



# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU

## OPN-Maintenance Oil

Version number: 4.0  
Revision: 2023-01-25

Date of compilation: 2015-11-25

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

1.1	Product identifier	
	Trade name	OPN-Maintenance Oil
	Unique formula identifier (UFI)	DTRG-J51T-500K-6F8N
	Other means of identification	
	Article number	61660
	Tariff No.	34059010
1.2	Relevant identified uses of the substance or mixture and uses advised against	
	Relevant identified uses	Industrial use Professional use
	Sector of use	Care for all metallic surfaces
	Uses advised against	Do not use for products which come into contact with foodstuffs. Do not use for private purposes (household).
1.3	Details of the supplier of the safety data sheet	
	OPN-CHEMIE GmbH In der Au 14 57290 Neunkirchen	
	www.opn-chemie.de	
	Competent person responsible for the safety data sheet	Barbara Angelika Gros-Petri
	e-mail (competent person)	baerbel.petri@opn-chemie.de
1.4	Emergency telephone number	
	Emergency information service	Poison Information Centre Freiburg +49(0)761/19240

### SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture  
Classification according to Regulation (EC) No 1272/2008 (CLP)

Section	Hazard class	Hazard class and category	Hazard statement
3.10	Aspiration hazard	Asp. Tox. 1	H304

Remarks

For full text of abbreviations: see SECTION 16

- 2.2 Label elements  
Labelling according to Regulation (EC) No 1272/2008 (CLP)

Signal word                      Danger

Pictograms

GHS08



Hazard statements

H304                      May be fatal if swallowed and enters airways.

Precautionary statements

P102                      Keep out of reach of children.  
P261                      Avoid breathing spray.  
P301+P310              IF SWALLOWED: Immediately call a POISON CENTER/doctor.  
P312                      Call a POISON CENTER/doctor if you feel unwell.  
P331                      Do NOT induce vomiting.  
P405                      Store locked up.  
P501                      Dispose of contents / container in accordance with national regulations of the disposal.

Hazardous ingredients for labelling                      White mineral oil (petroleum)

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU

## OPN-Maintenance Oil


Version number: 4.0  
Revision: 2023-01-25

Date of compilation: 2015-11-25

- 2.3 Other hazards  
Results of PBT and vPvB assessment  
This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

### SECTION 3: Composition/information on ingredients

- 3.1 Substances  
Not relevant (mixture).
- 3.2 Mixtures  
Description of the mixture Mixture of substances listed below with nonhazardous additions

Name of substance	Identifier	Wt%	Classification acc. to GHS	Pictograms
White mineral oil (petroleum)	CAS No 8042-47-5  EC No 232-455-8  REACH Reg. No 01-2119487078- 27-xxxx	≥ 90	Asp. Tox. 1 / H304	
Name of substance	Specific Conc. Limits	M-Factors	ATE	Exposure route
White mineral oil (petroleum)	-	-	-	Inhalation: dust/mist

- 3.3 Remarks  
For full text of abbreviations: see SECTION 16

### SECTION 4: First aid measures

- 4.1 Description of first aid measures  
General notes  
Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.  
Following inhalation  
If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. Provide fresh air.  
Following skin contact  
Wash with plenty of soap and water.  
Following eye contact  
Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.  
Following ingestion  
Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.
- 4.2 Most important symptoms and effects, both acute and delayed  
Symptoms and effects are not known to date.
- 4.3 Indication of any immediate medical attention and special treatment needed  
none

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU

## OPN-Maintenance Oil

Version number: 4.0  
Revision: 2023-01-25

Date of compilation: 2015-11-25

### SECTION 5: Firefighting measures

- 5.1 Extinguishing media  
Suitable extinguishing media  
Water spray. BC-powder. Carbon dioxide (CO<sub>2</sub>).  
Unsuitable extinguishing media  
Water jet.
- 5.2 Special hazards arising from the substance or mixture  
Hazardous combustion products  
Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).
- 5.3 Advice for firefighters  
In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

### SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures  
For non-emergency personnel  
Remove persons to safety.  
For emergency responders  
Wear breathing apparatus if exposed to vapours/dust/spray/gases.
- 6.2 Environmental precautions  
Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.
- 6.3 Methods and material for containment and cleaning up  
Advice on how to contain a spill  
Covering of drains.  
Advice on how to clean up a spill  
Wipe up with absorbent material (e.g. cloth, fleece). collect spillage  
sawdust  
kieselgur (diatomite)  
sand  
universal binder  
Appropriate containment techniques  
Use of adsorbent materials.  
Other information relating to spills and releases  
Place in appropriate containers for disposal. Ventilate affected area.
- 6.4 Reference to other sections  
Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

