

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 03.08.2020

Version number 1.8

Revision: 03.08.2020

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

**1.1 Product identifier**

**Trade name:** Multiöl DIY 6 500ml

**Article number:** 105007, 105011

**UFI:** K832-U0C1-200U-J684

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

**Sector of Use SU21** Consumer uses: Private households / general public / consumers

**Application of the substance / the mixture**

Screw loosening agent

Lubricating oil

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

**Manufacturer/Supplier:**

Stanger Produktions- und Vertriebs GmbH & Co KG

Ferdinand-Porsche-Straße 2

D-32339 Espelkamp

Telefon: +49 5743-9307-0

**Further information obtainable from:**

Abteilung Produktsicherheit

info@stanger.de

**1.4 Emergency telephone number:**

+49-5743-9307-0

(Montag bis Freitag, 7:00 - 17:00 Uhr)

**SECTION 2: Hazards identification**

**2.1 Classification of the substance or mixture**

**Classification according to Regulation (EC) No 1272/2008**



GHS02 flame

Aerosol 1

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



GHS07

STOT SE 3

H336

May cause drowsiness or dizziness.

Asp. Tox. 1

H304

May be fatal if swallowed and enters airways.

Aquatic Chronic 3 H412

Harmful to aquatic life with long lasting effects.

**2.2 Label elements**

**Labelling according to Regulation (EC) No 1272/2008**

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

GHS label elements

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

**Hazard pictograms**



GHS02

GHS07

**Signal word** Danger

**Hazard-determining components of labelling:**

Naphtha (petroleum), hydrotreated heavy

Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics

White mineral oil, petroleum

(Contd. on page 2)

# Safety data sheet

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

Printing date 03.08.2020

Version number 1.8

Revision: 03.08.2020

**Trade name: Multiöl DIY 6 500ml**

(Contd. of page 1)

**Hazard statements**

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

H336 May cause drowsiness or dizziness.

H412 Harmful to aquatic life with long lasting effects.

**Precautionary statements**

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

P102 Keep out of reach of children.

P103 Read label before use.

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.

P405 Store locked up.

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

### SECTION 3: Composition/information on ingredients

**3.2 Chemical characterisation: Mixtures****Description:**

Mixture of substances listed below with nonhazardous additions.

Active substance with propellant

| <b>Dangerous components:</b>                                      |  |               |
|---|--|---------------|
| CAS: 64742-48-9<br>EC number: 919-857-5                           | Naphtha (petroleum), hydrotreated heavy<br>Flam. Liq. 3, H226; Asp. Tox. 1, H304; STOT SE 3, H336  | 25-75%        |
| CAS: 64742-49-0<br>EINECS: 265-151-9<br>Reg.nr.: 01-2119473851-33 | Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics<br>Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H336                     | ≥2.5-<15%     |
| CAS: 8042-47-5<br>EINECS: 232-455-8<br>Reg.nr.: 01-2119487078-27  | White mineral oil, petroleum<br>Asp. Tox. 1, H304  | <15%          |
| CAS: 74-98-6<br>EINECS: 200-827-9                                 | propane<br>Flam. Gas 1, H220; Press. Gas (Comp.), H280   | <15%          |
| CAS: 75-28-5<br>EINECS: 200-857-2                                 | isobutane<br>Flam. Gas 1, H220; Press. Gas (Comp.), H280   | <15%          |
| CAS: 142-62-1<br>EINECS: 205-550-7                                | hexanoic acid<br>Acute Tox. 3, H311; Skin Corr. 1B, H314   | <1%           |
| EINECS: 203-749-3   | Oleylsarkosin<br>(Z)-N-methyl-N-(1-oxo-9-octadecenyl)glycine<br>Eye Dam. 1, H318; Aquatic Acute 1, H400; Acute Tox. 4, H332; Skin Irrit. 2, H315           | <0.25%        |
| EINECS: 263-171-2   | 1H-imidazole-1-ethanol, 4,5-dihydro, 2-nortall-oil alkyl derivs<br>Skin Corr. 1C, H314; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Acute Tox. 4, H302 | ≥0.025-<0.25% |

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

GB

(Contd. on page 3)

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 03.08.2020

Version number 1.8

Revision: 03.08.2020

Trade name: Multiöl DIY 6 500ml

(Contd. of page 2)

#### **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:** Immediately wash with water and soap and rinse thoroughly.

**After eye contact:** Rinse opened eye for several minutes under running water.

**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.

**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**

Wear protective equipment. Keep unprotected persons away.

##### **6.2 Environmental precautions:**

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

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

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

No special measures required.

##### **6.4 Reference to other sections**

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** Ensure good ventilation/exhaustion at the workplace.

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

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

Keep ignition sources away - Do not smoke.

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.

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

**Storage:**

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

Observe official regulations on storing packagings with pressurised containers.

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

**Further information about storage conditions:** Keep container tightly sealed.

**Storage class:** 2 B

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

GB

(Contd. on page 4)

# Safety data sheet

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

Printing date 03.08.2020

Version number 1.8

Revision: 03.08.2020

Trade name: Multiöl DIY 6 500ml

(Contd. of page 3)

### 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:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

**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.

Wash hands before breaks and at the end of work.

