

SAFETY DATA SHEET

Prepared by the Regulation on Registration, Evaluation, Authorization,
and Restriction of Chemicals published in the Official Gazette dated 23
June 2017 and numbered 30105

Substance/Mixture Name	STARKA VAKUUM PUMPENÖL 46	Preparation date:	02.10.2025
		New Edit Date:	-
		Revision:	0
		Form No:	F-30

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY / DISTRIBUTOR

1.1. Product Identifier

Product Name STARKA VAKUUM PUMPENÖL 46

1.2. Relevant Identified Uses of The Substance or Mixture and Recommended Uses

Usage: STARKA VAKUUM PUMPENÖL 46, Vacuum pump oil. For more information, please refer to the product's Technical Data Sheet.

Manufacturer Company Name: STARKA AUTOTECH

Company Address: Lüffringhausen 28-30, 42929
Wermelskirchen
Köln, Germany

Phone: +49 151 20013388

Fax: -

SDS Authorized Person: info@starkautotech.de

1.3. Emergency Telephone Number

Emergency Phone: +44 (0) 1235 239 670 (24/7)

National Poison Information Center: 114

2. HAZARDS IDENTIFICATION

2.1. Classification of The Substance or Mixture

Classified according to Regulation (EC) No 1272/2008. (RG: 11.12.2013, 28848 Repeated)

Human Health: May cause sensitization or allergic reactions in sensitive individuals. Used oils are more dangerous than new oils. Used oils may contain dangerous ingredients that are likely to cause skin cancer.

Environmental: The product contains a substance that is harmful to aquatic organisms and may cause long-term adverse effects in the aquatic environment.

Physico-chemical: The product is not in the class of flammable substances, but can ignite when exposed to flame sources at a temperature above its flash point.

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Label Elements

Labeling has been done in accordance with regulation (EC) No 1272/2008. (RG: 11.12.2013, 28848 Repeated)

The product is classified and labeled according to the CLP regulation.



Hazard Pictograms:

Signal Word: Warning

Hazard Statements

➤ -

Hazard-determining components for labeling: -

Precautionary Statements

- P301+P310 IF SWALLOWED: Call a NATIONAL POISON ADVICE CENTER or doctor/physician
- P273 Avoid release to the environment.
- P501 Dispose of contents/container according to national regulations.

Other Damages

Other hazards mineral oil and chemicals pose no appreciable risk when normal precautions (item 7) and personal protective equipment (item 8) are used.

Results of PBT and vPvB assessment: Not applicable

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3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Mixtures

Substance	EC No.	Cas No.	Concentration (%)	H Expressions
Lubricating oils, petroleum, C20-50, hydrotreated neutral oil-based	-	72623-87-1	25-50	-

*Expansion of H expressions is given in Section 16.

This product contains highly refined and non-carcinogenic base oils and special performance additives. The dimethyl sulfoxide (DMSO) extract test result of the base oils used in the product using the IP 346 test method is less than 3% by weight.

*** The dangerous classes of these components are taken from the MSDS sent by the supplier company.

4. FIRST AID MEASURES

4.1. Description of First Aid Measures

Eyes	Wash off immediately with plenty of water. If you have contact lenses, remove them. Keep washing. If irritation persists after washing, seek medical attention.
Skin	Immediately remove contaminated clothing and wash with plenty of soap and water.
Swallowing	Do not induce vomiting. Do not force vomiting unless under the management of health personnel. Seek medical attention if symptoms are severe or persistent.
Respiratory	Take the person to fresh air and allow them to breathe easily.

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

There are no known special health hazards.

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

No other important information is available.

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5. FIRE FIGHTING MEASURES

5.1. Fire Extinguishers

Water spray, foam, dry powder or carbon dioxide. Do not use the water jet as an extinguisher, which will cause the fire to spread.

5.2. Special Hazards Arising from the Substance or Mixture

Specific danger: Unknown

Hazardous combustion products: Carbon dioxide (CO₂). Carbon monoxide (CO). Sulfurous gases (SO_x). Mercaptans. Zinc oxide fumes. Hydrogen sulfide (H₂S).

5.3. Advice for Firefighters

Protective equipment: Use self-contained breathing apparatus to prevent eye and skin contact in case of fire.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Use the personal protective devices specified in section 8.

6.2. Environmental Precautions

Keep away from surface and ground water.

6.3. Methods and Materials for Containment and Cleaning up

- **Clean Up Methods - low spill:** Lower to dry or soil. Sweep up and remove to a suitable, clearly visible container for disposal in accordance with local regulations.
- **Clean-up Methods - heavy spillage:** Prevent material from spreading by making a barrier with sand, earth or other material. It is cleaned directly or with an absorbent liquid. Dispose of as with small spills.

7. HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Avoid breathing vapor spray/mist. Do not handle on skin, eyes or clothing. Do not eat, drink or smoke while using this product. All handling should only take place in well-ventilated areas. Take precautions against static discharge. For personal protection, see Chapter 8.

7.2. Conditions for Safe Storage, Including any Incompatibilities

Store in tightly closed, original containers in a dry, cool and well-ventilated place. Keep it upright. Keep away from food, drink and animal feed.

7.3. Specific End Uses

Unknown

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control Parameters

Mixtures do not have TWA and STEL values.

8.2. Exposure Controls

8.2.1. Appropriate Engineering Controls

Keep the substance concentration in the environment below the permissible limits by providing suitable general or local ventilation.

