

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



Trade name : OMNI 200  
Revision date : 13.02.2023  
Print date : 22.03.2023

Version (Revision) : 3.0.1 (3.0.0)

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

### 1.1 Product identifier

OMNI 200

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

#### Relevant identified uses

multifunction oil

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

#### Supplier

Bio-Circle Surface Technology GmbH

**Street :** Berensweg 200

**Postal code/City :** 33334 Gütersloh

**Telephone :** +49 5241 9443 0

**Telefax :** +49 5241 9443 44

**Information contact :** labor@bio-circle.de

### 1.4 Emergency telephone number

+49 5241 9443 51 during normal office hours

(Monday to Thursday from 8 am to 4 pm and Friday from 8 am to 3 pm)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

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

None

### 2.2 Label elements

None

### 2.3 Other hazards

None

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Hazardous ingredients

None

#### Further ingredients

WHITE MINERAL OIL (PETROLEUM) ; REACH No. : 01-2119487078-27-XXXX ; EC No. : 232-455-8; CAS No. : 8042-47-5

Weight fraction :  $\geq 80 \%$

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

When in doubt or if symptoms are observed, get medical advice. Never give anything by mouth to an unconscious person or a person with cramps.

#### Following inhalation

In case of respiratory tract irritation, consult a physician. Remove casualty to fresh air and keep warm and at rest.

#### In case of skin contact

P352 - Wash with plenty of soap and water. In case of skin irritation, consult a physician.

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## After eye contact

P305/351/338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. In case of eye irritation consult an ophthalmologist.

## Following ingestion

Rinse mouth thoroughly with water. Let 1 glass of water be drunken in little sips (dilution effect). Do NOT induce vomiting. Call a physician in any case!

## Self-protection of the first aider

First aider: Pay attention to self-protection!

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

None

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

None

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Water spray jet Foam Extinguishing powder Carbon dioxide (CO<sub>2</sub>) Sand Nitrogen Extinguishing blanket

#### Unsuitable extinguishing media

Full water jet

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

Do not inhale explosion and combustion gases.

#### Hazardous combustion products

In case of fire may be liberated:  
Carbon monoxide , Carbon dioxide (CO<sub>2</sub>)

### 5.3 Advice for firefighters

Use water spray jet to protect personnel and to cool endangered containers. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

#### Special protective equipment for firefighters

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

### 5.4 Additional information

Fire transmission possible. Burning produces heavy smoke. Move undamaged containers from immediate hazard area if it can be done safely.

## SECTION 6: Accidental release measures

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

Use personal protection equipment. Special danger of slipping by leaking/spilling product. Provide adequate ventilation.

### 6.2 Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Cover drains.

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

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Collect in closed and suitable containers for disposal.

### 6.4 Reference to other sections

Safe handling: see section 7  
Personal protection equipment: see section 8  
Disposal: see section 13

## SECTION 7: Handling and storage

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## 7.1 Precautions for safe handling

Keep container tightly closed.

## 7.2 Conditions for safe storage, including any incompatibilities

Ensure adequate ventilation of the storage area. Keep container tightly closed in a cool, well-ventilated place.

### Hints on joint storage

Storage class (TRGS 510) : 10

### Do not store together with

Food and feedingstuffs 14 - Keep in a cool place away from acids.

### Keep away from

Oxidizing agent , Acid

## 7.3 Specific end use(s)

Observe technical data sheet. Observe instructions for use.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limit values

WHITE MINERAL OIL (PETROLEUM) ; CAS No. : 8042-47-5

Limit value type (country of origin) : TRGS 900 ( D )

Parameter : A: respirable fraction

Limit value : 5 mg/m<sup>3</sup>

Peak limitation : 4(II)

Remark : Y

Version :

#### DNEL-/PNEC-values

##### DNEL/DMEL

WHITE MINERAL OIL (PETROLEUM) ; CAS No. : 8042-47-5

Limit value type : DNEL Consumer (systemic)

Exposure route : Inhalation

Exposure frequency : Long-term

Limit value : 34,78 mg/m<sup>3</sup>

Limit value type : DNEL Consumer (systemic)

Exposure route : Dermal

Exposure frequency : Long-term

Limit value : 93,02 mg/kg bw/day

Limit value type : DNEL Consumer (systemic)

Exposure route : Oral

Exposure frequency : Long-term

Limit value : 25 mg/kg bw/day

Limit value type : DNEL worker (systemic)

Exposure route : Inhalation

Exposure frequency : Long-term

Limit value : 164,56 mg/m<sup>3</sup>

Limit value type : DNEL worker (systemic)

Exposure route : Dermal

Exposure frequency : Long-term

Limit value : 217,05 mg/kg bw/day

### 8.2 Exposure controls

#### Personal protection equipment

##### Eye/face protection

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Wear suitable safety goggles in case of splash.

