

Safety Data Sheet

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



Trade name : OMNI
Revision date : 30.07.2020
Print date : 20.10.2020

Version (Revision) : 3.0.2 (3.0.1)

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

1.1 Product identifier

OMNI

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]

Asp. Tox. 1 ; H304 - Aspiration hazard : Category 1 ; May be fatal if swallowed and enters airways.

2.2 Label elements

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

Hazard pictograms



Health hazard (GHS08)

Signal word

Danger

Hazard components for labelling

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

Hazard statements

H304 May be fatal if swallowed and enters airways.

Precautionary statements

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor/...

P331 Do NOT induce vomiting.

P405 Store locked up.

Additional information

None

2.3 Other hazards

None

SECTION 3: Composition/information on ingredients

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3.2 Mixtures

Hazardous ingredients

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

Weight fraction : $\geq 50 - < 100$ %

Classification 1272/2008 [CLP] : Asp. Tox. 1 ; H304

(2-METHOXYMETHYLETHOXY)PROPANOL ; REACH No. : 01-2119450011-60-XXXX ; EC No. : 252-104-2; CAS No. : 34590-94-8

Weight fraction : $\geq 5 - < 10$ %

Classification 1272/2008 [CLP] : Substance with a Community workplace exposure limit

Additional information

Full text of H- and EUH-phrases: see section 16.

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. Remove contaminated, saturated clothing immediately.

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

After contact with skin, wash immediately with plenty of water and soap. Rub greasy ointment into the skin.

After eye contact

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Protect uninjured eye.

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 immediately.

Self-protection of the first aider

First aider: Pay attention to self-protection!

4.2 Most important symptoms and effects, both acute and delayed

May be fatal if swallowed and enters airways.

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 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

None

5.3 Advice for firefighters

Use water spray jet to protect personnel and to cool endangered containers. Apply foam in abundant quantities since some of it gets destroyed by the product. 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.

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5.4 Additional information

Fire transmission possible. Burning produces heavy smoke. Use water spray jet to protect personnel and to cool endangered containers. Remove product from area of fire.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protection equipment. Remove all sources of ignition.

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

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Keep container tightly closed. Ensure adequate ventilation of the storage area.

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

Keep away from

Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges.

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 : 29.03.2019

(2-METHOXYMETHYLETHOXY)PROPANOL ; CAS No. : 34590-94-8

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

Limit value : 50 ppm / 310 mg/m³

Peak limitation : 1(I)

Version : 29.03.2019

Limit value type (country of origin) : TWA (EC)

Limit value : 50 ppm / 308 mg/m³

Remark : Skin

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Version : 20.06.2019

DNEL-/PNEC-values

DNEL/DMEL

Limit value type : DNEL worker (systemic) ((2-METHOXYMETHYLETHOXY)PROPANOL ; CAS No. : 34590-94-8)

Exposure route : Inhalation

Exposure frequency : Long-term

Limit value : 310 mg/m³

Limit value type : DNEL worker (systemic) ((2-METHOXYMETHYLETHOXY)PROPANOL ; CAS No. : 34590-94-8)

Exposure route : Dermal

Exposure frequency : Long-term

Limit value : 65 mg/kg

8.2 Exposure controls

Personal protection equipment

Eye/face protection



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

Suitable respiratory protection apparatus

Combination filtering device (EN 14387)

General information

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

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.

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state : Liquid

Colour : colourless

Odour

characteristic

Safety characteristics

Solidifying point :	(1013 hPa)	approx.	-25 °C
Flash point :		>	100 °C
Lower explosion limit :			not applicable
Upper explosion limit :			not applicable
Density :	(20 °C)	approx.	0,81 g/cm ³
pH :			not applicable
Cinematic viscosity :	(20 °C)	approx.	6,48 mm ² /s
Maximum VOC content (EC) :			5 Wt %
Maximum VOC content (Switzerland) :			5 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

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

10.3 Possibility of hazardous reactions

No information available.

