

## Multifunktionsöl

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

#### 1.1 - Product identifier

Trade name/designation Multifunktionsöl  
Chemical name  
Product-type Mixture  
Product code BRG678051

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

Relevant identified uses - Consumer use of washing and cleaning products

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

Büroring eG  
Siemensstr. 7  
D-42781 Haan, GERMANY  
Telephone : +32 9 380 8248

#### 1.4 - Emergency telephone number

Germany: Intoxications Information Center; +49 761 19240  
Switzerland: Swiss Toxicological Information Centre; +41 44 251 51 51  
Austria: Intoxication information center; +43 1 406 43 43

### SECTION 2: Hazards identification

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

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

Asp. Tox. 1	Aspiration hazard - Category 1
Aerosol 2	Aerosol - Category 2

#### 2.2 - Label elements

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

Contains: Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics (CAS No.: ) | Distillates (petroleum), hydrotreated light paraffinic, Baseoil - unspecified, [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil with a viscosity of less than 100 SUS at 100 °F (19cSt at 40 °C). It contains a relatively large proportion of saturated hydrocarbons.] (CAS No.: 64742-55-8)

Signal word : Danger

Hazard pictograms



Hazard statements

H223	Flammable aerosol
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## Multifunktionsöl

H229	Pressurised container: May burst if heated
H304	May be fatal if swallowed and enters airways

### 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.
P410	Protect from sunlight.

### EUH-phrases

EUH066	Repeated exposure may cause skin dryness or cracking
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### Regulation (EC) No. 648/2004 (Detergents regulation)

#### 2.3 - Other hazards

PBT-substance. - This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

vPvB-substance. - This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

## SECTION 3: Composition / information on ingredients

### 3.1 - Substances

Not applicable

### 3.2 - Mixtures

Chemical name	No	%	Class(es)	Specific concentration limit
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics	CAS No. : Index No. : EC No. : 918-481-9	80	Asp. Tox. 1 - H304	Not applicable
Distillates (petroleum), hydrotreated light paraffinic, Baseoil - unspecified, [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil with a viscosity of less than 100 SUS at 100 °F (19cSt at 40 °C). It contains a relatively large proportion of saturated hydrocarbons.]	CAS No. : 64742-55-8 Index No. : 649-468-00-3 EC No. : 265-158-7	15		Not applicable
carbon dioxide	CAS No. : 124-38-9 Index No. : EC No. : 204-696-9	5	Press. Gas (Comp.) - H280	Not applicable

## SECTION 4: First aid measures

### 4.1 - Description of first aid measures

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## Multifunktionsöl

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<u>Following inhalation</u>	- Provide fresh air.
<u>Following skin contact</u>	- Wash immediately with: Water - When in doubt or if symptoms are observed, get medical advice.
<u>After eye contact</u>	- Rinse immediately carefully and thoroughly with eye-bath or water. - In case of eye irritation consult an ophthalmologist.
<u>After ingestion</u>	- Rinse mouth thoroughly with water. - Do NOT induce vomiting.

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

<u>Symptoms and effects - Following inhalation</u>	- No information available.
<u>Symptoms and effects - Following skin contact</u>	- No information available.
<u>Symptoms and effects - After eye contact</u>	- No information available.
<u>Symptoms and effects - After ingestion</u>	- No information available.

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

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## SECTION 5: Firefighting measures

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### 5.1 - Extinguishing media

<u>Suitable extinguishing media</u>	- ABC-powder - Carbon dioxide (CO <sub>2</sub> ) - Foam - Extinguishing powder
<u>Unsuitable extinguishing media</u>	- Full water jet

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

<u>Special hazards arising from the substance or mixture</u>	- No information available.
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### 5.3 - Advice for firefighters

- Co-ordinate fire-fighting measures to the fire surroundings.

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## SECTION 6: Accidental release measures

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

<u>For non-emergency personnel</u>	- Use personal protection equipment. - Provide adequate ventilation.
<u>For emergency responders</u>	- No information available.

### 6.2 - Environmental precautions

- No information available.

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

## Multifunktionsöl

Methods and material for containment - No information available.

Methods and material for cleaning up - Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).  
- Wash with plenty of water.

Inappropriate techniques - No information available.

### 6.4 - Reference to other sections

- Disposal: see section 13
- Personal protection equipment: see section 8

## SECTION 7: Handling and storage

### 7.1 - Precautions for safe handling

Recommendation - No special technical protective measures are necessary.

Advices on general occupational hygiene - No information available.

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

- No information available.

### 7.3 - Specific end use(s)

## SECTION 8: Exposure controls/personal protection

### 8.1 - Control parameters

carbon dioxide (124-38-9)	
IOELV TWA mg/m3 (UE)	9150 mg/m3
IOELV TWA ppm (UE)	5000 ppm
IOELV STEL mg/m3 (UE)	27400 mg/m3
IOELV STEL ppm (UE)	15000 ppm

### 8.2 - Exposure controls

Appropriate engineering controls - No information available.

