

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 26.04.2023

Version number 2201 (replaces version 2101)

Revision: 26.04.2023

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

##### 1.1 Product identifier

Trade name: **Multispray**

Article number: 5140-1211

UFI Code: DH05-D7N9-NGCK-DTMJ

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

Application of the substance / the mixture: Lubricant

No further relevant information available.

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

Manufacturer/Supplier: Manufacturer  
 Graichen Produktions- und Vertiebs-GmbH  
 Darmstädter Str. 127 - 129  
 D-64625 Bensheim  
 Tel.: +49(0)6251/73103  
 Fax: +49(0)6251/77901  
 e-mail: ehs@graichen-bensheim.de  
 homepage: http://www.graichen.net

Further information obtainable from: Product Safety Department  
 D. Sowietzki

##### 1.4 Emergency telephone number:

Poison Information Centre Mainz - 24h -  
 Tel.: +49 (0) 6131 19240  
 Graichen: During business hours :+49(0)6251 7707880  
 Graichen: Outside business hours: +49(0)172 7478476

#### 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.  
 STOT SE 3 H336 May cause drowsiness or dizziness.  
 STOT RE 1 H372 Causes damage to the liver and the lymph nodes through prolonged or repeated exposure.  
 Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

##### 2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

Hazard pictograms

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



GHS02 GHS07 GHS08

Signal word

Danger

Hazard-determining components of labelling:

Hazard statements

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.  
 H336 May cause drowsiness or dizziness.  
 H372 Causes damage to the liver and the lymph nodes through prolonged or repeated exposure.

Precautionary statements

P102 Keep out of reach of children.  
 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.  
 P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
 P270 Do not eat, drink or smoke when using this product.  
 P271 Use only outdoors or in a well-ventilated area.  
 P314 Get medical advice/attention if you feel unwell.  
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
 P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.  
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional information:

Buildup of explosive mixtures possible without sufficient ventilation.

##### 2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

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. vPvB: Not applicable.

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### SECTION 3: Composition/information on ingredients

#### . 3.2 Mixtures

. Description: Active substance with propellant

. Dangerous components:

CAS: 106-97-8 EINECS: 203-448-7	butane (containing $\leq 0,1$ % butadiene (106-99-0)) ⚠ Flam. Gas 1A, H220; ⚠ Press. Gas (Comp.), H280	50 – 100%
CAS: 74-98-6 EINECS: 200-827-9	propane ⚠ Flam. Gas 1A, H220; ⚠ Press. Gas (Comp.), H280	10 – 25%
	White mineral oil (low viscosity) ⚠ STOT RE 1, H372; Asp. Tox. 1, H304	10 – 25%
CAS: 75-28-5 EINECS: 200-857-2	isobutane (containing $\leq 0,1$ % butadiene (106-99-0)) ⚠ Flam. Gas 1A, H220; ⚠ Press. Gas (Comp.), H280	< 2.5%

. Additional information: 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: Wash off with soap and water and rinse well.
- . After eye contact: Rinse opened eye for several minutes under running water.
- . After swallowing: Seek immediate medical advice.

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

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: Full jet water

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

No further relevant information available.

#### . 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

Keep away from ignition sources.

#### . 6.2 Environmental precautions:

Do not allow product to reach sewage system or any water course.  
Inform respective authorities in case of seepage into water course or sewage system.

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

Ensure adequate ventilation.

#### . 6.4 Reference to other sections

Do not flush with water or aqueous cleansing agents  
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

. Information about fire - and explosion protection:

Open and handle receptacle with care.

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Pressurised 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

. Requirements to be met by storerooms and receptacles:

Store in a cool location.

Observe official regulations on storing packagings with pressurised containers.

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- . Information about storage in one common storage facility: Store away from foodstuffs.
- . Further information about storage conditions: Keep container tightly sealed. 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****8.1 Control parameters**

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

**CAS: 106-97-8 butane (containing ≤ 0,1 % butadiene (106-99-0))**

WEL	Short-term value: 1810 mg/m <sup>3</sup> , 750 ppm Long-term value: 1450 mg/m <sup>3</sup> , 600 ppm Carc (if more than 0.1% of buta-1.3-diene)
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- . Additional information: The lists valid during the making were used as basis.

**8.2 Exposure controls**

- . Appropriate engineering controls No further data; see item 7.
- . Individual protection measures, such as personal protective equipment
- . General protective and hygienic measures: Wash hands before breaks and at the end of work.
- . Respiratory protection: Not required.
- . Hand protection: The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- . Material of gloves: The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- . 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/face protection: Tightly sealed goggles

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

- . General Information
- . Colour: Colourless
- . Odour: Odourless
- . Odour threshold: Not determined.
- . Boiling point or initial boiling point and boiling range: -44.5 °C
- . Flammability: Not applicable.
- . Lower and upper explosion limit
- . Lower: 1.5 Vol % (CAS: 106-97-8 butane (containing ≤ 0,1 % butadiene (106-99-0)))
- . Upper: 10.9 Vol % (CAS: 74-98-6 propane)
- . Flash point: -80 °C (White mineral oil (low viscosity))
- . Ignition temperature: 365 °C
- . Decomposition temperature: Not determined.
- . pH: Not determined.
- . Viscosity:
- . Kinematic viscosity: Not determined.
- . Dynamic: Not determined.
- . Solubility
- . water: Not miscible or difficult to mix.
- . Partition coefficient n-octanol/water (log value): Not determined.
- . Vapour pressure at 20 °C: 8,300 hPa (CAS: 74-98-6 propane)
- . Density and/or relative density
- . Density at 20 °C: 0.6855 g/cm<sup>3</sup>
- . Relative density: Not determined.
- . Vapour density: Not determined.