### SECTION 7: Handling and storage

- 7.1 Precautions for safe handling  
Recommendations  
Measures to prevent fire as well as aerosol and dust generation  
Use local and general ventilation. Use only in well-ventilated areas.  
Measures to protect the environment  
Measures against electrostatic charges  
Take precautionary measures against static discharge. Prevent small spills and leaks to avoid slip hazard. Material can accumulate static charges that can cause an electrical spark (ignition source). When handling bulk quantities, an electrical spark can ignite flammable vapors from any liquid or residue that may be present (e.g. during switch-loading operations). Use rules and procedures for proper grounding/connection. Nevertheless, grounding/connection cannot exclude the risk of static charging. Use local standards as guidelines.  
Advice on general occupational hygiene  
Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.
- 7.2 Conditions for safe storage, including any incompatibilities  
Managing of associated risks  
Storage class (LGK)

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU

## OPN-Maintenance Oil

Version number: 4.0  
Revision: 2023-01-25

Date of compilation: 2015-11-25

12

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

### SECTION 8: Exposure controls/personal protection

- 8.1 Control parameters  
National limit values  
Occupational exposure limit values (Workplace Exposure Limits)  
this information is not available  
Relevant DNELs/DMELs/PNECs and other threshold levels  
Relevant DNELs of components of the mixture

Relevant DNELs of components of the mixture						
Name of substance	CAS No	End-point	Threshold level	Protection goal, route of exposure	Used in	Exposure time
White mineral oil (petroleum)	8042-47-5	DNEL	164.6 mg/m <sup>3</sup>	Human, inhalatory	Worker (industry)	Chronic - systemic effects
White mineral oil (petroleum)	8042-47-5	DNEL	217.1 mg/kg bw/day	Human, dermal	Worker (industry)	Chronic - systemic effects

- 8.2 Exposure controls  
Appropriate engineering controls  
General ventilation.  
Individual protection measures (personal protective equipment)  
Eye/face protection  
Do not spray in eyes. If required use tight-fitting goggles.  
Skin protection  
Hand protection  
Wear suitable gloves.  
Other protection measures  
Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.  
Environmental exposure controls  
Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

### SECTION 9: Physical and chemical properties

- 9.1 Information on basic physical and chemical properties
- |   |                           |
|---|---------------------------|
| Physical state                          | Liquid                    |
| Colour                                  | Colourless                |
| Odour                                   | Odourless                 |
| Initial boiling point and boiling range | ≥218 °C at 101.3 kPa      |
| Flammability (solid, gas)               | non-combustible           |
| Explosive limits                        | Not determined            |
| Flash point                             |                           |
| Auto-ignition temperature               | ≥325 °C<br>Not determined |
| Vapour pressure                         | ≤0.01 kPa at 20 °C        |
| Density                                 | 0.85 g/ml at 20 °C        |
- 9.2 Other information  
Other safety characteristics  
There is no additional information

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU

## OPN-Maintenance Oil

Version number: 4.0  
Revision: 2023-01-25

Date of compilation: 2015-11-25

### SECTION 10: Stability and reactivity

- 10.1 Reactivity  
Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials".
- 10.2 Chemical stability  
See below "Conditions to avoid".
- 10.3 Possibility of hazardous reactions  
No known hazardous reactions.
- 10.4 Conditions to avoid  
There are no specific conditions known which have to be avoided.  
Physical stresses which might result in a hazardous situation and have to be avoided  
High temperatures.
- 10.5 Incompatible materials  
Oxidisers.
- 10.6 Hazardous decomposition products  
Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

### SECTION 11: Toxicological information

- 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008  
Test data are not available for the complete mixture.  
Classification procedure  
The method for classification of the mixture is based on ingredients of the mixture (additivity formula).  
Classification according to GHS (1272/2008/EC, CLP)  
Acute toxicity  
Shall not be classified as acutely toxic.  
GHS of the United Nations, annex 4. May be harmful in contact with skin or if inhaled.

Acute toxicity estimate (ATE) of components of the mixture

Name of substance	CAS No	Exposure route	ATE
White mineral oil (petroleum)	8042-47-5	Inhalation: dust/mist	

- Skin corrosion/irritation  
Shall not be classified as corrosive/irritant to skin.
- Serious eye damage/eye irritation  
Shall not be classified as seriously damaging to the eye or eye irritant.
- Respiratory or skin sensitisation  
Shall not be classified as a respiratory or skin sensitiser.
- Germ cell mutagenicity  
Shall not be classified as germ cell mutagenic.
- Carcinogenicity  
Shall not be classified as carcinogenic.
- Reproductive toxicity  
Shall not be classified as a reproductive toxicant.
- Specific target organ toxicity - single exposure  
Shall not be classified as a specific target organ toxicant (single exposure).
  - Specific target organ toxicity - repeated exposure  
Shall not be classified as a specific target organ toxicant (repeated exposure).
- Aspiration hazard  
May be fatal if swallowed and enters airways.
- 11.2 Information on other hazards  
There is no additional information.

