



# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## Jokisch Monos Neri D46

Revision date: 06.07.2020

Product code: 574

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

#### 1.1. Product identifier

Jokisch Monos Neri D46

#### Further trade names

Old product name: Jokisch Hydrauliköl HLP D 46

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

##### Use of the substance/mixture

Hydraulic oil

##### Uses advised against

This product must not be used in applications other than those listed in Section 1 without first seeking the advice of the supplier.

#### 1.3. Details of the supplier of the safety data sheet

Company name:	Jokisch GmbH	
Street:	Industriestraße 5	
Place:	DE-33813 Oerlinghausen	
Telephone:	+49(0)5202/9734-0	Telefax: +49(0)5202/9734-49
e-mail:	info@jokisch-fluids.de	
e-mail (Contact person):	MSDS@jokisch-fluids.de	
Internet:	www.jokisch-fluids.de	

#### 1.4. Emergency telephone number:

Giftnotruf Berlin: +49 (0) 30 / 30686 790

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Regulation (EC) No. 1272/2008

This mixture is not classified as hazardous in accordance with Regulation (EC) No. 1272/2008.

This mixture is classified as not hazardous according to Regulation (EC) 1272/2008 [GHS].

#### 2.2. Label elements

##### Regulation (EC) No. 1272/2008

##### Special labelling of certain mixtures

EUH208	Contains Amine phosphate. May produce an allergic reaction.
EUH210	Safety data sheet available on request.

#### 2.3. Other hazards

Not expected to be a health hazard when used under normal conditions. Prolonged or repeated skin contact without proper cleaning can clog the pores of the skin resulting in disorders such as oil acne/folliculitis. High-pressure injection under the skin may cause serious damage including local necrosis. Used grease may contain harmful impurities. Not classified as flammable but will burn.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

##### Chemical characterization

Highly refined mineral oils and additives

The highly refined mineral oil contains <3% (w/w) DMSOextract, according to IP346.

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**Hazardous components**

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
91745-46-9	Amine phosphate			0.1 - < 1 %
	294-716-2			
	Acute Tox. 4, Eye Dam. 1, Skin Sens. 1, Aquatic Chronic 2; H302 H318 H317 H411			

Full text of H and EUH statements: see section 16.

**Further Information**

REACH No. : 64742-53-6 (01-2119480375-34), 64742-54-7 (01-2119484627-25), 64742-55-8 (01-2119487077-29), 64742-56-9 (01-2119480132-48), 64742-65-0 (01-2119471299-27), 68037-01-4 (01-2119486452-34), 72623-86-0 (01-2119474878-16), 72623-87-1 (01-2119474889-13), 8042-47-5 (01-2119487078-27), 848301-69-9 (01-0000020163-82).

**SECTION 4: First aid measures****4.1. Description of first aid measures****General information**

Not expected to be a health hazard when used under normal conditions.

**After inhalation**

No treatment necessary under normal conditions of use. If symptoms persist, obtain medical advice.

**After contact with skin**

Remove contaminated clothing. Flush exposed area with water and follow by washing with soap if available. If persistent irritation occurs, obtain medical attention. When using high pressure equipment, injection of product under the skin can occur. If high pressure injuries occur, the casualty should be sent immediately to a hospital. Do not wait for symptoms to develop. Obtain medical attention even in the absence of apparent wounds.

**After contact with eyes**

If product gets into the eye, keep eyelid open and rinse immediately with large quantities of water, for at least 5 minutes. Subsequently consult an ophthalmologist.

**After ingestion**

In general no treatment is necessary unless large quantities are swallowed, however, get medical advice.

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

Local necrosis is evidenced by delayed onset of pain and tissue damage a few hours following injection. Oil acne/folliculitis signs and symptoms may include formation of black pustules and spots on the skin of exposed areas. Ingestion may result in nausea, vomiting and/or diarrhoea.

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

Treat symptomatically.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

Foam. Atomized water. Water fog.

**Unsuitable extinguishing media**

High power water jet.

**5.2. Special hazards arising from the substance or mixture**

Hazardous combustion products may include: A complex mixture of airborne solid and liquid particulates and gases (smoke). Carbon monoxide may be evolved if incomplete combustion occurs. Unidentified organic and

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inorganic compounds.

**5.3. Advice for firefighters**

Proper protective equipment including chemical resistant gloves are to be worn; chemical resistant suit is indicated if large contact with spilled product is expected. Self-Contained Breathing Apparatus must be worn when approaching a fire in a confined space. Select fire fighter's clothing approved to relevant Standards (e.g. Europe: EN469).

**Additional information**

Co-ordinate fire-fighting measures to the fire surroundings.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Avoid contact with skin and eyes.

**6.2. Environmental precautions**

Avoid contact with skin and eyes. Use appropriate containment to avoid environmental contamination. Prevent from spreading or entering drains, ditches or rivers by using sand, earth, or other appropriate barriers.

**6.3. Methods and material for containment and cleaning up**

High slip hazard because of leaking or spilled product. Prevent spread over a wide area (e.g. by containment or oil barriers).