Individual protection measures, such as personal protective equipment - Additional eye protection measures: In case of increased risk, additionally

- 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.
- Suitable material: NBR (Nitrile rubber)

## SECTION 9: Physical and chemical properties

## Multifunktionsöl

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

<u>Physical state</u>	Liquid	<u>Appearance</u>	Aerosol
<u>Colour</u>	light brown	<u>Odour</u>	characteristic
Odour threshold	No data available		
pH	No data available		
Melting point	No data available		
Freezing point	No data available		
Boiling point	No data available		
Flash point	61 °C		
Evaporation rate	No data available		
flammability	No data available		
Lower explosion limit	0.7 % Vol.		
Upper explosion limit	6 % Vol.		
Vapour pressure	6700 hPa		
Vapour density	No data available		
Relative density	No data available		
Density	0.07 g/cm <sup>3</sup>		
Solubility (Water)	No data available		
Solubility (Ethanol)	No data available		
Solubility (Acetone)	No data available		
Solubility (Organic solvents)	No data available		
Log KOC	No data available		
Auto-ignition temperature	235 °C		
Decomposition temperature	No data available		
Kinematic viscosity	No data available		
Dynamic viscosity	No data available		

#### Particle characteristics

Particle size	No data available
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### 9.2 - Other information

VOC content	77.95 %
Minimum ignition energy	No data available
Conductivity	No data available

## SECTION 10: Stability and reactivity

### 10.1 - Reactivity

- This material is considered to be non-reactive under normal use conditions.

### 10.2 - Chemical stability

- The product is chemically stable under recommended conditions of storage, use and temperature.

### 10.3 - Possibility of hazardous reactions

- No hazardous reaction when handled and stored according to provisions.

### 10.4 - Conditions to avoid

## Multifunktionsöl

- No information available.

### 10.5 - Incompatible materials

- No information available.

### 10.6 - Hazardous decomposition products

- Does not decompose when used for intended uses.

## SECTION 11: Toxicological information

### 11.1 - Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity - Not classified

#### Toxicity : Mixture

LD50 oral (rat)	No data available
LD50 dermal (rat)	No data available
LD50 dermal (rabbit)	No data available
LC50 inhalation (rat)	No data available
LC50 inhalation dusts and mists (rat)	No data available
LC50 inhalation vapours (rat)	No data available

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

#### Toxicity : Substances

##### Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics ()

LD50 oral (rat)	> 15000 mg/kg
LD50 dermal (rat)	> 3160 mg/kg
LC50 inhalation (rat)	> 6100 ppmV

Skin corrosion/irritation - Not classified

Serious eye damage/eye irritation - Not classified

Respiratory or skin sensitisation - Not classified

Germ cell mutagenicity - Not classified

Carcinogenicity - Not classified

Reproductive toxicity - Not classified

STOT-single exposure - Not classified

STOT-repeated exposure - Not classified

Aspiration hazard - Aspiration hazard - Category 1 - May be fatal if swallowed and enters airways

### 11.2 - Information on other hazards

- This substance does not have endocrine disrupting properties with respect to humans.

## SECTION 12: Ecological information

## Multifunktionsöl

### 12.1 - Toxicity

#### Toxicity : Mixture

EC50 48 hr crustacea	No data available
LC50 96 hr fish	No data available
ErC50 algae	No data available
ErC50 other aquatic plants	No data available
NOEC chronic fish	No data available
NOEC chronic crustacea	No data available
NOEC chronic algae	No data available
NOEC chronic other aquatic plants	No data available

#### Toxicity : Substances

##### Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics ()

LC50 96 hr fish	> 1000 mg/l
ErC50 algae	> 1000 mg/l
NOEC chronic fish	> 0.101 mg/l

- The substance/mixture does not fulfill the criteria of the acute aquatic toxicity according to Regulation (EC) No 1272/2008 [CLP], Annex I.

### 12.2 - Persistence and degradability

Biochemical oxygen demand (BOD)	No data available
Chemical oxygen demand (COD)	No data available
% of biodegradation in 28 days	No data available

- No information available.

### 12.3 - Bioaccumulative potential

Bioconcentration factor (BCF)	No data available
Log KOC	No data available

- No indication of bioaccumulation potential.

### 12.4 - Mobility in soil

- No information available.

### 12.5 - Results of PBT and vPvB assessment

- This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

- This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

### 12.6 - Endocrine disrupting properties

- The product contains a substance that is identified as having endocrine disrupting properties.

### 12.7 - Other adverse effects

- No information available.

## SECTION 13: Disposal considerations

### 13.1 - Waste treatment methods

## Multifunktionsöl

<u>Waste treatment methods</u>	- Dispose of waste according to applicable legislation.
<u>Sewage disposal</u>	- No information available.
<u>Special precautions for waste treatment</u>	- No information available.
<u>Community or national or regional provisions</u>	- No information available.

