport hazard class(es):** | 2.1 |
| Hazard label: | 2.1 |



| | |
|---|---|
| Special Provisions: | A145 A167 |
| Limited quantity Passenger: | 30 kg G |
| IATA-packing instructions - Passenger: | 203 |
| IATA-max. quantity - Passenger: | 75 kg |
| IATA-packing instructions - Cargo: | 203 |
| IATA-max. quantity - Cargo: | 150 kg |

**Other applicable information (air transport)**

E0

: Y203

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

**14.6. Special precautions for user**

No data available

**14.7. Maritime transport in bulk according to IMO instruments**

No data available

## SECTION 15: Regulatory information

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 28, Entry 40

Directive 2004/42/EC on VOC in paints and varnishes: 50 % (275 g/l)

**National regulatory information**

Water hazard class (D): - - non-hazardous to water

## SECTION 16: Other information

**Abbreviations and acronyms**

Flam. Gas: Flammable gases

**Relevant H and EUH statements (number and full text)**

| | |
|---|---|
| H220 | Extremely flammable gas. |
| H222 | Extremely flammable aerosol. |
| H229 | Pressurised container: May burst if heated. |

*(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*