**Suitable eye protection**  
EN 166.

## Skin protection

**Hand protection**



**Suitable gloves type** : EN 374.

**Suitable material** : Butyl caoutchouc (butyl rubber)

**Breakthrough time** : 480 min.

**Thickness of the glove material** : 0.3 mm.

**Remark** : The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. 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.

## Respiratory protection



Respiratory protection necessary at: exceeding exposure limit values , aerosol or mist formation.

Usually no personal respirative protection necessary.

**Suitable respiratory protection apparatus**

Combination filtering device

Filter type: P

**Remark**

Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190).

## General information

P264 - Wash hands thoroughly after handling. Do not put any product-impregnated cleaning rags into your trouser pockets. Remove contaminated, saturated clothing. When using do not eat, drink, smoke, sniff. Avoid contact with skin, eyes and clothes. Do not put any product-impregnated cleaning rags into your trouser pockets.

### 8.3 Additional information

No tests have been performed. Selection made for preparations according to the best available knowledge and information on ingredients. In the case of preparations the resistance of glove materials cannot be calculated in advance so it has to be tested before use.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

**Physical state** : Liquid

**Colour** : clear

#### Odour

odourless

#### Safety characteristics

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Melting point/freezing point :	( 1013 hPa )		not determined	
Initial boiling point and boiling range :	( 1013 hPa )	>	250 °C	
Flash point :		approx.	240 °C	DIN EN ISO 13736
Auto-ignition temperature :			none	
Flammability :			non-flammable	
Lower explosion limit :			not applicable	
Upper explosion limit :			not applicable	
Vapour pressure :	( 50 °C )		not determined	
Density :	( 20 °C )		0,85 - 0,86 g/cm <sup>3</sup>	
Water solubility :	( 20 °C )		practically insoluble	
Water solubility :	( 20 °C )	<	0,1 g/l	
pH :	( 20 °C )		not applicable	
log P O/W :		>	6	
Cinematic viscosity :	( 40 °C )		22 - 27 mm <sup>2</sup> /s	
Relative vapour density :	( 20 °C )		not determined	
Maximum VOC content (EC) :			0 Weight-%	
Maximum VOC content (Switzerland) :			0 Weight-%	
Taxable VOC content (Switzerland) :			0 Weight-%	

## 9.2 Other information

None

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Violent reaction with: Oxidising agent, strong. Formation of: Peroxides.

### 10.2 Chemical stability

Thermal stability: at normal atmospheric pressure fully distillable

### 10.3 Possibility of hazardous reactions

Danger of spontaneous combustion

### 10.4 Conditions to avoid

prolonged exposure to extreme heat

### 10.5 Incompatible materials

Oxidising agent, strong.

### 10.6 Hazardous decomposition products

No known hazardous decomposition products.  
Decomposition products in case of fire: see section 5.

## SECTION 11: Toxicological information

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

#### Acute toxicity

##### Acute oral toxicity

Parameter : ATEmix  
Exposure route : Oral  
Effective dose : > 5000 mg/kg  
Parameter : LD50 ( WHITE MINERAL OIL (PETROLEUM) ; CAS No. : 8042-47-5 )  
Exposure route : Oral  
Species : Rat  
Effective dose : > 5000 mg/kg  
Method : OECD 401

##### Acute dermal toxicity

Parameter : ATEmix

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Exposure route : Dermal  
Effective dose : > 5000 mg/kg  
Parameter : LD50 ( WHITE MINERAL OIL (PETROLEUM) ; CAS No. : 8042-47-5 )  
Exposure route : Dermal  
Species : Rabbit  
Effective dose : > 5000 mg/kg  
Method : OECD 402

#### Acute inhalation toxicity

Parameter : ATEmix  
Exposure route : Inhalation  
Effective dose : > 5000 mg/m<sup>3</sup>  
Parameter : LD50 ( WHITE MINERAL OIL (PETROLEUM) ; CAS No. : 8042-47-5 )  
Exposure route : Inhalation  
Species : Rat  
Effective dose : > 5000 mg/m<sup>3</sup>  
Exposure time : 4 h  
Method : OECD 403

#### Corrosion

##### Skin corrosion/irritation

No further relevant information available.

