

Transmission Oil Profimax plus

Product Reference code:214725

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Issue date: 5/4/2021 Version: 1.00



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

1.1. Product identifier

Product form : Mixture
Name : Transmission Oil Profimax plus
Product code : 214725
Product group : Technical oils

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

1.2.1. Relevant identified uses

Use of the substance/mixture : Synthetic lubricants

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Name MULAG Fahrzeugwerk Heinz Wössner GmbH & Co. KG
Gewerbestr. 8
77728 Oppenau - Deutschland

Telephone +49 7804 913-0

E-mail info@mulag.de

Inquiry office

MULAG Fahrzeugwerk Heinz Wössner GmbH & Co. KG
Telephone: +49 7804 913-0

1.4. Emergency telephone number

Emergency number +49 (0) 761 19240
Universitätsklinikum Freiburg (VIZ), 24 h Notdienst

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

Precautionary statements (CLP) : P262 - Do not get in eyes, on skin, or on clothing.
P273 - Avoid release to the environment.

2.3. Other hazards

Other hazards which do not result in classification : Drying out of the skin due to defatting. Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product. Slipping hazard due to leakage.

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SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Comments : Blend based on : Synthetic oil (polyalphaolefine) and additive

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures general : In case of feeling unwell: obtain medical attention. Show this safety data sheet to the doctor in attendance. If unconscious, place the person in the recovery position and seek medical advice immediately. Do not administer liquids to the unconscious person and avoid vomiting. Protection is needed for the First Aider (Protective gloves, chemical-resistant; Safety glasses). Take off contaminated clothing and shoes immediately. Eye wash fountains and safety showers must be easily accessible.
- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Lay the affected person down, and keep her or him warm and calm. If symptoms persist, call a physician.
- First-aid measures after skin contact : Wash contaminated skin areas thoroughly with soap and water. Do not use solvents or thinners. Take off immediately all contaminated clothing and wash it before reuse. Clean shoes thoroughly. In the case of skin irritation or allergic reactions see a physician.
- First-aid measures after eye contact : Rinse immediately and thoroughly, pulling the eyelids well away from the eye (15 minutes minimum). Remove contact lenses, if present and easy to do. Continue rinsing. Consult an ophthalmologist.
- First-aid measures after ingestion : Do not induce vomiting without medical advice. If victim is conscious: Rinse mouth. If symptoms persist, call a physician. If unconscious, place in the recovery position and seek medical advice. Never give anything by mouth to an unconscious person. If swallowed or in the event of vomiting, risk of product entering the lungs.

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

- Symptoms/effects after inhalation : Large concentrations of vapour or oil mist can be irritating to the mucous membranes and respiratory tract.
- Symptoms/effects after skin contact : Prolonged skin contact can lead to defatting of the skin or to irritation. Drying out of the skin due to defatting. Skin contact with the product may cause acne.
- Symptoms/effects after eye contact : Temporary irritation of the eyes possible. May cause: burn, redness.
- Symptoms/effects after ingestion : Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

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

Symptomatic treatment (decontamination and vital functions). If necessary, contact poison centre.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Carbon dioxide (CO₂), dry chemical powder, foam.
- Unsuitable extinguishing media : High volume water jet. Do not use a solid water stream as it may scatter and spread fire.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : Keep away from heat and sources of ignition. Articles impregnated with the product are to be disposed of immediately (cloth, paper, absorbent material).
- Explosion hazard : Risk of bursting if heated. In sealed containers the internal pressure will rise. Risk of explosion!
- Hazardous decomposition products in case of fire : Depending on the conditions of the fire, the following combustion products could be formed/given off: Carbon oxides (CO, CO₂). The combustion gases are partially condensed with the water used to extinguish the fire and end up as a contaminant in this water.

5.3. Advice for firefighters

- Firefighting instructions : Secure the danger area. Remove intact containers immediately from the dangerous area and/or cool them with water. Use water spray or fog for cooling exposed containers. Only to be handled by trained personnel.
- Protection during firefighting : Do not breathe in the vapours and combustion gases. In the event of fire, wear self-contained breathing apparatus. Complete protection suit and compressed air breathing apparatus. Avoid contact with this material during fire fighting operations. If contact is likely, change to full chemical resistant fire fighting clothing with self-contained breathing apparatus. Clothing for firefighters which comply with the European norm EN 469 (including helmet, protective boots, protective gloves) provide a basic protection for accident with chemicals.

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Other information : Prevent extinguishing water used by the fire department, or any other forms of the diluted product, from ending up in surface water or drinking water reservoirs. Do not empty into drains. Contaminated extinguishing water and soil must be disposed of in accordance with official regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Evacuate the danger area. Evacuate personnel to a safe area. Do not breathe in vapours or spray mist. Ensure adequate ventilation, especially in confined areas. In case of insufficient ventilation, wear suitable respiratory equipment. Higher exposure: wear self-contained breathing apparatus and chemical protective suit at all times. Keep unprotected people away. Avoid contact with skin and eyes. Wear personal protective equipment. Chemical-resistant safety shoes or boots. Avoid spillage and leakage due to the risk of slipping.