**Respiratory protection:** Not required.

**Protection of hands:**

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.

**For the permanent contact in work areas without heightened risk of injury (e.g. Laboratory) gloves made of the following material are suitable:**

Butyl rubber, BR

Nitrile rubber, NBR

**For the permanent contact gloves made of the following materials are suitable:** Butyl rubber, BR

**For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:**

Nitrile rubber, NBR

Chloroprene rubber, CR

**Eye protection:** Not required.

### SECTION 9: Physical and chemical properties

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

**General Information**

**Appearance:**

|                |                                    |
|----------------|------------------------------------|
| <b>Form:</b>   | Aerosol                            |
| <b>Colour:</b> | According to product specification |
| <b>Odour:</b>  | Mild                               |

**Change in condition**

|   |                                      |
|---|--------------------------------------|
| <b>Initial boiling point and boiling range:</b> | <0 °C<br>Not applicable, as aerosol. |
|---|--------------------------------------|

|                     |        |
|---------------------|--------|
| <b>Flash point:</b> | -97 °C |
|---------------------|--------|

|                              |        |
|------------------------------|--------|
| <b>Ignition temperature:</b> | 240 °C |
|------------------------------|--------|

(Contd. on page 5)

GB

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 03.08.2020

Version number 1.8

Revision: 03.08.2020

**Trade name: Multiöl DIY 6 500ml**

(Contd. of page 4)

|   |   |
|---|---|
| <b>Explosive properties:</b>  | Product is not explosive. However, formation of explosive air/vapour mixtures are possible. |
| <b>Explosion limits:</b>  |   |
| <b>Lower:</b>   | 0.6 Vol %   |
| <b>Upper:</b>   | 10.9 Vol %  |
| <b>Vapour pressure at 20 °C:</b>  | 8 hPa   |
| <b>Density at 20 °C:</b>  | 0.7 g/cm <sup>3</sup>   |
| <b>Solubility in / Miscibility with water:</b>  | Not miscible or difficult to mix.   |
| <b>Organic solvents:</b>  | 70.1 %  |
| <b>VOC (EC)</b>   | 562.1 g/l   |
| <b>Verordnung über die Lenkungsabgabe auf flüchtigen organischen Verbindungen (Stand am 1. Januar 2009)</b> |   |
| <b>VOCV (CH)</b>  | 83.31 %   |
| <b>9.2 Other information</b>  | No further relevant information available.  |

### SECTION 10: Stability and reactivity

**10.1 Reactivity** No further relevant information available.

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

**LD/LC50 values relevant for classification:**

**64742-48-9 Naphtha (petroleum), hydrotreated heavy**

Oral LD50 8,000 mg/kg (rat)

Dermal LD50 4,000 mg/kg (rat)

Inhalative LC50/4 h >18.5 mg/l (rat)

**64742-49-0 Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics**

Oral LD50 >5,000 mg/kg (rat)

Dermal LD50 >2,000 mg/kg (rabbit)

Inhalative LC50/4 h >20 mg/l (rat)

**8042-47-5 White mineral oil, petroleum**

Oral LD50 >5,000 mg/kg (rat)

Dermal LD50 >5,000 mg/kg (rabbit)

Inhalative LC50/4 h >5,000 mg/l (rat)

**Primary irritant effect:**

**Skin corrosion/irritation** Based on available data, the classification criteria are not met.

**Serious eye damage/irritation** Based on available data, the classification criteria are not met.

**Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.

(Contd. on page 6)

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 03.08.2020

Version number 1.8

Revision: 03.08.2020

Trade name: Multiöl DIY 6 500ml

(Contd. of page 5)

**CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)****Germ cell mutagenicity** Based on available data, the classification criteria are not met.**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** Based on available data, the classification criteria are not met.**Aspiration hazard**

May be fatal if swallowed and enters airways.

**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.**Ecotoxicological effects:****Remark:** Harmful to fish**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.

Danger to drinking water if even small quantities leak into the ground.

Harmful to aquatic organisms

**12.5 Results of PBT and vPvB assessment** Not applicable.**12.6 Other adverse effects** No further relevant information available.**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Recommendation**

Smaller quantities can be disposed of with household waste.

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

**Uncleaned packaging:****Recommendation:** Disposal must be made according to official regulations.**SECTION 14: Transport information****14.1 UN-Number**

ADR, IMDG, IATA

UN1950

**14.2 UN proper shipping name**

ADR

UN1950 AEROSOLS

IMDG

AEROSOLS

IATA

AEROSOLS, flammable

**14.3 Transport hazard class(es)**

ADR



Class

2 5F Gases.