**9.2 Other information**

- . Appearance:
- . Form: Aerosol

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. Important information on protection of health and environment, and on safety.	
. Auto-ignition temperature:	Product is not selfigniting.
. Explosive properties:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
. Solvent content:	
. Organic solvents:	77.2 %
. VOC (EC)	78.25 %
	539.7 g/l
. VOC (EU) (%)	78.7 %
. Solids content:	21.3 %
. Change in condition	
. Evaporation rate	Not applicable.

## . Information with regard to physical hazard classes

. Explosives	Void
. Flammable gases	Void
. Aerosols	Extremely flammable aerosol. Pressurised container: May burst if heated.
. Oxidising gases	Void
. Gases under pressure	Void
. Flammable liquids	Void
. Flammable solids	Void
. Self-reactive substances and mixtures	Void
. Pyrophoric liquids	Void
. Pyrophoric solids	Void
. Self-heating substances and mixtures	Void
. Substances and mixtures, which emit flammable gases in contact with water	Void
. Oxidising liquids	Void
. Oxidising solids	Void
. Organic peroxides	Void
. Corrosive to metals	Void
. Desensitised explosives	Void

### SECTION 10: Stability and reactivity

. 10.1 Reactivity No further relevant information available.

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**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:**

Hazardous thermal decomposition products may include: Formaldehyde, Carbon dioxide, Carbon monoxide, Methanol

**SECTION 11: Toxicological information****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

Acute toxicity

Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Crl;KBL (NZW) Intracutaneous reactivity PII: 1.0 Investigation by a third party organization

Respiratory or skin sensitisation

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

LLNA Stimulation index &lt; 3, Investigation by a third party organization

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

May cause drowsiness or dizziness.

STOT-repeated exposure

Causes damage to the liver and the lymph nodes through prolonged or repeated exposure.

Aspiration hazard

May be fatal if swallowed and enters airways.

**11.2 Information on other hazards**

Endocrine disrupting properties

None of the ingredients is listed.

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

Aquatic toxicity:

**CAS: 106-97-8 butane (containing ≤ 0,1 % butadiene (106-99-0))**

EC50 (96h) | 7.71 mg/l (Algae)

LC50 (96h) | 27.98 mg/l (Fisch)

**CAS: 74-98-6 propane**

EC50 (96h) | 7.71 mg/l (Algae)

LC50 (96h) | 27.98 mg/l (Fisch)

**CAS: 75-28-5 isobutane (containing ≤ 0,1 % butadiene (106-99-0))**

EC50 (96h) | 7.71 mg/l (Algae)

LC50 (96h) | 27.98 mg/l (Fisch)

**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.

**12.5 Results of PBT and vPvB assessment**

PBT:

Not applicable.

vPvB:

Not applicable.

**12.6 Endocrine disrupting properties**

The product does not contain substances with endocrine disrupting properties.

**12.7 Other adverse effects**

Additional ecological information:

General notes:

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water  
Do not allow product to reach ground water, water course or sewage system.**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

HP3 | Flammable

HP5 | Specific Target Organ Toxicity (STOT)/Aspiration Toxicity

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- . Uncleaned packaging:  
 . Recommendation: Disposal must be made according to official regulations.

### SECTION 14: Transport information

. <b>14.1 UN number or ID number</b> . ADR, IMDG, IATA	UN1950
. <b>14.2 UN proper shipping name</b> . ADR . IMDG . IATA	1950 AEROSOLS AEROSOLS AEROSOLS, flammable
. <b>14.3 Transport hazard class(es)</b> . ADR	
	
. Class . Label	2 5F Gases. 2.1
. IMDG, IATA	
	
. Class . Label	2.1 Gases. 2.1
. <b>14.4 Packing group</b> . ADR, IMDG, IATA	Void
. <b>14.5 Environmental hazards:</b> . Marine pollutant:	No
. <b>14.6 Special precautions for user</b> . Hazard identification number (Kemler code): . EMS Number: . Stowage Code  . Segregation Code	Warning: Gases. - F-D,S-U 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. 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 Maritime transport in bulk according to IMO instruments</b>	Not applicable.
. Transport/Additional information:	
. ADR . Limited quantities (LQ) . Excepted quantities (EQ)	1L Code: E0 Not permitted as Excepted Quantity
. Transport category . Tunnel restriction code	2 D
. IMDG . Limited quantities (LQ) . Excepted quantities (EQ)	1L Code: E0 Not permitted as Excepted Quantity
. UN "Model Regulation":	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.

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- |   |  |
|---|--|
| . 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  |
| . <b>15.2 Chemical safety assessment:</b>                                     | 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.

- |                               |  |
|-------------------------------|--|
| . Department issuing SDS:     | Environment protection department.   |
| . Abbreviations and acronyms: | ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)<br>IMDG: International Maritime Code for Dangerous Goods<br>IATA: International Air Transport Association<br>GHS: Globally Harmonised System of Classification and Labelling of Chemicals<br>EINECS: European Inventory of Existing Commercial Chemical Substances<br>ELINCS: European List of Notified Chemical Substances<br>CAS: Chemical Abstracts Service (division of the American Chemical Society)<br>VOC: Volatile Organic Compounds (USA, EU)<br>PBT: Persistent, Bioaccumulative and Toxic<br>vPvB: very Persistent and very Bioaccumulative<br>Flam. Gas 1A: Flammable gases – Category 1A<br>Aerosol 1: Aerosols – Category 1<br>Press. Gas (Comp.): Gases under pressure – Compressed gas<br>STOT SE 3: Specific target organ toxicity (single exposure) – Category 3<br>STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1<br>Asp. Tox. 1: Aspiration hazard – Category 1 |

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