**6.4. Reference to other sections**

Avoid contact with spilled or released material. For guidance on selection of personal protective equipment see Chapter 8 of this Material Safety Data Sheet. See Chapter 13 for information on disposal. Observe all relevant local and international regulations.

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Advice on safe handling**

Avoid prolonged or repeated contact with skin. Avoid breathing dust/fume/gas/mist/vapours/spray.

**Advice on protection against fire and explosion**

B: Burning liquid or melting substances.

**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Suitable material: For containers or container linings, use mild steel or high density polyethylene.

Unsuitable material: PVC (Polyvinyl chloride).

**Further information on storage conditions**

Store in a well-ventilated place. Keep container tightly closed.

**7.3. Specific end use(s)**

No information available.

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****DNEL/DMEL values**

CAS No	Substance	Exposure route	Effect	Value
91745-46-9	Amine phosphate			

**Additional advice on limit values**

Monitoring of the concentration of substances in the breathing zone of workers or in the general workplace may

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be required to confirm compliance with an OEL and adequacy of exposure controls. For some substances biological monitoring may also be appropriate.

#### 8.2. Exposure controls



##### Appropriate engineering controls

The level of protection and types of controls necessary will vary depending upon potential exposure conditions. Select controls based on a risk assessment of local circumstances. Appropriate measures include: Adequate ventilation to control airborne concentrations. Where material is heated, sprayed or mist formed, there is greater potential for airborne concentrations to be generated.

##### Protective and hygiene measures

Personal protective equipment (PPE) should meet recommended national standards. Check with PPE suppliers.

Do not contaminate water with the product or its container (Do not clean application equipment near surface water/Avoid contamination via drains from farmyards and roads).

When using do not eat, drink or smoke.

##### Eye/face protection

Wear safety glasses or full face shield if splashes are likely to occur. Approved to EU Standard EN166.

##### Hand protection

Where hand contact with the product may occur the use of gloves approved to relevant standards (e.g. Europe: EN374, US: F739) made from the following materials may provide suitable chemical protection: PVC, neoprene or nitrile rubber gloves. Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material, glove thickness, dexterity. Always seek advice from glove suppliers. Contaminated gloves should be replaced. Personal hygiene is a key element of effective hand care. Gloves must only be worn on clean hands. After using gloves, hands should be washed and dried thoroughly. Application of a non-perfumed moisturizer is recommended.

The required protective gloves have to be specified by the glove material and the penetration time of the glove material depending on strength and duration of dermal exposition.

##### Skin protection

Skin protection not ordinarily required beyond standard issue work clothes.

##### Respiratory protection

No respiratory protection is ordinarily required under normal conditions of use. In accordance with good industrial hygiene practices, precautions should be taken to avoid breathing of material. If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, select respiratory protection equipment suitable for the specific conditions of use and meeting relevant legislation. Check with respiratory protective equipment suppliers. Where air-filtering respirators are suitable, select an appropriate combination of mask and filter. Select a filter suitable for combined particulate/organic gases and vapours [boiling point >65 °C (149 °F)] meeting EN14387.

##### Environmental exposure controls

Dispose of waste according to applicable legislation.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state:	liquid
Colour:	amber coloured
Odour:	characteristic
Odour threshold:	No data available

**Test method**

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**Changes in the physical state**

Initial boiling point and boiling range:	<280 °C estimated
Pour point:	-24 °C ISO 3016
Flash point:	223 °C DIN ISO 2592
Lower explosion limits:	1 vol. %
Upper explosion limits:	10 vol. %
Decomposition temperature:	No data available
Vapour pressure: (at 20 °C)	0,005 hPa estimated
Density (at 15 °C):	0,88 g/cm <sup>3</sup> ISO 12185

**Solubility in other solvents**

No data available

Partition coefficient:

&gt;6

Viscosity / kinematic:  
(at 40 °C)46 mm<sup>2</sup>/s ASTM D 445**9.2. Other information**

No information available.

**SECTION 10: Stability and reactivity****10.2. Chemical stability**

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

**10.3. Possibility of hazardous reactions**

Reacts with : Oxidizing agents, strong.

**10.4. Conditions to avoid**

Protect from sunlight.

Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Keep out of the reach of children.

**10.5. Incompatible materials**

Oxidizing agents, strong.

**10.6. Hazardous decomposition products**

Under normal conditions of storage and use, hazardous decomposition products should not be generated.

**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Toxicokinetics, metabolism and distribution**

The statement is derived from the properties of the single components.

**ATEmix tested**

	Dose	Species	Source
LD50, oral	>5000 mg/kg	Rat	
LD50, dermal	>5000 mg/kg	Rabbit	

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**Acute toxicity**

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
91745-46-9	Amine phosphate				
	oral	ATE 500 mg/kg			

**Irritation and corrosivity**

slightly irritant but not relevant for classification.

**Sensitising effects**

none Sensitizer

**Carcinogenic/mutagenic/toxic effects for reproduction**

No experimental indications of mutagenicity in-vivo exist.

**STOT-single exposure**

No risks worthy of mention.

**STOT-repeated exposure**

No risks worthy of mention.