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU

## OPN-Maintenance Oil

Version number: 4.0  
Revision: 2023-01-25

Date of compilation: 2015-11-25

### SECTION 12: Ecological information

#### 12.1 Toxicity

Ordinance on systems for handling water-polluting substances (Ordinance on facilities for handling substances hazardous to water) (AwSV): WGK (Germany) 1, slightly hazardous to water

#### 12.2 Persistence and degradability

Biodegradation

The relevant substances of the mixture are readily biodegradable.

#### 12.3 Bioaccumulative potential

Data are not available.

#### 12.4 Mobility in soil

Data are not available.

#### 12.5 Results of PBT and vPvB assessment

Data are not available.

#### 12.6 Endocrine disrupting properties

None of the ingredients are listed.

#### 12.7 Other adverse effects

Data are not available.

### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packagings

Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

### SECTION 14: Transport information

#### 14.1 UN number or ID number

Not subject to transport regulations

#### 14.2 UN proper shipping name

Not relevant

#### 14.3 Transport hazard class(es)

None

#### 14.4 Packing group

Not assigned

#### 14.5 Environmental hazards

Non-environmentally hazardous acc. to the dangerous goods regulations

#### 14.6 Special precautions for user

There is no additional information.

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

The cargo is not intended to be carried in bulk.

Information for each of the UN Model Regulations

Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN) Additional information

Not subject to ADR, RID and ADN.

International Maritime Dangerous Goods Code (IMDG) Additional information

Not subject to IMDG.

International Civil Aviation Organization (ICAO-IATA/DGR) Additional information

Not subject to ICAO-IATA.

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU

## OPN-Maintenance Oil

Version number: 4.0  
Revision: 2023-01-25

Date of compilation: 2015-11-25

### SECTION 15: Regulatory information

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

Relevant provisions of the European Union (EU)

List of substances subject to authorisation (REACH, Annex XIV)/SVHC - candidate list

none of the ingredients are listed

Industrial Emissions Directive (IED)

VOC content 0 %

Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS)

none of the ingredients are listed

Regulation concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)

none of the ingredients are listed

Water Framework Directive (WFD)

none of the ingredients are listed

Regulation on persistent organic pollutants (POP)

None of the ingredients are listed.

National regulations (Germany)

Ordinance on systems for handling water-polluting substances (Ordinance on facilities for handling substances hazardous to water)(AwSV)

Water hazard class 1 (slightly hazardous to water)

Technical instructions on air quality control (Germany)

Number	Group of substances	Class	Conc.	Mass flow	Mass concentration	Notation
5.2.5	Organic substances		≥ 25 wt%	0.5 kg/h	50 mg/m <sup>3</sup>	3)

Notation

3) A total mass flow of 0.50 kg/h or a total mass concentration of 50 mg/m<sup>3</sup>, each of which to be indicated as total carbon, shall not be exceeded (except organic particulate matter)

Storage of hazardous substances in non-stationary containers (TRGS 510) (Germany)

Storage class (LGK) 12 (Non-combustible liquids)

National inventories

Country	Inventory	Status
EU	REACH Reg.	All ingredients are listed

Legend

REACH Reg. REACH registered substances

#### 15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

### SECTION 16: Other information

#### 16.1 Indication of changes (revised safety data sheet)

Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
1.1	Tariff No. 34059090	Tariff No. 34059010	Yes
1.2	Relevant identified uses: Industrial use Professional use Consumer use (private households)	Relevant identified uses: Industrial use Professional use	Yes
1.2	Uses advised against: Do not use for products which come into contact with foodstuffs	Uses advised against: Do not use for products which come into contact with foodstuffs Do not use for private purposes (household).	Yes