10.4 Conditions to avoid

No information available.

10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products

Does not decompose when used for intended uses.
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 :	> 2000 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

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Parameter : LD50 ((2-METHOXYMETHYLETHOXY)PROPANOL ; CAS No. : 34590-94-8)
Exposure route : Oral
Species : Rat
Effective dose : > 5000 mg/kg
Method : OECD 401

Acute dermal toxicity

Parameter : ATEmix calculated
Exposure route : Dermal
Effective dose : > 2000 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

Parameter : LD50 ((2-METHOXYMETHYLETHOXY)PROPANOL ; CAS No. : 34590-94-8)
Exposure route : Dermal
Species : Rat
Effective dose : > 19020 mg/kg
Method : OECD 402

Acute inhalation toxicity

Parameter : ATEmix calculated
Exposure route : Inhalation
Effective dose : > 20 mg/m³

Parameter : LC50 ((2-METHOXYMETHYLETHOXY)PROPANOL ; CAS No. : 34590-94-8)
Exposure route : Inhalation
Species : Rat
Effective dose : > 275 ppm
Exposure time : 7 h
Method : OECD 403

Parameter : LC50 (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.

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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. Do not breathe gas/fumes/vapour/spray.

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 ((2-METHOXYMETHYLETHOXY)PROPANOL ; CAS No. : 34590-94-8)
Species : Poecilia reticulata (Guppy)
Evaluation parameter : Acute (short-term) fish toxicity
Effective dose : > 1000 mg/l
Exposure time : 96 h
Evaluation : Harmless to fish up to the concentration tested.
Method : OECD 203

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
Evaluation : Harmless to fish up to the concentration tested.
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 : LC50 ((2-METHOXYMETHYLETHOXY)PROPANOL ; CAS No. : 34590-94-8)
Species : Daphnia magna (Big water flea)
Evaluation parameter : Acute (short-term) daphnia toxicity
Effective dose : 1919 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

Acute (short-term) toxicity to aquatic algae and cyanobacteria

Parameter : EC50 ((2-METHOXYMETHYLETHOXY)PROPANOL ; CAS No. : 34590-94-8)
Species : Pseudokirchneriella subcapitata

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Effective dose : > 969 mg/l
Exposure time : 72 h
Evaluation : Harmless to algae up to the concentration tested.
Method : OECD 201

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
Parameter : EC10 ((2-METHOXYMETHYLETHOXY)PROPANOL ; CAS No. : 34590-94-8)
Species : Pseudomonas putida
Evaluation parameter : Bacteria toxicity
Effective dose : 4168 mg/l
Exposure time : 18 h

12.2 Persistence and degradability

Biodegradation

Parameter : Biodegradation (WHITE MINERAL OIL (PETROLEUM) ; CAS No. : 8042-47-5)
Inoculum : Degree of elimination
Evaluation parameter : Aerobic
Degradation rate : 24 %
Test duration : 28 D
Method : OECD 301B
Parameter : DOC reduction ((2-METHOXYMETHYLETHOXY)PROPANOL ; CAS No. : 34590-94-8)
Inoculum : Biodegradation
Evaluation parameter : Aerobic
Degradation rate : 96 %
Test duration : 28 D
Evaluation : Readily biodegradable (according to OECD criteria).
Method : OECD 301F

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

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process. List of proposed waste codes/waste designations in accordance with EWC

13.1 Waste treatment methods

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

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These codes are assigned based upon the most common uses for this material and may not reflect contaminants resulting from actual use.

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

EU legislation

Authorisations and/or restrictions on use

Restrictions on use

Use restriction according to REACH annex XVII, no. : 3

Restrictions of occupation

Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

National regulations

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.

Störfallverordnung

Not subject to StörfallVO.

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

16.1 Indication of changes

15. Restrictions on use

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

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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)

H304 May be fatal if swallowed and enters airways.

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.