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so. The spread of the product is to be prevented by oil barriers or dikes. Do not flush into surface water or sanitary sewer system. Do not allow material to contaminate ground water system. Contact the responsible authority immediately if the product ends up in the soil, a body of water, or the sewer system. In case of an accident or when the street is contaminated with the product, notify the fire department and police department, and when necessary, the water protection authorities.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Seal discharge point, if possible without danger. Contain the product immediately by taking suitable action. Small amounts: Adsorption in inert material (e.g. sand, kieselguhr, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal. Large quantities: Avoid subsoil penetration. Prevent product from entering drains. Avoid escape in basement or enclosed areas. Spilled or leaking material is to be soaked up with non-flammable absorbent materials (sand, soil, diatomaceous earth) and put in containers. In the event of large-scale leakage, pump into suitable and properly labeled containers. Dispose of the material collected according to regulations. Offer surplus and non-recyclable solutions to a licensed disposal company.

6.4. Reference to other sections

Suitable protective equipment : See section 8. Dispose of as described in section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Avoid any length of exposure at increased temperature. Vapours are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapours. Ensure adequate ventilation, especially in confined areas. Already opened containers should be closed thoroughly and should be stored upright in order to prevent leakage. If spilled, may cause the floor to be slippery. Emptied containers can contain residues of product. Do not burn, or use a cutting torch on the empty drum. Cleaning cloths, paper or other materials that are used for absorption can become a potential fire hazard. Collect and safely dispose in closed, non-flammable containers after use.

Precautions for safe handling : When handling the product, follow hygiene and safety precautions. Wear personal protective equipment. Use only in well-ventilated areas. Do not inhale vapours or smoke of heated product. Avoid contact with skin, eyes and clothing. Do not eat, drink, smoke or take snuff at work. Wash hands before breaks and immediately after handling the product. Contaminated work clothing should not be allowed out of the workplace. Avoid spilling the product, as this might cause falls.

Hygiene measures : A high standard of personal hygiene is required. Avoid prolonged and intensive skin contact. Remove all contaminated clothes and shoes. Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Regular cleaning of equipment, work area and clothing. Contaminated work clothing should not be allowed out of the workplace. Eye wash fountains and safety showers must be easily accessible.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in compliance with the local regulations. Store in original container. Keep containers tightly closed in a dry, cool, and well-ventilated place. Avoid contamination with incompatible materials. Protect from heat and direct sunlight. The product may only come into contact with suitable materials. Only use hydrocarbon-resistant containers. Do not use unlabelled containers. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

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Information on mixed storage : See section: 10.
Storage area : Smoking in the storage rooms is forbidden. Store sealed in the original container. Local regulations concerning handling and storage of water polluting products have to be followed.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Transmission Oil Profimax plus	
DNEL/DMEL (additional information)	
Additional information	No data available
PNEC (additional information)	
Additional information	No data available

8.2. Exposure controls

Appropriate engineering controls:

Provide adequate ventilation and/or exhaust ventilation. Respiratory protection measures are required when large amounts of the product are used, when the product is used in enclosed spaces or under any other circumstances, in which the explosion limit concentration is approached or even surpassed.

Personal protective equipment:

Wear recommended personal protective equipment. Personal protection equipment should comply with the relevant standards, be suitable for purpose, in good condition and maintained as specified.

Hand protection:

Wear suitable gloves. The manufacturer recommends the following glove materials: Nitrile rubber gloves. Penetration time of the glove material: >240 min or > 480 min (At long continual or frequent contact). Layer thickness: > 0,35 mm. Thicker gloves may be necessary, when a higher risk (mechanical or chemical) of abrasion or puncturing exists. Safety gloves should be selected for the actual conditions of use and in accordance with the instructions for use provided by the manufacturer. Please note that the daily use of a chemical glove in practice may be considerably shorter than the permeation time calculated in EN 374 as a result of many different factors (for example temperature). Use tested protective gloves. Protective gloves should be replaced immediately if damaged or in case of signs of wear. Wear gloves only with clean hands. Wash and dry one's hands after use of gloves. Preventive skin protection by skin protection cream. Protection cream can help to protect the skin surface. It should be applied before use.

Eye protection:

Safety glasses with side-shields/Face shield (EN 166).

Skin and body protection:

Wear suitable protective clothing. Remove and wash contaminated clothing before re-use. Light protective clothing : anti-static clothing made of natural fibres (cotton) or heat-resistant synthetic fibres. (Overalls). Higher exposure: chemical resistant apron, complete suit protection against chemicals, boots . No rings, watches or similar things should be worn. Product residues can remain and, therefore, can trigger skin reactions. Discard items which cannot be decontaminated, including leather articles such as shoes, belts and watchbands.

