

## SAFETY DATA SHEET

acc.to ISO/DIS 11014 for USA

### 1 PRODUCT AND COMPANY IDENTIFICATION

#### 1.1 Product identifier

**Product name:** STABYLAN 5020

**Other means of identification:** For further information, please refer to section 9 of the SDS.

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

**Identified uses:** Lubricant

**Uses advised against:** No uses advised against identified.

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

##### Manufacturer

FUCHS LUBRITECH GmbH  
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### 2 HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

##### Health Hazards

Skin sensitizer Category 1

##### Environmental Hazards

Acute hazards to the aquatic environment Category 3

Chronic hazards to the aquatic environment Category 3

##### Hazard summary

**Physical Hazards:** No data available.

Product name: STABYLAN 5020

## 2.2 Label Elements



**Signal Words:** Warning

**Hazard Statement(s):** H317: May cause an allergic skin reaction.  
H412: Harmful to aquatic life with long lasting effects.

### Precautionary Statements

**Prevention:** P272: Contaminated work clothing should not be allowed out of the workplace.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P273: Avoid release to the environment.

**Response:** P302+P352: IF ON SKIN: Wash with plenty of water.  
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.  
P321: Specific treatment (see on this label).  
P363: Wash contaminated clothing before reuse.

**Disposal:** P501: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

**2.3 Other hazards:** The product may not be released into the environment without control. By handling of chemical products no particular hazard is known when normal precautions (item 7) and personal protective equipment (item 8) are kept.

**Unknown toxicity:** Due to information available product does not contain any ingredients of unknown toxicity.

## 3 COMPOSITION / INFORMATION ON INGREDIENTS

**General information:** Mixture of the substances listed below with harmless additions.

Chemical name	Identifier	Concentration *	Notes
Triaryl phosphate, alkylated	68937-40-6	1.00 - <2.50%	
Amine aromatic , alkylated	68411-46-1	1.00 - <5.00%	
N-1-naphthylanilin	90-30-2	0.25 - <1.00%	

\* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.  
PBT: persistent, bioaccumulative and toxic substance.  
vPvB: very persistent and very bioaccumulative substance.

**Product name:** STABYLAN 5020

#### Classification

Chemical name	Identifier	Classification
Triaryl phosphate, alkylated	68937-40-6	Aquatic Chronic 2;H411
Amine aromatic , alkylated	68411-46-1	Aquatic Chronic 3;H412
N-1-naphthylanilin	90-30-2	STOT RE 2;H373, Aquatic Chronic 1;H410, Acute Tox. 4;H302, Skin Sens. 1;H317

#### 4 FIRST AID MEASURES

**General:** Change clothes and shoes contaminated or soaked by the product. Never put rags contaminated by the product into clothing pockets.

##### 4.1 Description of first aid measures

**Inhalation:** Supply fresh air; consult doctor in case of symptoms.

**Eye contact:** Promptly wash eyes with plenty of water while lifting the eye lids.

**Skin Contact:** Wash with soap and water. The product is not skin irritating.

**Ingestion:** Rinse mouth thoroughly.

**4.2 Most important symptoms and effects, both acute and delayed:** May cause skin and eye irritation.

**4.3 Indication of any immediate medical attention and special treatment needed** Get medical attention if symptoms occur.

#### SECTION 5: Firefighting measures

##### 5.1 Extinguishing media

**Suitable extinguishing media:** CO<sub>2</sub>, fire extinguishing powder or fog like water spraying. Extinguish larger fires with alcohol resistant foam or spray water with suitable surfactant added

**Unsuitable extinguishing media:** Water with a full water jet.

**5.2 Special hazards arising from the substance or mixture:** During fire, gases hazardous to health may be formed.

##### 5.3 Advice for firefighters

**Special fire fighting procedures:** No data available.

**Special protective equipment for fire-fighters:** Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

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#### SECTION 6: Accidental release measures

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|---|---|
| <b>6.1 Personal precautions, protective equipment and emergency procedures:</b> | In case of spills, beware of slippery floors and surfaces.  |
| <b>6.2 Environmental Precautions:</b>   | Avoid release to the environment. Prevent further leakage or spillage if safe to do so.   |
| <b>6.3 Methods and material for containment and cleaning up:</b>                | Scrape up spillage or absorb with absorbing material. Stop the flow of material, if this is without risk. Dispose of the material collected according to regulations. |
| <b>6.4 Reference to other sections:</b>   | See Section 8 of the SDS for Personal Protective Equipment. See Section 7 for information on safe handling See Section 13 for information on disposal.                |

#### SECTION 7: Handling and storage:

- |  |  |
|--|--|
| <b>7.1 Precautions for safe handling:</b>                                | Provide adequate ventilation. Observe good industrial hygiene practices. Do not eat, drink or smoke when working with the product. Take usual precautions when handling mineral oil products or chemical products. |
| <b>7.2 Conditions for safe storage, including any incompatibilities:</b> | Local regulations concerning handling and storage of waterpolluting products have to be followed.  |
| <b>7.3 Specific end use(s):</b>  | Not applicable   |

#### 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

##### 8.1.Exposure Limits

None of the components have assigned exposure limits.