(Contd. on page 7)



**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 03.08.2020

Version number 1.8

Revision: 03.08.2020

Trade name: Multiöl DIY 6 500ml

(Contd. of page 6)

|              |     |
|--------------|-----|
| <b>Label</b> | 2.1 |
|--------------|-----|

|                   |  |
|-------------------|--|
| <b>IMDG, IATA</b> |  |
|-------------------|--|



|              |     |
|--------------|-----|
| <b>Class</b> | 2.1 |
|--------------|-----|

|              |     |
|--------------|-----|
| <b>Label</b> | 2.1 |
|--------------|-----|

|   |      |
|---|------|
| <b>14.4 Packing group<br/>ADR, IMDG, IATA</b> | Void |
|---|------|

|                                    |                 |
|------------------------------------|-----------------|
| <b>14.5 Environmental hazards:</b> | Not applicable. |
|------------------------------------|-----------------|

|  |  |
|--|--|
| <b>14.6 Special precautions for user</b>           | Warning: Gases.  |
| <b>Hazard identification number (Kemler code):</b> | -  |
| <b>EMS Number:</b>                                 | F-D,S-U  |
| <b>Stowage Code</b>                                | SW1 Protected from sources of heat.<br>SW22 For AEROSOLS with a maximum capacity of 1 litre:<br>Category A. For AEROSOLS with a capacity above 1 litre:<br>Category B. For WASTE AEROSOLS: Category C, Clear<br>of living quarters.  |
| <b>Segregation Code</b>                            | SG69 For AEROSOLS with a maximum capacity of 1 litre:<br>Segregation as for class 9. Stow "separated from" class 1<br>except for division 1.4.<br>For AEROSOLS with a capacity above 1 litre:<br>Segregation as for the appropriate subdivision of class 2.<br>For WASTE AEROSOLS:<br>Segregation as for the appropriate subdivision of class 2. |

|  |                 |
|--|-----------------|
| <b>14.7 Transport in bulk according to Annex II of<br/>Marpol and the IBC Code</b> | Not applicable. |
|--|-----------------|

|  |  |
|--|--|
| <b>Transport/Additional information:</b> |  |
|--|--|

|                                 |  |
|---------------------------------|--|
| <b>ADR</b>                      |  |
| <b>Limited quantities (LQ)</b>  | 1L   |
| <b>Excepted quantities (EQ)</b> | Code: E0<br>Not permitted as Excepted Quantity |
| <b>Transport category</b>       | 2  |
| <b>Tunnel restriction code</b>  | D  |

|                                 |  |
|---------------------------------|--|
| <b>IMDG</b>                     |  |
| <b>Limited quantities (LQ)</b>  | 1L   |
| <b>Excepted quantities (EQ)</b> | Code: E0<br>Not permitted as Excepted Quantity |

|                               |                       |
|-------------------------------|-----------------------|
| <b>UN "Model Regulation":</b> | 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.

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

REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

(Contd. on page 8)

GB

# Safety data sheet

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

Printing date 03.08.2020

Version number 1.8

Revision: 03.08.2020

**Trade name: Multiöl DIY 6 500ml**

(Contd. of page 7)

**DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

**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.  
 H226 Flammable liquid and vapour.  
 H280 Contains gas under pressure; may explode if heated.  
 H302 Harmful if swallowed.  
 H304 May be fatal if swallowed and enters airways.  
 H311 Toxic in contact with skin.  
 H314 Causes severe skin burns and eye damage.  
 H315 Causes skin irritation.  
 H318 Causes serious eye damage.  
 H332 Harmful if inhaled.  
 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.

**Department issuing SDS:** Abteilung Produktsicherheit

**Contact:** Hr. Dr. Pohle

#### Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
 IMDG: International Maritime Code for Dangerous Goods  
 IATA: International Air Transport Association  
 GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
 EINECS: European Inventory of Existing Commercial Chemical Substances  
 ELINCS: European List of Notified Chemical Substances  
 CAS: Chemical Abstracts Service (division of the American Chemical Society)  
 VOCV: Lenkungsabgabe auf flüchtigen organischen Verbindungen, Schweiz (Swiss Ordinance on volatile organic compounds)  
 VOC: Volatile Organic Compounds (USA, EU)  
 LC50: Lethal concentration, 50 percent  
 LD50: Lethal dose, 50 percent  
 PBT: Persistent, Bioaccumulative and Toxic  
 vPvB: very Persistent and very Bioaccumulative  
 Flam. Gas 1: Flammable gases – Category 1  
 Aerosol 1: Aerosols – Category 1  
 Press. Gas (Comp.): Gases under pressure – Compressed gas  
 Flam. Liq. 2: Flammable liquids – Category 2  
 Flam. Liq. 3: Flammable liquids – Category 3  
 Acute Tox. 3: Acute toxicity - dermal – Category 3  
 Acute Tox. 4: Acute toxicity - inhalation – Category 4  
 Skin Corr. 1B: Skin corrosion/irritation – Category 1B  
 Skin Corr. 1C: Skin corrosion/irritation – Category 1C  
 Skin Irrit. 2: Skin corrosion/irritation – Category 2  
 Eye Dam. 1: Serious eye damage/eye irritation – Category 1  
 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3  
 Asp. Tox. 1: Aspiration hazard – Category 1  
 Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1  
 Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1  
 Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2  
 Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3  
 \* **Data compared to the previous version altered.**