### SECTION 14: Transport information

#### 14.1 - UN number or ID number

<u>UN number (ADR)</u>	:	UN1950
<u>UN number (RID)</u>	:	UN1950
<u>UN number (ADN)</u>	:	UN1950
<u>UN number (IMDG)</u>	:	UN1950
<u>UN number (IATA)</u>	:	UN1950

#### 14.2 - UN proper shipping name

<u>UN proper shipping name (ADR)</u>	:	AEROSOLS
<u>UN proper shipping name (RID)</u>	:	AEROSOLS
<u>UN proper shipping name (ADN)</u>	:	AEROSOLS
<u>UN proper shipping name (IMDG)</u>	:	AEROSOLS
<u>UN proper shipping name (IATA)</u>	:	AEROSOLS, FLAMMABLE

#### 14.3 - Transport hazard class(es)

<u>ADR Transport hazard class(es)</u>	:	2
<u>ADR Classification code:</u>	:	5F

##### Pictograms



<u>Transport hazard class(es) (RID)</u>	:	2
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##### Pictograms



<u>Transport hazard class(es) (ADN)</u>	:	2
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##### Pictograms



<u>Transport hazard class(es) (IMDG)</u>	:	2
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## Multifunktionsöl

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### Pictograms



Transport hazard class(es) : 2  
(IATA)

### Pictograms



### 14.4 - Packing group

Packing group :  
Packing group (RID) :  
Packing group (ADN) :  
Packing group (IMDG) :  
Packing group (IATA) :

### 14.5 - Environmental hazards

Environmental hazards : No  
Marine pollutant : No

### 14.6 - Special precautions for user

#### **ADR**

ADR Classification code: : 5F  
ADR Special provisions : 190+327+344+625  
ADR Limited quantity (LQ) : 1L  
ADR Excepted quantities : E0  
ADR Packing instructions : P207 LP200  
ADR Special packing provisions : PP87 RR6 L2  
ADR Mixed packing provisions : MP9  
Instructions for portable tanks and bulk containers :  
Special provisions for portable tanks and bulk containers :  
ADR tank code :  
ADR tanks special provisions :  
Vehicle for tank carriage :  
ADR Transport category : 2  
ADR Tunnel restriction code : D  
ADR Special provisions loading, unloading and handling : CV9 CV12  
Special provisions - Packages : V14  
Special provisions - Bulk :  
Special provisions - Operation : S2  
ADR Hazard identification number (Kemler No.) :

#### **RID**

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## Multifunktionsöl

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<u>Special provisions</u>	:	
<u>Limited quantity (LQ)</u>	:	
<u>Excepted quantities</u>	:	

### **ADN**

<u>Special provisions</u>	:	
<u>Limited quantity (LQ)</u>	:	
<u>Excepted quantities</u>	:	

### **IMDG**

<u>Special provisions</u>	:	63 190 277 327 344 381 959
<u>Limited quantity (LQ)</u>	:	
<u>Excepted quantities</u>	:	E0
<u>Packing instructions</u>	:	P207 LP200
<u>Special packing provisions</u>	:	PP87 L2
<u>IBC instruction(s)</u>	:	
<u>IBC provisions</u>	:	
<u>Instructions for portable tanks and bulk containers</u>	:	
<u>Special provisions for portable tanks and bulk containers</u>	:	
<u>EmS codes</u>	:	F-D, S-U
<u>Stowage and handling</u>	:	Category None SW1 SW22
<u>Segregation</u>	:	SG69
<u>Properties and observations</u>	:	

### **IATA**

<u>PCA - Excepted quantities</u>	:	E0
<u>PCA - Limited Quantity - Packing Instructions</u>	:	Y203
<u>PCA - Limited Quantity - Maximum Net Quantity per Package</u>	:	30kg
<u>PCA - Packing Instructions</u>	:	203
<u>PCA - Maximum Net Quantity per Package</u>	:	75kg
<u>CAO - Packing Instructions</u>	:	203
<u>CAO - Maximum Net Quantity per Package</u>	:	150kg
<u>Special Provisions</u>	:	A145 A167 A802
<u>ERG Code</u>	:	10L

14.7 - Maritime transport in bulk according to IMO instruments

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## SECTION 15: Regulatory information

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

<u>Substances REACH candidates</u>	None
<u>Substances Annex XIV</u>	None
<u>Substances Annex XVII</u>	None
<u>VOC content</u>	77.95 %

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## Multifunktionsöl

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Regulation (EC) No. 648/2004 (Detergents regulation)

15.2 - Chemical Safety Assessment

Chemical safety assessment carried out for the product - No information available.

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### SECTION 16: Other information

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#### SDS versions

Version	Issue date	Author	Description of the amendments
1	1/10/2023		

#### Texts of the regulatory sentences

Aerosol 2	Aerosol - Category 2
Asp. Tox. 1	Aspiration hazard - Category 1
Carc. 1B	Carcinogenicity - Category 1B
H223	Flammable aerosol
H229	Pressurised container: May burst if heated
H280	Contains gas under pressure; may explode if heated
H304	May be fatal if swallowed and enters airways
Press. Gas (Comp.)	Compressed gas

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