##### 8.2.Exposure controls

###### Appropriate engineering controls:

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

###### Individual protection measures, such as personal protective equipment

###### General information:

Wash hands before breaks and after work. Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment. The usual precautionary measures should be adhered to in handling the chemicals or the mineral oil products.

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<b>Eye/face protection:</b>	Safety glasses (EN 166) recommended during refilling.
<b>Skin protection</b>	
<b>Hand Protection:</b>	Material: Nitrile-butadiene rubber (NBR). Avoid long-term and repeated skin contact. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed. Suitable gloves can be recommended by the glove supplier. Use skin protection cream for preventive skin protection.
<b>Other:</b>	Do not carry cleaning cloths impregnated with the product in trouser pockets. Wear suitable protective clothing.
<b>Respiratory Protection:</b>	Seek advice from local supervisor. Ensure good ventilation/exhaustion at the workplace. Avoid breathing vapour/ aerosol.
<b>Thermal hazards:</b>	No data available.
<b>Hygiene measures:</b>	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.
<b>Environmental Controls:</b>	No data available.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

<b>Physical state:</b>	liquid
<b>Color:</b>	Yellow
<b>Odor:</b>	Characteristic
<b>Odor Threshold:</b>	Not applicable for mixtures
<b>pH:</b>	not applicable
<b>Freezing point:</b>	Not applicable for mixtures
<b>Boiling Point:</b>	Value not relevant for classification
<b>Flash Point:</b>	> 250 °C
<b>Evaporation Rate:</b>	Not applicable for mixtures
<b>Flammability (solid, gas):</b>	Value not relevant for classification
<b>Flammability Limit - Upper (%)—:</b>	Not applicable for mixtures
<b>Flammability Limit - Lower (%)—:</b>	Not applicable for mixtures
<b>Vapor pressure:</b>	Not applicable for mixtures
<b>Vapor density (air=1):</b>	Not applicable for mixtures
<b>Density:</b>	0.97 g/cm <sup>3</sup> (20 °C)
<b>Solubility(ies)</b>	
<b>Solubility in Water:</b>	No data available.
<b>Solubility (other):</b>	No data available.
<b>Partition coefficient (n-octanol/water):</b>	Not applicable for mixtures
<b>Autoignition Temperature:</b>	Value not relevant for classification
<b>Decomposition Temperature:</b>	Value not relevant for classification

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<b>Kinematic viscosity:</b>	225 mm <sup>2</sup> /s (40 °C)
<b>Explosive properties:</b>	Value not relevant for classification
<b>Oxidizing properties:</b>	Value not relevant for classification
<b>9.2 Other information</b>	No data available.

#### SECTION 10: Stability and reactivity

<b>10.1 Reactivity:</b>	Stable under normal temperature conditions and recommended use.
<b>10.2 Chemical Stability:</b>	No data available.
<b>10.3 Possibility of hazardous reactions:</b>	None under normal conditions.
<b>10.4 Conditions to avoid:</b>	Avoid heat or contamination.
<b>10.5 Incompatible Materials:</b>	Strong oxidizing substances. Strong acids. Strong bases.
<b>10.6 Hazardous Decomposition Products:</b>	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

#### 11 TOXICOLOGICAL INFORMATION

##### Information on likely routes of exposure

<b>Inhalation:</b>	No data available.
<b>Ingestion:</b>	No data available.
<b>Skin Contact:</b>	No data available.
<b>Eye contact:</b>	No data available.

##### Acute toxicity

###### Oral

###### Product:

Not classified for acute toxicity based on available data.

###### Specified substance(s)

Triaryl phosphate, alkylated	LD 50 (Rat): > 5,000 mg/kg
Amine aromatic , alkylated	LD 50 (Rat): > 5,001 mg/kg
N-1-naphthylanilin	LD 50 (Rat): 1,625 mg/kg

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**Dermal**

**Product:**

ATEmix: 5,483.65 mg/kg

**Specified substance(s)**

N-1-naphthylanilin

LD 50 (Rabbit): > 5,000 mg/kg

**Inhalation**

**Product:**

Not classified for acute toxicity based on available data.

**Specified substance(s)**

Triaryl phosphate,  
alkylated

LC 50 (Rat, 4 h): > 200 mg/l

**Skin Corrosion/Irritation:**

**Product:**

Based on available data, the classification criteria are not met.

**Specified substance(s)**

N-1-naphthylanilin

OECD 404 (Rabbit, 24 h): Not irritant.

**Serious Eye Damage/Eye Irritation:**

**Product:**

Based on available data, the classification criteria are not met.