##### Serious eye damage/eye irritation

No further relevant information available.

#### Respiratory or skin sensitisation

##### Skin sensitisation

No further relevant information available.

##### Sensitisation to the respiratory tract

No further relevant information available.

#### CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

##### Carcinogenicity

No further relevant information available.

##### Germ cell mutagenicity

No further relevant information available.

##### Reproductive toxicity

No further relevant information available.

#### STOT-single exposure

No further relevant information available.

#### STOT-repeated exposure

No further relevant information available.

#### Aspiration hazard

No further relevant information available.

#### 11.2 Information on other hazards

##### Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

##### Toxicokinetics, metabolism and distribution

There are no data available on the preparation/mixture itself.

##### Other adverse effects

Frequently or prolonged contact with skin may cause dermal irritation.

##### Additional information

Preparation not tested. The statement is derived from the properties of the single components.

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## SECTION 12: Ecological information

### 12.1 Toxicity

#### Aquatic toxicity

##### Acute (short-term) fish toxicity

Parameter : LC50  
Species : Leuciscus idus (golden orfe)  
Effective dose : > 1000 mg/l  
Exposure time : 96 h  
Method : OECD 203

Parameter : LC50  
Species : Daphnia magna (Big water flea)  
Effective dose : > 100 mg/l  
Exposure time : 48 h  
Method : OECD 202

Parameter : LC50 ( WHITE MINERAL OIL (PETROLEUM) ; CAS No. : 8042-47-5 )  
Species : Leuciscus idus (golden orfe)  
Evaluation parameter : Acute (short-term) fish toxicity  
Effective dose : > 100 mg/l  
Exposure time : 96 h  
Method : OECD 203

Parameter : LC50 ( WHITE MINERAL OIL (PETROLEUM) ; CAS No. : 8042-47-5 )  
Species : Daphnia magna (Big water flea)  
Evaluation parameter : Acute (short-term) toxicity to crustacea  
Effective dose : > 100 mg/l  
Exposure time : 48 h  
Evaluation : Harmless to daphnia up to the tested concentration.  
Method : OECD 202

Parameter : EC50 ( WHITE MINERAL OIL (PETROLEUM) ; CAS No. : 8042-47-5 )  
Species : Daphnia magna (Big water flea)  
Evaluation parameter : Chronic (long-term) toxicity to aquatic invertebrate  
Effective dose : > 1000 mg/l  
Exposure time : 21 D  
Method : OECD 211

##### Toxicity to microorganisms

Parameter : EC50 ( WHITE MINERAL OIL (PETROLEUM) ; CAS No. : 8042-47-5 )  
Species : Toxicity to microorganisms  
Effective dose : > 1000 mg/l  
Exposure time : 40 h

### 12.2 Persistence and degradability

#### Biodegradation

Parameter : CO2 formation (% of the theoretical value) ( WHITE MINERAL OIL (PETROLEUM) ; CAS No. : 8042-47-5 )  
Inoculum : Degree of elimination  
Evaluation parameter : Biodegradation  
Degradation rate : 31,13 %  
Test duration : 28 D  
Evaluation : Not readily biodegradable (according to OECD criteria)  
Method : OECD 301F

#### Additional information

According to OECD criteria the product is not readily biodegradable but inherently biodegradable.

### 12.3 Bioaccumulative potential

No indication of bioaccumulation potential.

### 12.4 Mobility in soil

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No information available.

## 12.5 Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

## 12.6 Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

## 12.7 Other adverse effects

No information available.

## 12.8 Additional ecotoxicological information

Discharge into the environment must be avoided.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Consult the appropriate local waste disposal expert about waste disposal.

