



SAFETY DATA SHEET

acc.to ISO/DIS 11014 for USA

1 PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier

Product name: TITAN EG 5080

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 Schmierstoffe GmbH
Friesenheimer Str. 19
68169 Mannheim

US Distributor

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

Telephone:

+49 621 3701-0 (ZENTRALE)

Fax:

+49 621 3701-570

Contact Person:

Fuchs Schmierstoffe GmbH Abteilung Produktsicherheit

Telephone:

+49 621 3701-1333

Fax:

+49 621 3701-7303

E-mail:

PRODUKTSICHERHEIT@FUCHS-SCHMIERSTOFFE.DE

1.4 US contact telephone :

708-333-8900

Emergency telephone:

800-255-3924

2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Directive 67/548/EEC or 1999/45/EC as amended.

R52/53

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Classification according to Regulation (EC) No 1272/2008 as amended.

Environmental Hazards

Chronic hazards to the aquatic environment

Category 3

H412: Harmful to aquatic life with long lasting effects.

Hazard summary

Physical Hazards:

No data available.

Product name: TITAN EG 5080

2.2 Label Elements

Hazard Statement(s): H412: Harmful to aquatic life with long lasting effects.

Precautionary Statement

Prevention: P273: Avoid release to the environment.

Supplemental label information

EUH208: Contains Alkyl amine, Alkyldithiothiadiazol, long chain. May produce an allergic reaction.

The product has been classified and labelled as hazardous according to regulation (EU) 1272/2008 (CLP).

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.

3 COMPOSITION / INFORMATION ON INGREDIENTS

General information: Mixture of synthetic base oils with additives.

Chemical name	Concentration *	Identifier	REACH Registration No.	Notes
Alkyl amine	0.25 - <1.00%	68955-53-3	01-2119456798-18	
Alkyl dithiophosphate	0.25 - <1.00%			
Alkyldithiothiadiazol, long chain	0.10 - <1.00%	50530-43-3		

* 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.

Classification

Chemical name	Classification
Alkyl amine	CLP: , Skin Corr. 1B; H314, Aquatic Acute 1; H400, Aquatic Chronic 1; H410, Skin Sens. 1A; H317, STOT SE 3; H335
Alkyl dithiophosphate	CLP: Aquatic Acute 1; H400, Aquatic Chronic 1; H410, Eye Irrit. 2; H319
Alkyldithiothiadiazol, long chain	CLP: Skin Sens. 1B; H317

DSD: Directive 67/548/EEC.

CLP: Regulation No. 1272/2008.

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.

Product name: TITAN EG 5080

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

- Hazards:** No data available.
- Treatment:** 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:** No data available.
- 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: Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Prevent from spreading (e.g. by binding or oil barriers).

Product name: TITAN EG 5080

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acidbinders, universal binders, sawdust).

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.

SECTION 7: Handling and storage:

7.1 Precautions for safe handling:

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.

7.2 Conditions for safe storage, including any incompatibilities:

Local regulations concerning handling and storage of waterpolluting products have to be followed. Prevent formation of aerosols. Do not heat up to temperatures close to the flash point.

7.3 Specific end use(s):

not applicable

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1.Exposure Limits

Chemical name	type	Exposure Limit Values	Source
Base oil - Inhalable fraction.	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (03 2014)

8.2.Exposure controls

Appropriate engineering controls:

No data available.

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 inhandling the chemicals or the mineral oil products.

Eye/face protection:

Safety glasses (EN 166) recommended during refilling.

Product name: TITAN EG 5080

Skin protection

Hand Protection:

Nitrile butyl rubber (NBR). 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:

In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor. 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

Color:

Yellow

Odor:

Characteristic

Odor Threshold:

No data available.

pH:

not applicable

Freezing point:

No data available.

Boiling Point:

No data available.

Flash Point:

223 °C

Evaporation Rate:

No data available.

Flammability (solid, gas):

No data available.

Flammability Limit - Upper (%)—:

No data available.

Flammability Limit - Lower (%)—:

No data available.

Vapor pressure:

No data available.

Vapor density (air=1):

No data available.

Density:

0.84 g/ml (15.00 °C) (DIN 51757)

Solubility(ies)

Solubility in Water:

Insoluble in water

Solubility (other):

No data available.