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU

## OPN-Maintenance Oil

Version number: 4.0  
Revision: 2023-01-25

Date of compilation: 2015-11-25

Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
1.4	Emergency information service: Vergiftungs-Informations-Zentrale Freiburg +49(0)761/19240	Emergency information service: Poison Information Centre Freiburg +49(0)761/ 19240	Yes
3.2		Description of the mixture: change in the listing (table)	Yes
5.2		Hazardous combustion products: Carbon monoxide (CO). Carbon dioxide (CO <sub>2</sub> ).	Yes
6.4	Reference to other sections: Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.	Reference to other sections: Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.	Yes
8.1	National limit values: This information is not available.	National limit values: Occupational exposure limit values (Workplace Exposure Limits) this information is not available	Yes
8.1		Relevant DNELs/DMELs/PNECs and other threshold levels	Yes
8.1		Relevant DNELs of components of the mixture	Yes
9.1	Auto-ignition temperature: >160 °C Not determined	Auto-ignition temperature: ≥325 °C Not determined	Yes
9.1	Vapour pressure: <0.001 hPa at 20 °C	Vapour pressure: ≤0.01 kPa at 20 °C	Yes
9.1	Density: 0.85 g/ml	Density: 0.85 g/ml at 20 °C	Yes
10.5	Incompatible materials: There is no additional information.	Incompatible materials: Oxidisers.	Yes
11.1		Acute toxicity estimate (ATE) of components of the mixture: change in the listing (table)	Yes
12.1	Toxicity: Shall not be classified as hazardous to the aquatic environment. Ordinance on systems for handling water-polluting substances (Ordinance on facilities for handling substances hazardous to water) (AwSV): WGK (Germany) 1, slightly hazardous to water	Toxicity: Ordinance on systems for handling water-polluting substances (Ordinance on facilities for handling substances hazardous to water) (AwSV): WGK (Germany) 1, slightly hazardous to water	Yes
12.2	Persistence and degradability: Data are not available.	Persistence and degradability	Yes
14.1	UN number or ID number: Not assigned	UN number or ID number: Not subject to transport regulations	Yes
14.2	UN proper shipping name	UN proper shipping name: Not relevant	Yes
14.2	ADN: SUBSTANCES WITH A SELF-IGNITION TEMPERATURE OF 200 °C AND BELOW, N.O.S.		Yes
14.3	Transport hazard class(es)	Transport hazard class(es): None	Yes
14.3	ADN: 3		Yes



# Safety Data Sheet

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## OPN-Maintenance Oil

Version number: 4.0  
Revision: 2023-01-25

Date of compilation: 2015-11-25

Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
14.7	Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN)Additional information: Not subject to ADR. Not subject to RID.	Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN)Additional information: Not subject to ADR, RID and ADN.	Yes
15.1	Restrictions according to REACH, Annex XVII: none of the ingredients are listed		Yes
16	Indication of changes (revised safety data sheet): Alignment to regulation. Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU  Restructuring: section 3, section 9, section 14 Einfügung: UFI: DTRG-J51T-500K-6F8N		Yes
16.2		Abbreviations and acronyms: change in the listing (table)	Yes
16.3	Key literature references and sources for data: Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures. Regulation (EC) No. 1907/2006 (REACH), amended by 2015/830/EU. Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN). International Maritime Dangerous Goods Code (IMDG).  Dangerous Goods Regulations (DGR) for the air transport (IATA).	Key literature references and sources for data: Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures. Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU. Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN). International Maritime Dangerous Goods Code (IMDG).  Dangerous Goods Regulations (DGR) for the air transport (IATA).	Yes

### 16.2 Abbreviations and acronyms

ADN	Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways).
ADR	Accord relatif au transport international des marchandises dangereuses par route (Agreement concerning the International Carriage of Dangerous Goods by Road).
Asp. Tox.	Aspiration hazard.
ATE	Acute Toxicity Estimate.
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances).
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.
DGR	Dangerous Goods Regulations (see IATA/DGR).
DMEL	Derived Minimal Effect Level.
DNEL	Derived No-Effect Level.
EC No	The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union).
EINECS	European Inventory of Existing Commercial Chemical Substances.
ELINCS	European List of Notified Chemical Substances.
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations.
IATA	International Air Transport Association.
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA).
ICAO	International Civil Aviation Organization.
IMDG	International Maritime Dangerous Goods Code.
LGK	Lagerklasse (storage class according to TRGS 510, Germany).
NLP	No-Longer Polymer.
PBT	Persistent, Bioaccumulative and Toxic.
PNEC	Predicted No-Effect Concentration.
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals.
RID	Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail).
SVHC	Substance of Very High Concern.
TRGS	Technische Regeln für Gefahrstoffe (technical rules for hazardous substances, Germany).
VOC	Volatile Organic Compounds.
VPvB	Very Persistent and very Bioaccumulative.

### 16.3 Key literature references and sources for data

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.  
Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU.  
  
Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN).  
International Maritime Dangerous Goods Code (IMDG).  
Dangerous Goods Regulations (DGR) for the air transport (IATA).

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU

## OPN-Maintenance Oil

Version number: 4.0  
Revision: 2023-01-25

Date of compilation: 2015-11-25

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### 16.4 Classification procedure

Physical and chemical properties. The classification is based on tested mixture.

Health hazards. The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

### 16.5 List of relevant phrases (code and full text as stated in section 2 and 3)

H304                    May be fatal if swallowed and enters airways.

#### Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.