#### Directive 2008/98/EC (Waste Framework Directive)

##### Before intended use

##### Waste codes/waste designations according to EWC/AVV

13 02 05\* (Mineral-based non-chlorinated engine, gear and lubricating oils)

##### Other disposal recommendations

Dispose of waste according to applicable legislation. Dispose of contents/container to an appropriate recycling or disposal facility. Contaminated packages must be completely emptied and can be re-used following proper cleaning. Handle contaminated packages in the same way as the substance itself.

### 13.2 Additional information

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process. The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

## SECTION 14: Transport information

### 14.1 UN number

No dangerous good in sense of these transport regulations.

### 14.2 UN proper shipping name

No dangerous good in sense of these transport regulations.

### 14.3 Transport hazard class(es)

No dangerous good in sense of these transport regulations.

### 14.4 Packing group

No dangerous good in sense of these transport regulations.

### 14.5 Environmental hazards

No dangerous good in sense of these transport regulations.

### 14.6 Special precautions for user

None

### 14.7 Maritime transport in bulk according to IMO instruments

No transport as bulk according to IBC Code.

## SECTION 15: Regulatory information

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

EU legislation



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## Authorisations and/or restrictions on use

### Restrictions of occupation

Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).  
Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

### National regulations

#### Water hazard class

Classification according to AwSV - Class : 1 (Slightly hazardous to water)

## 15.2 Chemical Safety Assessment

For this substance a chemical safety assessment has not been carried out.

## SECTION 16: Other information

### 16.1 Indication of changes

09. Information on basic physical and chemical properties · 11. Endocrine disrupting properties · 12. Endocrine disrupting properties

### 16.2 Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route (Europäisches Übereinkommen über die Beförderung gefährlicher Güter auf der Straße)  
AOX: adsorbierbare organisch gebundene Halogene  
AwSV: Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen  
CAS: Chemical Abstracts Service (Unterabteilung der American Chemical Society)  
CLP: Verordnung (EG) Nr. 1272/2008 über die Einstufung, Kennzeichnung und Verpackung von Stoffen und Gemischen (Classification Labelling and Packaging)  
EAK / AVV: europäischer Abfallartenkatalog / Abfallverzeichnis-Verordnung  
ECHA: Europäische Chemikalienagentur (European Chemicals Agency)  
EINECS: : Altstoffverzeichnis (European Inventory of Existing Commercial Chemical Substances)  
GHS: Global harmonisiertes System zur Einstufung und Kennzeichnung von Chemikalien (Globally Harmonized System of Classification and Labelling of Chemicals)  
IATA: Internationale Luftverkehrs-Vereinigung (International Air Transport Association)  
ICAO: Internationale Zivilluftfahrtorganisation (International Civil Aviation Organization)  
IMDG: Gefahrgutkennzeichnung für gefährliche Güter im Seeschiffverkehr (International Maritime Code for Dangerous Goods)  
RID: Regelung zur internationalen Beförderung gefährlicher Güter im Schienenverkehr (Règlement concernant le transport international ferroviaire de marchandises dangereuses)  
TRGS: Technische Regel für den Umgang mit Gefahrstoffen  
VbF: Verordnung über brennbare Flüssigkeiten  
VOC: flüchtige organische Verbindung (volatile organic compound)  
VVEA: Verordnung über die Vermeidung und die Entsorgung von Abfällen  
VwVwS: Verwaltungsvorschrift wassergefährdender Stoffe  
WGK: Wassergefährdungsklasse

### 16.3 Key literature references and sources for data

DGUV: GESTIS-Stoffdatenbank  
ECHA: Classification And Labelling Inventory  
ECHA: Pre-registered Substances  
ECHA: Registered Substances  
EC Safety Data Sheet of Suppliers  
ESIS: European Chemical Substances Information System  
GDL: Gefahrstoffdatenbank der Länder  
UBA Rigoletto: Wassergefährdende Stoffe  
Regulation (EC) No. 1907/2006 of the European Parliament and of the Council  
Regulation (EC) No. 1272/2008 of the European Parliament and of the Council

### 16.4 Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

### 16.5 Relevant H- and EUH-phrases (Number and full text)

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**16.6 Training advice**

None

**16.7 Additional information**

None

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The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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