



# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## Grease Spray

Print date: 01.06.2015

Product code: VB\_89

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

#### 1.1. Product identifier

Grease Spray

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

##### Uses advised against

Reserved for industrial and professional use.

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

Company name:	ITW LLC & Co. KG	
Street:	Mühlackerstrasse 147	
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 number:** ++49(0)7041-96340  
Mo. - Do. 8.00 - 16.30 Fr. 8.00 - 14.00

### SECTION 2: Hazards identification

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

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

Indications of danger: F+ - Extremely flammable, N - Dangerous for the environment

R phrases:

Extremely flammable.

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Hazard Statements:

Extremely flammable aerosol.

Pressurised container: May burst if heated.

Toxic to aquatic life with long lasting effects.

#### 2.2. Label elements

Signal word:	Danger
Pictograms:	GHS02-GHS09



##### Hazard statements

H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.
H411	Toxic to aquatic life with long lasting effects.

##### Precautionary statements

P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P273	Avoid release to the environment.
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.

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

EC No	Chemical name	Quantity
CAS No	Classification according to Directive 67/548/EEC	
Index No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
REACH No		
203-448-7	butane	25-50 %
106-97-8	F+ - Extremely flammable R12	
601-004-00-0	Flam. Gas 1; H220	
200-827-9	propane	15-30 %
74-98-6	F+ - Extremely flammable R12	
601-003-00-5	Flam. Gas 1; H220	
232-455-8	White Spirit	10-20%
8042-47-5		
	Asp. Tox. 1; H304	
01-2119487078-27		
203-624-3	methylcyclohexane	5-10 %
108-87-2	F - Highly flammable, Xn - Harmful, Xi - Irritant, N - Dangerous for the environment R11-65-38-67-51-53	
601-018-00-7	Flam. Liq. 2, Asp. Tox. 1, Skin Irrit. 2, STOT SE 3, Aquatic Chronic 2; H225 H304 H315 H336 H411	
205-563-8	heptane; n-heptane	5-10 %
142-82-5	F - Highly flammable, Xn - Harmful, Xi - Irritant, N - Dangerous for the environment R11-65-38-67-50-53	
601-008-00-2	Flam. Liq. 2, Asp. Tox. 1, Skin Irrit. 2, STOT SE 3, Aquatic Acute 1 (M-Factor = 1), Aquatic Chronic 1 (M-Factor = 1); H225 H304 H315 H336 H400 H410	
203-523-4	hexane (containing < 5 % n-hexane (203-777-6)); 2-methylpentane	1-5%
107-83-5	F - Highly flammable, Xn - Harmful, Xi - Irritant, N - Dangerous for the environment R11-65-38-67-51-53	
601-007-00-7	Flam. Liq. 2, Asp. Tox. 1, Skin Irrit. 2, STOT SE 3, Aquatic Chronic 2; H225 H304 H315 H336 H411	
206-016-6	cyclopentane	<1%
287-92-3	F - Highly flammable R11-52-53	
601-030-00-2	Flam. Liq. 2, Aquatic Chronic 3; H225 H412	
203-692-4	pentane	<1%
109-66-0	F+ - Extremely flammable, Xn - Harmful, N - Dangerous for the environment R12-65-66-67-51-53	
601-006-00-1	Flam. Liq. 2, Asp. Tox. 1, STOT SE 3, Aquatic Chronic 2; H225 H304 H336 H411 EUH066	

Full text of R-, H- and EUH-phrases: see section 16.

**SECTION 4: First aid measures****4.1. Description of first aid measures**



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**After inhalation**

Provide fresh air. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

**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<sub>2</sub>). 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**

Wear a self-contained breathing apparatus and chemical protective clothing.

**Additional information**

Use water spray jet to protect personnel and to cool endangered containers. Suppress gases/vapours/mists with water spray jet. Contaminated fire-fighting water must be collected separately. Do not allow to enter into surface water or drains.

## SECTION 6: Accidental release measures

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

Remove all sources of ignition. Provide adequate ventilation. Wear a self-contained breathing apparatus and chemical protective clothing.

**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**

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.

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

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#### 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.

#### Advice on storage compatibility

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

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Exposure limits (EH40)

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
106-97-8	Butane	600	1450		TWA (8 h)	WEL
		750	1810		STEL (15 min)	WEL
109-66-0	Pentane	600	1800		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL
142-82-5	n-Heptane	500	2085		TWA (8 h)	WEL
		-	-		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.

#### Protective and hygiene measures

Remove contaminated, saturated clothing immediately. Protect skin by using skin protective cream. After work, wash hands and face. 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:

#### 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:	whitish
Odour:	characteristic

#### Test method

#### Changes in the physical state

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Flash point:

&lt;0 °C

Density:

0,82 g/cm<sup>3</sup>**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 toxicological effects****Acute toxicity**

CAS No	Chemical name	Exposure routes	Method	Dose	Species	Source
106-97-8	butane	inhalative (4 h) gas	LC50	273000 ppm	Rat	GESTIS
108-87-2	methylcyclohexane	oral	LD50	> 3200 mg/kg	Rat	GESTIS
109-66-0	pentane	inhalative (4 h) vapour	LC50	364 mg/l	Rat	GESTIS

**SECTION 12: Ecological information****12.1. Toxicity**

CAS No	Chemical name	Aquatic toxicity	Method	Dose	[h]   [d]	Species	Source
108-87-2	methylcyclohexane	Acute crustacea toxicity	EC50	1,47 mg/l	48 h	Daphnia magna	ECOTOX
142-82-5	heptane; n-heptane	Acute fish toxicity	LC50	375 mg/l	96 h		GESTIS
109-66-0	pentane	Acute crustacea toxicity	EC50	9,74 mg/l	48 h	Daphnia magna	IUCLID

**12.3. Bioaccumulative potential**

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**Partition coefficient n-octanol/water**

CAS No	Chemical name	Log Pow
106-97-8	butane	2,89
74-98-6	propane	2,36
108-87-2	methylcyclohexane	3,88
142-82-5	heptane; n-heptane	4,66
107-83-5	hexane (containing < 5 % n-hexane (203-777-6)); 2-methylpentane	3,21
109-66-0	pentane	3,39

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****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 dangerous 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**

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:** 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:** UN1950

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

AEROSOLS

**Marine transport (IMDG)**

**14.1. UN number:** UN1950  
**14.2. UN proper shipping name:** AEROSOLS



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**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:** UN 1950  
**14.2. UN proper shipping name:** AEROSOLS, flammable  
**14.3. Transport hazard class(es):** 2.1  
Hazard label: 2.1



Special Provisions: A145 A167 A802  
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)**  
: Y203  
E0  
0000000005: Forbidden

**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): 2 - water contaminating

**SECTION 16: Other information****Relevant R-phrases (Number and full text)**

- 11 Highly flammable.
- 12 Extremely flammable.
- 38 Irritating to skin.
- 50 Very toxic to aquatic organisms.
- 51 Toxic to aquatic organisms.
- 52 Harmful to aquatic organisms.
- 53 May cause long-term adverse effects in the aquatic environment.
- 65 Harmful: may cause lung damage if swallowed.
- 66 Repeated exposure may cause skin dryness or cracking.

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67 Vapours may cause drowsiness and dizziness.

**Relevant H- and EUH-phrases (Number and full text)**

H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H225	Highly flammable liquid and vapour.
H229	Pressurised container: May burst if heated.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.

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