

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Freezer Top

Print date: 11.01.2017

Product code: 130

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Freezer Top

1.2. Relevant identified uses of the substance or mixture and uses advised against**1.3. Details of the supplier of the safety data sheet**

Company name:	ITW LLC & Co. KG	
Street:	Mühlackerstrasse 149	
Place:	D-75417 Mühlacker	
Telephone:	++49(0)7041-96340	Telefax: ++49(0)7041-963429
e-mail:	info@itwcp.de	
Internet:	www.itwcp.de	
Responsible Department:	Produktsicherheit	

1.4. Emergency telephone

++49(0)7041-96340

number:

Mo. - Do. 8.00 - 16.30 Fr. 8.00 - 14.00

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**

Hazard categories:

Aerosol: Aerosol 3

Hazard Statements:

Pressurised container: May burst if heated.

2.2. Label elements**Regulation (EC) No. 1272/2008****Signal word:** Warning**Hazard statements**

H229 Pressurised container: May burst if heated.

Precautionary statements

P501 Dispose of contents/container to Dispose of this material and its container to hazardous or special waste collection point. .

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

P251 Do not pierce or burn, even after use.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P102 Keep out of reach of children.

P101 If medical advice is needed, have product container or label at hand.

Special labelling of certain mixtures

6 % by mass of the contents are flammable.

SECTION 3: Composition/information on ingredients**3.2. Mixtures**

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Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
811-97-2	1,1,1,2-Tetrafluoroethane			50-100 %
	Liquefied gas; H280			
115-10-6	dimethyl ether			1-10%
	204-065-8	603-019-00-8		
	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****General information**

No special measures are necessary.

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. If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

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**Co-ordinate fire-fighting measures to the fire surroundings. Extinguishing powder. Carbon dioxide (CO₂). Foam.**Unsuitable extinguishing media**

Water. Water with tenside additive.

5.2. Special hazards arising from the substance or mixture

Heating causes rise in pressure with risk of bursting. In case of fire and/or explosion do not breathe fumes.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus. Co-ordinate fire-fighting measures to the fire surroundings.

Additional information

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

SECTION 6: Accidental release measures

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6.1. Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Wear personal protection equipment. Remove all sources of ignition.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Ventilate affected area. Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Provide adequate ventilation as well as local exhaustion at critical locations. Avoid contact with skin and eyes.

Advice on protection against fire and explosion

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

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed. Observe in addition any national regulations!

Further information on storage conditions

none

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
811-97-2	1,1,1,2-Tetrafluoroethane (HFC 134a)	1000	4240		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL
115-10-6	Dimethyl ether	400	766		TWA (8 h)	WEL
		500	958		STEL (15 min)	WEL

8.2. Exposure controls



Protective and hygiene measures

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

Eye/face protection

Tightly sealed safety glasses.

Hand protection

DIN EN 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:

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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

Test method**Changes in the physical state**

Initial boiling point and boiling range: 0 °C
Flash point: No flash point according to standard method.
Lower explosion limits: not explosive.
Upper explosion limits: not explosive.
Ignition temperature: Non-flammable.
Density: 1,226 g/cm³

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

No data available

10.5. Incompatible materials

No data available

10.6. Hazardous decomposition products

No data available

Further information

No data available

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Additional information on tests**

The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

SECTION 12: Ecological information**12.3. Bioaccumulative potential****Partition coefficient n-octanol/water**

CAS No	Chemical name	Log Pow
115-10-6	dimethyl ether	0,1

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Further information

Do not allow to enter into surface water or drains. The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Advice on disposal**

Dispose of waste according to applicable legislation.

Waste disposal number of waste from 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
Classified as hazardous waste.

Waste disposal number of 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

Dispose of waste according to applicable legislation.

SECTION 14: Transport information**Land transport (ADR/RID)**

14.1. UN number: UN1950
14.2. UN proper shipping name: AEROSOLS
14.3. Transport hazard class(es): 2
Hazard label: 2.2



Classification code: 5A
Special Provisions: 190 327 625
Limited quantity: 1 L
Transport category: 3
Tunnel restriction code: E

Other applicable information (land transport)

E0

Inland waterways transport (ADN)

14.1. UN number: UN1950
14.2. UN proper shipping name: AEROSOLS
14.3. Transport hazard class(es): 2
Hazard label: 2.2



Classification code: 5A
Special Provisions: 190 327 344 625
Limited quantity: 1 L

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Other applicable information (inland waterways transport)

E0

Marine transport (IMDG)

14.1. UN 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)

14.1. UN number: UN1950
14.2. UN proper shipping name: AEROSOLS
14.3. Transport hazard class(es): 2.2
Hazard label: 2.2



Special Provisions: A98 A145 A167
Limited quantity Passenger: 30 kg G
IATA-packing instructions - Passenger: 204
IATA-max. quantity - Passenger: 75 kg
IATA-packing instructions - Cargo: 204
IATA-max. quantity - Cargo: 150 kg

Other applicable information (air transport)

E0

: Y204

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulatory information**

Water contaminating class (D): 1 - slightly water contaminating

SECTION 16: Other information**Relevant H and EUH statements (number and full text)**

H220 Extremely flammable gas.
H229 Pressurised container: May burst if heated.
H280 Contains gas under pressure; may explode if heated.



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