**Specified substance(s)**

N-1-naphthylanilin

OECD 405 (Rabbit, 24 h): Not irritant.

**Respiratory or Skin Sensitization:**

**Product:**

Skin sensitizer: Based on available data, the classification criteria are met.  
Respiratory sensitizer: Based on available data, the classification criteria are not met.

**Specified substance(s)**

N-1-naphthylanilin

, OECD 406-1 (Guinea Pig) May cause sensitization by skin contact.

**Germ Cell Mutagenicity**

**Product:**

Based on available data, the classification criteria are not met.

**Carcinogenicity**

**Product:**

Based on available data, the classification criteria are not met.

**IARC: IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:**

No carcinogenic components identified

**NTP: US. National Toxicology Program (NTP) Report on Carcinogens:**

No carcinogenic components identified

**OSHA: US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):**

No carcinogenic components identified

**Reproductive toxicity**

**Product:**

Based on available data, the classification criteria are not met.

**Product name:** STABYLAN 5020

**Specific Target Organ Toxicity - Single Exposure**

**Product:** Based on available data, the classification criteria are not met.

**Specific Target Organ Toxicity - Repeated Exposure**

**Product:** Based on available data, the classification criteria are not met.

**Aspiration Hazard**

**Product:** Based on available data, the classification criteria are not met.

**12 ECOLOGICAL INFORMATION**

**12.1 Toxicity**

**Acute toxicity**

**Product:** Based on available data, the classification criteria are met.

**Fish**

**Specified substance(s)**

Triaryl phosphate, alkylated LC 50 (Fish, 96 h): 3.4 mg/l

N-1-naphthylanilin LC 50 (Fish, 96 h): 0.44 mg/l

**Aquatic Invertebrates**

**Specified substance(s)**

Triaryl phosphate, alkylated EC 50 (Water Flea, 48 h): 3.9 mg/l

Amine aromatic, alkylated EC 50 (Water Flea, 48 h): 51 mg/l

N-1-naphthylanilin EC 50 (Water Flea, 48 h): 0.32 mg/l (OECD 202)

**Chronic ToxicityProduct:** Based on available data, the classification criteria are met.

**Aquatic Invertebrates**

**Specified substance(s)**

N-1-naphthylanilin NOEC (Water Flea, 21 d): 0.025 mg/l

**Toxicity to Aquatic Plants**

**Specified substance(s)**

N-1-naphthylanilin EC 50 (Alga, 72 h): 0.25 mg/l

**12.2 Persistence and Degradability**

**Biodegradation**

**Product:** Not applicable for mixtures

**Specified substance(s)**

N-1-naphthylanilin 0 % (OECD 301C) Not readily degradable.

**12.3 Bioaccumulative potential**

**Product:** Not applicable for mixtures



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**Product name:** STABYLAN 5020

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**12.4 Mobility in soil:**

**Product:** Not applicable for mixtures

**12.5 Results of PBT and vPvB assessment:**

The product does not contain any substances fulfilling the PBT/vPvB criteria.

**12.6 Other adverse effects:**

Harmful to aquatic life with long lasting effects.

**13 Disposal considerations**

**13.1 Waste treatment methods**

**General information:** Dispose in accordance with all applicable regulations.

**Disposal methods:** Discharge, treatment, or disposal may be subject to national, state, or local laws.

**14 TRANSPORT INFORMATION**

**DOT**

Not regulated.

**IMDG - International Maritime Dangerous Goods Code**

Not regulated.

**IATA**

Not regulated.

**15 REGULATORY INFORMATION**

**US Federal Regulations**

**US State Regulations**

**Inventory Status**

DSL	On or in compliance with the inventory
NDSL	Not in compliance with the inventory.
TSCA	On or in compliance with the inventory

**16 OTHER INFORMATION**

**Revision Information:**

Vertical lines in the margin indicate an amendment.

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**Product name:** STABYLAN 5020

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**Wording of the H-statements in section 2 and 3**

H302	Harmful if swallowed.
H317	May cause an allergic skin reaction.
H373	May cause damage to organs through prolonged or repeated exposure.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

**Training information:** Follow training instructions when handling this material.

**Revision Date:** 24.04.2018

**Disclaimer:** The data contained in this safety data sheet are based on our current knowledge and experience and are given to the best of our knowledge and belief. It characterizes the product only with regard to safety requirements for handling, transport and disposal. The data do not describe the product's properties (tech. product specification). Neither should any agreed property nor the suitability of the product for any specific technical application be deduced from the data contained in this safety data sheet. Modifications on this document are not allowed. The data are not transferable to other products. In the case of mixing the product with other products or in the case of processing, the data in this safety data sheet are not necessarily valid for the new-made material. It is the responsibility of the recipient of the product to observe federal, state and local law. Please contact us to obtain up-to-date safety data sheets. This document was issued electronically and has no signature.