

SAFETY DATA SHEET

Classified in accordance with Health Canada Hazardous Products Regulations (SOR/2015-17)

1 PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier

Product name: TITAN SINTOPOID 4218 70W-80

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

1.2 Recommended use and restriction on use

Recommended use: Lubricant

Restrictions on use: No uses advised against identified.

US Distributor
Fuchs Lubricants Co.
17050 Lathrop Avenue
Harvey, IL 60426
(708) 333-8900
(800) 255-3924 24 hrs
Emergency

1.3 Details of the supplier of the safety data sheet

Manufacturer / Supplier FUCHS LUBRICANTS GERMANY GmbH
Friesenheimer Str. 19
68169 Mannheim
Telephone: +49 621 3701-0 (ZENTRALE)
Fax: +49 621 3701-570

1.4 Emergency telephone number: +49 621 3701-0 (Mo - Fr 08:00 am - 04:00 pm, GMT + 1)

2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

The product has been classified and labelled as hazardous according to the legislation in force.

Health Hazards

Serious Eye Damage/Eye Irritation

Category 2

2.2 Label Elements



Signal Words: Warning

Hazard Statement(s): H319: Causes serious eye irritation.

Precautionary Statements

Prevention: P264: Wash face, hands and any exposed skin thoroughly after handling.

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

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

3 COMPOSITION / INFORMATION ON INGREDIENTS

3.2 Mixtures

General information: Mixture of synthetic base oils with additives.

Chemical name	Identifier	Concentration (%w/w)	Notes
Hydrocarbons, low viscous	68037-01-4	10.00 - 30.00	
organic Polysulphide	68937-96-2	1.00 - 5.00	
Phosphoric acid ester, amine salt	61188-14-5	0.50 - 1.50	
Heterocyclic N-compound	95-38-5	0.10 - 1.00	

A specific chemical identity and/or percentage of composition has been withheld as a trade secret.

PBT: persistent, bioaccumulative and toxic substance.

vPvB: very persistent and very bioaccumulative substance.

Classification

Chemical name	Identifier	Classification
Hydrocarbons, low viscous	68037-01-4	Asp. Tox. 1;H304
organic Polysulphide	68937-96-2	Skin Sens. 1B;H317, Aquatic Chronic 3;H412
Phosphoric acid ester, amine salt	61188-14-5	Eye Dam. 1;H318
Heterocyclic N-compound	95-38-5	Skin Corr. 1C;H314, Eye Dam. 1;H318, STOT RE 2;H373, Aquatic Acute 1;H400, Aquatic Chronic 1;H410, Acute Tox. 4;H302; M-Factor (aquatic acute): 10; M-Factor (aquatic chronic): 1

4 FIRST AID MEASURES

General: Instantly remove any clothing soiled by the product.

4.1 Description of first aid measures

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

Eye contact: Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention.

Skin Contact: Wash with soap and water.

Ingestion: Rinse mouth thoroughly.

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- 4.2 Most important symptoms and effects, both acute and delayed:** Causes serious 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: CO₂, 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: Move container from fire area if it can be done without risk. Dispose of fire debris and contaminated fire fighting water in accordance with official regulations. Collect contaminated fire fighting water separately. It must not enter drains.

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

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures: In case of spills, beware of slippery floors and surfaces.

6.2 Environmental Precautions: Prevent from spreading (e.g. by binding or oil barriers). Avoid release to the environment. Environmental manager must be informed of all major spillages. Prevent further leakage or spillage if safe to do so. Do not allow to enter drainage system, surface or ground water.

6.3 Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acidbinders, universal binders, sawdust). Dispose of the material collected according to regulations. Stop the flow of material, if this is without risk.

6.4 Reference to other sections: 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.

Dike for later disposal. Prevent entry into waterways, sewer, basements or confined areas. Stop the flow of material, if this is without risk.

