

Safety Data Sheet

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



Trade name : OMNI 200
Revision date : 05.08.2020
Print date : 05.08.2020

Version (Revision) : 3.0.0 (2.1.0)

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 (manufacturer/importer/only representative/downstream user/distributor)

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

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.

After eye contact

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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.

After 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 (CO₂) 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 (CO₂)

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.

6.2 Environmental precautions

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

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. 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

7.1 Precautions for safe handling

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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/m³

Peak limitation : 4(II)

Remark : Y

Version :

DNEL-/PNEC-values

DNEL/DMEL

Limit value type : DNEL Consumer (systemic) (WHITE MINERAL OIL (PETROLEUM) ; CAS No. : 8042-47-5)

Exposure route : Inhalation

Exposure frequency : Long-term

Limit value : 34,78 mg/m³

Limit value type : DNEL Consumer (systemic) (WHITE MINERAL OIL (PETROLEUM) ; CAS No. : 8042-47-5)

Exposure route : Dermal

Exposure frequency : Long-term

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

Limit value type : DNEL Consumer (systemic) (WHITE MINERAL OIL (PETROLEUM) ; CAS No. : 8042-47-5)

Exposure route : Oral

Exposure frequency : Long-term

Limit value : 25 mg/kg bw/day

Limit value type : DNEL worker (systemic) (WHITE MINERAL OIL (PETROLEUM) ; CAS No. : 8042-47-5)

Exposure route : Inhalation

Exposure frequency : Long-term

Limit value : 164,56 mg/m³

Limit value type : DNEL worker (systemic) (WHITE MINERAL OIL (PETROLEUM) ; CAS No. : 8042-47-5)

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 (maximum wearing 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 respiratory protection necessary.

Suitable respiratory protection apparatus

Combination filtering device (EN 14387)

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.

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

characteristic

Safety characteristics

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Initial boiling point and boiling range	(1013 hPa)	>	250	°C
Flash point :		approx.	240	°C
Lower explosion limit :			not applicable	
Upper explosion limit :			not applicable	
Density :	(20 °C)		0,85 - 0,86	g/cm ³
Water solubility :	(20 °C)	<	0,1	g/l
pH :			not applicable	
log P O/W :		>	6	
Cinematic viscosity :	(40 °C)		22 - 27	mm ² /s
Maximum VOC content (EC) :			0	Wt %
Maximum VOC content (Switzerland) :			0	Wt %

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 toxicological effects

Acute toxicity

Acute oral toxicity

Parameter :	ATEmix calculated
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 calculated
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

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Method : OECD 402

Acute inhalation toxicity

Parameter : ATEmix calculated
Exposure route : Inhalation
Effective dose : > 5000 mg/m³
Parameter : LD50 (WHITE MINERAL OIL (PETROLEUM) ; CAS No. : 8042-47-5)
Exposure route : Inhalation
Species : Rat
Effective dose : > 5000 mg/m³
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 Toxicokinetics, metabolism and distribution

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

11.3 Other adverse effects

Frequently or prolonged contact with skin may cause dermal irritation.

11.4 Additional information

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

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

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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) daphnia toxicity
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) daphnia toxicity
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 : Bacteria toxicity
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

No information available.

12.5 Results of PBT and vPvB assessment

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

12.6 Other adverse effects

No information available.

12.7 Additional ecotoxicological information

Discharge into the environment must be avoided.

SECTION 13: Disposal considerations

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The waste codes are recommendations based on the schedule use of this product. Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances. List of proposed waste codes/waste designations in accordance with EWC

13.1 Waste treatment methods

Consult the appropriate local waste disposal expert about waste disposal.

Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

Waste code product

13 02 05* - mineral-based non-chlorinated engine, gear and lubricating oils.

Waste code packaging

15 01 02 - plastic packaging.

13.2 Additional information

These codes are assigned based upon the most common uses for this material and may not reflect contaminants resulting from actual use. 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 Transport in bulk according to Annex II of Marpol and the IBC Code

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

National regulations

AT: Labelling according to Austrian regulations (Chemikaliengesetz/ChemV).

CH: Chemikalienverordnung (ChemV) and Chemikalien-Risikoreduktions-Verordnung (Chem RRV) are complied.

Restrictions of occupation

Observe restrictions to employment for juvenils 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.

Water hazard class (WGK)

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

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16.1 Indication of changes

03. Further ingredients · 08. Occupational exposure limit values · 08. DNEL/DMEL

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)
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]

No information available.

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

None

16.6 Training advice

None

16.7 Additional information

None

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.