8.2.2. Personal Protective Equipment

Eyes	Under normal conditions, eye protection equipment is not required. Where splash hazard is likely, wear safety glasses with side windows for safe operation.	
Clothes	Use suitable protective clothing to prevent skin contact. Protective clothing to be selected according to the procedures to be performed includes gloves, apron, boots and all-face protective materials. Recommended materials for protective gloves are: Nitrile Rubber, Silver Guard, Viton.	  
Respiratory	Under normal conditions, respiratory protection is not required. If user operations produce oil mist, determine whether airborne concentrations are below the occupational exposure limit for H ₂ S. If not, wear an approved respirator that provides adequate protection against measured concentrations of this substance. In air-purifying respirators, use a particle cartridge.	

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9. PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information Physical and Chemical Properties**

Class	STANDARD	VAKUUM PUMPENÖL 46
Density g/cm ³	ASTM D 1298	0,85
Kinematic viscosity @40°C, cSt	ASTM D 445	44
Kinematic viscosity @100°C, cSt	ASTM D 445	7
Flash point, °C, min	ASTM D 92	230
Pour point, °C, max	ASTM D 97	-42

10. STABILITY AND REACTIVITY**10.1. Reaction**

There are no known reactivity hazards associated with this product.

10.2. Chemical Stability

It is stable under normal conditions.

10.3. Possibility of Hazardous Reactions

Hazardous reactions unknown.

10.4. Conditions to Avoid

Avoid exposure to high temperatures and direct sunlight.

10.5. Substances to be Avoided

Strong oxidizing agents. Strong acids.

10.6. Harmful Decomposition Products

It is usable and does not decompose when stored as recommended.

11. TOXICOLOGICAL INFORMATION**11.1. Information on Toxic Effects**

There are no known specific health hazards. Unclassified.

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12. ECOLOGICAL INFORMATION**12.1. Toxicity**

The product is not expected to be hazardous to the environment. Based on available data, the classification criteria are not met.

12.2. Persistence and Degradability

There is no data.

12.3. Bioaccumulation Potential

The product contains substances with the potential to bioaccumulate.

12.4. Mobility in Soil

The product is insoluble in water and spreads on the water surface. It can be absorbed by the soil and loses its mobility.

12.5. Results of PBT and vPvB Assessment PBT: Not applicable.

PvB: Not applicable.

12.6. Other Adverse Effects

No other important information is available.

13. DISPOSAL INFORMATION**13.1. Waste Treatment Methods**

Dispose of waste to licensed waste disposal facility in accordance with local Waste Disposal Agency requirements. Care should be taken when handling empty containers. It must be thoroughly cleaned or rinsed. Do not reuse empty containers.

The product is not covered by international regulations regarding the transport of dangerous goods (IMDG, IATA, ADR / RID).

14. TRANSPORT INFORMATION

14.1	UN number	-
14.2	UN proper shipping name	-
14.3	Transport hazard class(es)	-
14.4	Packing group	-
14.5	Environmental hazards	-
14.6	Special precautions for the user	-
14.7	Annex II of MARPOL 73/78 and IBC public transport by code	-

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15. REGULATORY INFORMATION

15.1. Specific Safety, Health and Environmental Regulations for the Substance or Mixture

- Labeling done in accordance with regulation (EC) No 1272/2008: The product is classified and labeled according to the CLP regulation.
- Directive 2012/18 / EU: Named dangerous substances - substances in Annex I are listed.
- National regulations: The product will be labeled in accordance with the current version of the regulations on dangerous substances.

16. OTHER INFORMATION

16.1. Abbreviations Used

Abbreviations	Expression
CAS	Chemical Abstracts Service
EC (EINECS)	European Inventory of Existing Commercial Chemical Substances
PBT	Persistent, Biaccumulative and Toxic
vPvB	very Persistent and very Biaccumulative
Aquatic Chronic 4	Hazardous to the aquatic environment Category 4
Skin Sens. 1	Skin sensitization Category 1
Repr. Tox. 1B	Reproductive toxicity Category 1B
Asp. Tox. 1	Aspiration toxicity

16.2. Classification Methods: -

16.3. Relevant hazard statements, explanations of precautionary statements

H Expressions

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P Expressions	
P331	Do not induce vomiting.
P273	Avoid release to the environment.
P201	Read special instructions before use.
P501	Dispose of contents/container by sending to waste collection center.

The health and safety information provided in this document is believed to be correct up to the date of preparation. The information obtained from outside of STARKA AUTOTECH and contained in this document has been examined. However, there is no guarantee of the perfection or accuracy of the information contained in this document. The health and safety precautions contained in this document may not be sufficient for all individuals/situations. The user is responsible for evaluating the material, using it safely and complying with the applicable laws and rules. The expressions used in this document shall not be construed as any permission, recommendation or license for the practice and work performed without a valid license. STARKA AUTOTECH will not be held responsible for any damage or injury that may arise from abnormal use of the material, failure to follow the recommendations or the hazards inherent in the material. The items in the product safety data sheet have been published in line with the information we currently have, and it is aimed to define the products in terms of health and safety environmental conditions. STARKA AUTOTECH does not directly or indirectly represent or warrant that the data in this information form are correct or complete. Therefore, it should not be considered as information that guarantees any specific feature of the products. Data and recommendations are valid for the application or applications specified in this product when sold. This product should not be used for any purpose other than the specified application or applications without consulting STARKA AUTOTECH. All rights of the document are reserved. Cannot be replaced by another company.