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SECTION 7: Handling and storage:

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| 7.1 Precautions for safe handling: | Avoid contact with eyes. Wash hands thoroughly after handling. Do not eat, drink or smoke when working with the product. Take usual precautions when handling mineral oil products or chemical products. Prevent formation of aerosols. Observe good industrial hygiene practices. Provide adequate ventilation. |
| 7.2 Conditions for safe storage, including any incompatibilities: | Local regulations concerning handling and storage of waterpolluting products have to be followed. Do not heat up to temperatures close to the flash point. |
| 7.3 Specific end use(s): | Not applicable |

8 EXPOSURE CONTROLS / PERSONAL PROTECTION
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8.1.Exposure Limits

Chemical name	Type	Exposure Limit Values	Source
Base oil paraffinic - Mist.	TWA	5 mg/m ³	Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended
Base oil paraffinic - Mist.	STEL	10 mg/m ³	Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended
Base oil paraffinic - Mist.	TWA	5 mg/m ³	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended
Base oil paraffinic - Mist.	STEL	10 mg/m ³	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended
Base oil paraffinic - Mist.	TWA	1 mg/m ³	Canada. British Columbia OELs: Table of Exposure Limits for Chemical Biological Substances (Workers Compensation Board); as amended
Base oil paraffinic - Mist.	STEL	10 mg/m ³	Canada. British Columbia OELs: Table of Exposure Limits for Chemical Biological Substances (Workers Compensation Board); as amended
Base oil paraffinic - Inhalable fraction.	TWA	5 mg/m ³	Canada. New Brunswick OELs: Threshold Limit Values (TLVs) Based on the 2016 ACGIH TLVs and BEIs Publication (New Brunswick Regulation 91-191), as amended (05 2022)
Base oil paraffinic - Mist.	TWA	5 mg/m ³	Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2), as amended (07 2009)
Base oil paraffinic - Mist.	STEL	10 mg/m ³	Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2), as amended (07 2009)
Base oil paraffinic - Mist.	TWA	1 mg/m ³	Canada. British Columbia OELs: Table of Exposure Limits for Chemical Biological Substances (Workers Compensation Board); as amended (05 2013)
Base oil paraffinic - Inhalable fraction.	TWA	5 mg/m ³	Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act), as amended (03 2014)
Base oil paraffinic - Inhalable fraction.	TWA	5 mg/m ³	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (06 2015)
Base oil paraffinic	15 MIN ACL	10 mg/m ³	Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21), as amended (05 2009)
Base oil paraffinic - Inhalable dusts and mists.	TWA	5 mg/m ³	Canada. Quebec OELs. (Ministry of Labor - Regulation respecting

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occupational health and safety), as amended (04 2022)

8.2.Exposure controls

Appropriate engineering controls:

Provide adequate ventilation. 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.

Eye/face protection:

Avoid contact with skin and eyes. Goggles/face shield are recommended. If risk of splashing, wear safety goggles or face shield.

Skin protection

Hand Protection:

Material: Nitrile butyl rubber (NBR).
Min. Breakthrough time: ≥ 480 min
Recommended thickness of the material: ≥ 0.38 mm

Avoid long-term and repeated skin contact. Suitable gloves can be recommended by the glove supplier. Use skin protection cream for preventive skin protection. Protective gloves, where permitted in acc. to safety directions. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Other:

Do not carry cleaning cloths impregnated with the product in trouser pockets. Wear suitable protective clothing.

Respiratory Protection:

Ensure good ventilation/exhaustion at the workplace. Avoid breathing vapour/ aerosol.

Thermal hazards:

No data available.

Hygiene measures:

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.

Environmental Controls:

No data available.

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance

Physical state:

liquid

Form:

liquid

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Color:	Yellow
Odor:	Characteristic
Odor Threshold:	Not applicable for mixtures
pH:	substance/mixture is non-soluble (in water)
Freezing point:	Not applicable for mixtures
Boiling Point:	Value not relevant for classification
Flash Point:	218 °C (DIN EN ISO 2592)
Evaporation Rate:	Not applicable for mixtures
Flammability (solid, gas):	Value not relevant for classification
Explosion Limit - Upper (%):	Not applicable for mixtures
Explosion Limit - Lower (%):	Not applicable for mixtures
Vapor pressure:	Not applicable for mixtures
Relative vapor density:	Not applicable for mixtures
Relative density:	0.85 g/cm ³ (15 °C) (DIN 51757)
Solubility(ies)	
Solubility in Water:	Insoluble in water
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	Not applicable for mixtures
Auto-ignition temperature:	Value not relevant for classification
Decomposition Temperature:	Value not relevant for classification
Kinematic viscosity:	50.2 mm ² /s (40 °C, DIN 53000)
Explosive properties:	Value not relevant for classification
Oxidizing properties:	Value not relevant for classification
9.2 Other information	No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity:	Stable under normal use conditions.
10.2 Chemical Stability:	Stable under normal use conditions.
10.3 Possibility of hazardous reactions:	Stable under normal use conditions.
10.4 Conditions to avoid:	Stable under normal use conditions.
10.5 Incompatible Materials:	Strong oxidizing substances. Strong acids. Strong bases.
10.6 Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

11 TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation: No data available.

Ingestion: No data available.