Product name: TITAN EG 5080

Partition coefficient (n-octanol/water):	No data available.
Autoignition Temperature:	No data available.
Decomposition Temperature:	No data available.
Kinematic viscosity:	96.5 mm ² /s (40.00 °C, DIN 51562-1)
Explosive properties:	No data available.
Oxidizing properties:	No data available.
9.2 Other information	No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity:	Stable under normal temperature conditions and recommended use.
10.2 Chemical Stability:	No data available.
10.3 Possibility of hazardous reactions:	None under normal conditions.
10.4 Conditions to avoid:	Avoid heat or contamination.
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

Acute toxicity

Oral

Product:

Not classified for acute toxicity based on available data.
ATEmix: 20,010 mg/kg

Specified substance(s)

Alkyl amine	No data available.
Alkyl dithiophosphate	No data available.
Alkyldithiothiadiazol, long chain	No data available.

Dermal

Product:

ATEmix: 30,150.75 mg/kg

Not classified for acute toxicity based on available data.

Specified substance(s)

Alkyl amine	No data available.
Alkyl dithiophosphate	No data available.
Alkyldithiothiadiazol, long chain	No data available.

Product name: TITAN EG 5080

**Inhalation
Product:**

ATEmix: 51.26 mg/l
Vapour

Not classified for acute toxicity based on available data.

Specified substance(s)

Alkyl amine	No data available.
Alkyl dithiophosphate	No data available.
Alkyldithiothiadiazol, long chain	No data available.

Inhalation: No data available.

Ingestion: No data available.

Skin Corrosion/Irritation: No data available.

Serious Eye Damage/Eye Irritation: No data available.

Respiratory sensitizer/Skin sensitizer: No data available.

The following components have been identified as sensitizers

Name
Alkyl amine
Alkyldithiothiadiazol, long chain

Carcinogenicity: No data available.

Mutagenesis: No data available.

Reproductive toxicity: No data available.

No teratogenic components

12 ECOLOGICAL INFORMATION

12.1 Toxicity

Acute toxicity

Fish

Product: No data available.

Product name: TITAN EG 5080

Specified substance(s)

Alkyl amine	No data available.
Alkyl dithiophosphate	No data available.
Alkyldithiothiadiazol, long chain	No data available.

Aquatic Invertebrates

Product: No data available.

Specified substance(s)

Alkyl amine	No data available.
Alkyl dithiophosphate	No data available.
Alkyldithiothiadiazol, long chain	No data available.

Chronic Toxicity

Fish

Product: No data available.

Specified substance(s)

Alkyl amine	No data available.
Alkyl dithiophosphate	No data available.
Alkyldithiothiadiazol, long chain	No data available.

Aquatic Invertebrates

Product: No data available.

Specified substance(s)

Alkyl amine	No data available.
Alkyl dithiophosphate	No data available.
Alkyldithiothiadiazol, long chain	No data available.

Toxicity to Aquatic Plants

Product: No data available.

Specified substance(s)

Alkyl amine	No data available.
Alkyl dithiophosphate	No data available.
Alkyldithiothiadiazol, long chain	No data available.

12.2 Persistence and Degradability

Biodegradation

Product: No data available.

Specified substance(s)

Product name: TITAN EG 5080

Alkyl amine	No data available.
Alkyl dithiophosphate	No data available.
Alkyldithiothiadiazol, long chain	No data available.

12.3 Bioaccumulative Potential

Product: No data available.

Specified substance(s)

Alkyl amine	No data available.
Alkyl dithiophosphate	No data available.
Alkyldithiothiadiazol, long chain	No data available.

12.4 Mobility in Soil: No data available.

Known or predicted distribution to environmental compartments

Alkyl amine	No data available.
Alkyl dithiophosphate	No data available.
Alkyldithiothiadiazol, long chain	No data available.

12.5 Results of PBT and vPvB assessment: No data available.

Alkyl amine	No data available.
Alkyl dithiophosphate	No data available.
Alkyldithiothiadiazol, long chain	No data available.

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.

Product name: TITAN EG 5080

IATA

Not regulated.

15 REGULATORY INFORMATION

US Federal Regulations

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

SARA 304 Emergency Release Notification

None present or none present in regulated quantities.

SARA 311/312 Hazardous Chemical:

None present or none present in regulated quantities.

SARA 313 (TRI Reporting)

None present or none present in regulated quantities.

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 R-phrases and H-statements in section 2 and 3

H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H335	May cause respiratory irritation.
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.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Training information: Follow training instructions when handling this material.

Other information: The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies. The classification results from the Conventional Method

Product name: TITAN EG 5080

mentioned in regulation EU 1272/2008 (CLP).

Revision Date:

26.11.2015

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.