Environmental exposure controls:

Emission from ventilation and process equipment should be tested to make sure that it fulfils the requirements of environmental protection regulation. Do not discharge the product into the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Colour : light yellow.
Odour : No data available
Odour threshold : No data available
pH : No data available
Relative evaporation rate (butylacetate=1) : No data available
Melting point : No data available
Freezing point : No data available
Boiling point : No data available
Flash point : 220 °C (Closed cup/P/M Pensky-Martens)
Auto-ignition temperature : No data available

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Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: < 1 g/cm ³ (at 15 °C)
Solubility	: Water: Insoluble
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: 220 mm ² /s (at 40 °C)
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

Other properties : Pour point : -39 °C.

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions occur under normal storage conditions and in normal use. Polymerization : None if used correctly.

10.4. Conditions to avoid

Keep away from heat and sources of ignition. Keep away from sparks and flames.

10.5. Incompatible materials

Incompatible with oxidising agents.

10.6. Hazardous decomposition products

No decomposition if stored and applied as directed.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Skin corrosion/irritation	: Not classified
Serious eye damage/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	: Not classified

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Viscosity, kinematic	220 mm ² /s (at 40 °C)
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Potential adverse human health effects and symptoms : On inhalation : Due to the low volatility, inhalation at room temperature is improbable. At high temperatures, vapours can form in concentrations which can be hazardous to health. Inhalation of vapours in high concentration may cause irritation of respiratory tract. In the case of thermal decomposition: can be hazardous to the health in the event of vapour, fog, or smoke formation during use if these are inhaled. Material sprayed or splashed into the eyes can cause symptoms or injuries such as redness, tearing and corneal damage.

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Experience with humans	: Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product. Avoid skin contact with the used product. Wash hands before breaks and immediately after handling the product
Other information	: Characteristic skin damage (pustules) can develop after continued and repeated exposure (contact with contaminated clothing). Remove and wash contaminated clothing before re-use.

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

12.2. Persistence and degradability

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Persistence and degradability	Not readily biologically degradable.

12.3. Bioaccumulative potential

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Bioaccumulative potential	Bioaccumulation is not assumed.

12.4. Mobility in soil

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Mobility in soil	If the product gets into the earth it remains mobile and can damage the ground water. The product floats on (waste) water

12.5. Results of PBT and vPvB assessment

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Results of PBT assessment	The product does not contain any substance which meets the PBT criteria (persistent/bio-accumulative/toxic) or the vPvB criteria (very persistent/very bio-accumulative). REACH regulation, annex XIII.

12.6. Other adverse effects

Other adverse effects	: Danger to drinking water already by leakage of small amounts into the subsoil. May form an oil film that cause the oxygen content to fall, thus harming the aquatic ecosystem.
Additional information	: Do not flush into surface water or sanitary sewer system. Do not allow material to contaminate ground water system.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations	: Disposal in accordance with the official regulations. Where possible recycling is preferred to disposal or incineration. Offer surplus and non-recyclable solutions to a licensed disposal company. Packaging can be sent for recycling after being emptied and cleaned. Unclean packing materials, just as the empty containers: handle and open container with care. Emptied containers can contain residues of product. Empty containers can contain flammable and explosive vapours. Do not burn, or use a cutting torch on the empty drum. The containers must be sealed, marked and disposed of safely. Prevent leakage. Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.
Additional information	: Waste code numbers are a recommendation, since the intended use by the consumer allows a final assignment.
European List of Waste (LoW) code	: 13 02 06* - synthetic engine, gear and lubricating oils 15 01 10* - packaging containing residues of or contaminated by dangerous substances

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
not regulated	not regulated	not restricted	not regulated	not regulated
14.2. UN proper shipping name				
not regulated	not regulated	not restricted	not regulated	not regulated
14.3. Transport hazard class(es)				
not regulated	not regulated	not restricted	not regulated	not regulated

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ADR	IMDG	IATA	ADN	RID
14.4. Packing group				
	-			
14.5. Environmental hazards				
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No	Dangerous for the environment : No	Dangerous for the environment : No
No supplementary information available				

14.6. Special precautions for user

- Overland transport

No data available

- Transport by sea

No data available

- Air transport

No data available

- Inland waterway transport

No data available

- Rail transport

No data available

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

VOC content : 0 % DIRECTIVE 2004/42/CE Annex II

Seveso Information : Not subject to 2012/18/EU (SEVESO III)

15.1.2. National regulations

The national regulations have to be complied with as necessary.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out for the substance or the mixture by the supplier.

SECTION 16: Other information

Abbreviations and acronyms:

DNEL = Derived No Effect Level
PNEC = Predicted No-Effect Concentration
SVHC = substance of very high concern
VOC = Volatile organic compounds
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
CLP = Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
EINECS = European Inventory of Existing Commercial Chemical Substances

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Data sources

: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information :

The information is based on present levels of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights. The product is to be used exclusively for the applications named in the technical data sheet or in the processing instructions. Existing laws and regulations are the responsibility of the recipient of our products. The data of the hazardous ingredients were taken from the last relevant safety data sheet of the subcontractor.