**Aspiration hazard**

No risks worthy of mention.

**Specific effects in experiment on an animal**

Product contains mineral oils of types shown to be non- carcinogenic in animal skin-painting studies. Highly refined mineral oils are not classified as carcinogenic by the International Agency for Research on Cancer (IARC). Other components are not known to be associated with carcinogenic effects .

**SECTION 12: Ecological information****12.2. Persistence and degradability**

Expected to be not readily biodegradable. Major constituents are expected to be inherently biodegradable, but the product contains components that may persist in the environment.

**12.3. Bioaccumulative potential**

Contains components with the potential to bioaccumulate.

**12.4. Mobility in soil**

Liquid under most environmental conditions. Floats on water. If it enters soil, it will adsorb to soil particles and will not be mobile.

**12.6. Other adverse effects**

Product is a mixture of non-volatile components, which are not expected to be released to air in any significant quantities. Not expected to have ozone depletion potential, photochemical ozone creation potential or global warming potential.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Disposal recommendations**

Do not allow to enter into surface water or drains.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company. Do not contaminate the ground or water with waste, do not dispose of waste into the environment

**List of Wastes Code - residues/unused products**

130110 OIL WASTES AND WASTES OF LIQUID FUELS (EXCEPT EDIBLE OILS, AND THOSE IN CHAPTERS 05, 12 AND 19); waste hydraulic oils; mineral based non-chlorinated hydraulic oils; hazardous waste



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#### List of Wastes Code - used product

130110 OIL WASTES AND WASTES OF LIQUID FUELS (EXCEPT EDIBLE OILS, AND THOSE IN CHAPTERS 05, 12 AND 19); waste hydraulic oils; mineral based non-chlorinated hydraulic oils; hazardous waste

#### Contaminated packaging

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company. Do not contaminate the ground or water with waste, do not dispose of waste into the environment

### SECTION 14: Transport information

#### Land transport (ADR/RID)

**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.

#### Inland waterways transport (ADN)

**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.

#### Marine transport (IMDG)

**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.

#### Air transport (ICAO-TI/IATA-DGR)

**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.  
Danger releasing substance: No dangerous good in sense of these transport regulations.

#### 14.6. Special precautions for user

Personal protection equipment: see section 8

#### 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

##### EU regulatory information

2010/75/EU (VOC): 0,0  
2004/42/EC (VOC): 0,0  
Information according to 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

##### National regulatory information

Water hazard class (D): 1 - slightly hazardous to water

#### 15.2. Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out:

Amine phosphate



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#### SECTION 16: Other information

##### Changes

This data sheet contains changes from the previous version in section(s): 1,2,4,9,15,16.

AICS (Australien), DSL (Kanada), IECSC (China), REACH (Europäische Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (Neuseeland), PICCS (Philippinen), TSCA (USA)

##### Abbreviations and acronyms

CLP: Classification, labelling and Packaging

REACH: Registration, Evaluation and Authorization of Chemicals

GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals

UN: United Nations

CAS: Chemical Abstracts Service

DNEL: Derived No Effect Level

DMEL: Derived Minimal Effect Level

PNEC: Predicted No Effect Concentration

ATE: Acute toxicity estimate

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

LL50: Lethal loading, 50%

EL50: Effect loading, 50%

EC50: Effective Concentration 50%

ErC50: Effective Concentration 50%, growth rate

NOEC: No Observed Effect Concentration

BCF: Bio-concentration factor

PBT: persistent, bioaccumulative, toxic

vPvB: very persistent, very bioaccumulative

ADR: Accord européen sur le transport des marchandises dangereuses par Route  
(European Agreement concerning the International Carriage of Dangerous Goods by Road )

RID: Regulations concerning the international carriage of dangerous goods by rail

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
(Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)

IMDG: International Maritime Code for Dangerous Goods

EmS: Emergency Schedules

MFAG: Medical First Aid Guide

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

MARPOL: International Convention for the Prevention of Marine Pollution from Ships

IBC: Intermediate Bulk Container

VOC: Volatile Organic Compounds

SVHC: Substance of Very High Concern

Repr. - Reproduktionstoxizität

Asp. Tox. - Aspirationstoxizität

Acute Tox. - Akute Toxizität

Aquatic Acute - Akute aquatische Toxizität

Aquatic Chronic - Chronische aquatische Toxizität

Eye Dam. - Augenschaden/-reizung

Eye Irrit. - Augenreizung

Skin Corr. - Ätzwirkung auf die Haut

Skin Irrit. - Hautreizung

Skin Sens. - Hautallergen

Resp. Sens. - Inhalationsallergen

STOT SE - Spezifische Zielorgan-Toxizität - einmalige Exposition

STOT RE - Spezifische Zielorgan-Toxizität - wiederholte Exposition

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VOC - Flüchtige organische Verbindungen

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**Relevant H and EUH statements (number and full text)**

H302	Harmful if swallowed.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H411	Toxic to aquatic life with long lasting effects.
EUH208	Contains Amine phosphate. May produce an allergic reaction.
EUH210	Safety data sheet available on request.

**Further Information**

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights.

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*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*