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Skin Contact: No data available.

Eye contact: Causes eye irritation.

Acute toxicity

Oral

Product:

Not classified for acute toxicity based on available data.

Specified substance(s)

Hydrocarbons, low
viscous

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

organic Polysulphide

LD 50 (Rat): 6,500 mg/kg

Heterocyclic N-compound

LD 50 (Rat): 1,265 mg/kg (OECD 401)

Dermal

Product:

Not classified for acute toxicity based on available data.

Inhalation

Product:

Not classified for acute toxicity based on available data.

Specified substance(s)

Hydrocarbons, low
viscous

LC 50 (Rat, 4 h): > 5 mg/l
Dust and mist

Skin Corrosion/Irritation:

Product:

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

Specified substance(s)

Heterocyclic N-compound

OECD 404 (Rabbit): Corrosive.

Serious Eye Damage/Eye Irritation:

Product:

Based on available data, the classification criteria are met.

Specified substance(s)

Heterocyclic N-compound

OECD 405 (Rabbit): Corrosive.

Respiratory or Skin Sensitization:

Product:

Experimental data has shown that the concentration of potentially sensitizing components present in this product does not induce skin sensitization.

Specified substance(s)

Heterocyclic N-compound

No sensitizing effect (guinea pig); OECD 406

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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

ACGIH: US.ACGIH Threshold Limit Values:

No carcinogenic components identified

Reproductive toxicity

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

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

General information: Not applicable

12.1 Toxicity**Acute toxicity**

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

Fish**Specified substance(s)**

Hydrocarbons, low viscous LC 50 (Fish, 96 h): > 750 mg/l

Phosphoric acid ester, amine salt LC 50 (Fish, 94 h): 75 mg/l

Heterocyclic N-compound LC 50 (Fish, 96 h): 0.3 mg/l (OECD 203)

Aquatic Invertebrates**Specified substance(s)**

Hydrocarbons, low viscous EC 50 (Water Flea, 48 h): 190 mg/l

organic Polysulphide EC 50 (Water Flea, 48 h): 63 mg/l (OECD 202)

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Phosphoric acid ester,
amine salt EC 50 (Water Flea, 48 h): 10 mg/l

Heterocyclic N-compound EC 50 (Water Flea, 48 h): 0.136 mg/l (OECD 202)

Chronic Toxicity

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

Aquatic Invertebrates**Specified substance(s)**

Phosphoric acid ester,
amine salt NOEC (Water Flea, 21 d): 1.6 mg/l

Toxicity to Aquatic Plants**Specified substance(s)**

Hydrocarbons, low
viscous EC 50 (Alga, 72 h): > 1,000 mg/l

organic Polysulphide EC 50 (Alga, 72 h): > 101 mg/l (OECD 201)

Phosphoric acid ester,
amine salt EC 50 (Alga, 72 h): 32 mg/l
NOEC (Alga, 72 h): 5 mg/l

Heterocyclic N-compound EC 50 (Alga, 72 h): 0.03 mg/l (OECD 201)
NOEC (Alga, 72 h): 0.11 mg/l

12.2 Persistence and Degradability**Biodegradation**

Product: Not applicable for mixtures

Specified substance(s)

organic Polysulphide 13 % (28 d, OECD 301B) Not readily degradable.

Heterocyclic N-compound (OECD 301B) The product is not biodegradable.

12.3 Bioaccumulative potential

Product: Not applicable for mixtures

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:

No data available.

13 Disposal considerations

13.1 Waste treatment methods

General information: Dispose in accordance with all applicable regulations.

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Disposal methods: Do not empty into drains; dispose of this material and its container in a safe way. When storing used products, ensure that the waste categories and mixing instructions are observed.

14 TRANSPORT INFORMATION**TDG**

Not Regulated.

IMDG - International Maritime Dangerous Goods Code

Not Regulated.

IATA

Not Regulated.

Transport in bulk according to Annex II of MARPOL and the IBC Code: Not applicable.

15 REGULATORY INFORMATION**Inventory Status**

DSL	On or 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.

Wording of the H-statements in section 2 and 3

H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Revision Date: 23.10.2024

Product name: TITAN SINTOPOID 4218 70W-80

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.