

SAFETY DATA SHEET

acc.to ISO/DIS 11014 for USA

1 PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Product name: FK 07929

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

Identified uses: Additive

Uses advised against: No uses advised against identified.

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

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Contact Person:

Fuchs Schmierstoffe GmbH Abteilung Produktsicherheit

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708-333-8900

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800-255-3924

2 HAZARDS IDENTIFICATION

Classification of the substance or mixture

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

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

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

Hazard summary

Physical 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.

Health hazards

Inhalation:

No data available.

Eye contact:

No data available.

Skin contact:

No data available.

Ingestion:

No data available.

Other Health Effects:

No data available.

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Environmental hazards: This product is water polluting.

Label elements



Dangerous for the environment

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

Avoid release to the environment. Refer to special instructions/safety data sheets.

Contains: Triazole amine derivative, Tolutriazole derivative. May produce an allergic reaction.

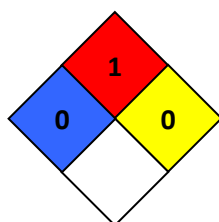
Other hazards:
HMIS Hazard ID

No data available.

HEALTH	0
FLAMMABILITY	1
PHYSICAL HAZARDS	0
PERSONAL PROTECTION	

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; *Chronic health effect

NFPA Hazard ID



Flammability
Health
Reactivity
Special hazard.

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe

3 COMPOSITION / INFORMATION ON INGREDIENTS

Mixtures

General information:

Chemical name	Concentration *	Identifier	Notes
Organic polysulphide	>=50.00 - <99.00%	68425-15-0	
phosphoric ester derivative	>=5.00 - <10.00%	Confidential	
phenolic antioxidant	>=5.00 - <10.00%	128-37-0	
Amine aromatic , alkylated	>=2.40 - <5.00%	Confidential	

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Triazole derivative	>=1.00 - <2.40%	94270-86-7	
Triazole amine derivative	>=1.00 - <2.40%	91273-04-0	
Oleic acid derivative	>=1.00 - <2.40%	110-25-8	

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

This substance has workplace exposure limit(s).

Classification

Chemical name	Classification		
Organic polysulphide	CLP:	Aquatic Chronic 4;H413	
phosphoric ester derivative	CLP:	Skin Irrit. 2;H315, Eye Dam. 2;H319, Aquatic Chronic 2;H411	
phenolic antioxidant	CLP:	Aquatic Chronic 1;H410	
Amine aromatic , alkylated	CLP:	Aquatic Chronic 3;H412	
Triazole derivative	CLP:	Skin Irrit. 2;H315, Skin Sens. 1;H317, Aquatic Chronic 2;H411	
Triazole amine derivative	CLP:	Skin Corr. 1B;H314, Skin Sens. 1;H317, Aquatic Chronic 2;H411	
Oleic acid derivative	CLP:	Eye Dam. 1;H318, Aquatic Acute 1;H400, Acute Tox. 4;H332, Skin Irrit. 2;H315	

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 cloth-pockets.

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.

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

Indication of any immediate medical attention and special treatment needed

Hazards: No data available.

Treatment: Get medical attention if symptoms occur.

5 FIRE-FIGHTING MEASURES

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 tensides added

Unsuitable extinguishing media: Water with a full water jet.

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

Advice for firefighters

Special fire fighting procedures: No data available.

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

6 ACCIDENTAL RELEASE MEASURES

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

Environmental precautions: Prevent from spreading (e.g. by binding or oil barriers).

Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acidbinders, universal binders, sawdust).

Reference to other sections: See Section 8 of the MSDS for Personal Protective Equipment. See Section 7 for information on safe handling See Section 13 for information on disposal.

7 HANDLING AND STORAGE

Precautions for safe handling: Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities: Local regulations concerning handling and storage of waterpolluting products have to be followed. Prevent formation of aerosols.

Specific end use(s): Not applicable

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits

Chemical name	Type	Exposure Limit values	Source
phenolic antioxidant - Inhalable fraction and vapor.	TWA	2 mg/m ³	US. ACGIH Threshold Limit Values (02 2012)
phenolic antioxidant	TWA	10 mg/m ³	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)

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 in handling the chemicals or the mineral oil products.

Eye/face protection: Safety glasses (EN 166) recommended during refilling.

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Skin protection

Hand protection:

Use suitable protective gloves if risk of skin contact. 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

Appearance

Physical State:

Liquid

Form:

Liquid

Color:

Yellow

Odor:

Characteristic

Odor Threshold:

No data available.

pH:

6.0 (10 g/l, 25 °C)

Freezing point:Melting Point:

No data available.

Boiling Point:

No data available.

Flash Point:

129 °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:

0.99 g/cm³ (20 °C)

Solubility(ies)

Solubility in Water:

Soluble

Solubility (other):

No data available.

Partition coefficient (n-octanol/water):

No data available.

Autoignition Temperature:

No data available.

Decomposition Temperature:

No data available.

Kinematic viscosity:

147 mm²/s (40 °C)

Flow time

No data available.

Explosive properties:

No data available.

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Oxidizing properties: No data available.

10 STABILITY AND REACTIVITY

Reactivity: Stable under normal temperature conditions and recommended use.

Chemical stability: No data available.

Possibility of hazardous reactions: None under normal conditions.

Conditions to avoid: Avoid heat or contamination.

Incompatible materials: Strong oxidizing substances. Strong acids. Strong bases.

Hazardous decomposition products: Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

11 TOXICOLOGICAL INFORMATION

Specified substance(s):

Acute Toxicity (Oral);

Name	Test results
phosphoric ester derivative	LD 50 (Rat): > 2,000 mg/kg
phenolic antioxidant	LD 50 (Rat): 2,930 mg/kg
Amine aromatic , alkylated	LD 50 (Rat): > 2,000 mg/kg
Triazole amine derivative	LD 50 (Rat): 2,350 mg/kg

Acute Toxicity (Dermal):

Name	Test results
phosphoric ester derivative	LD 50 (Rat): > 2,000 mg/kg
Amine aromatic , alkylated	LD 50 (Rat): > 2,000 mg/kg
Triazole amine derivative	LD 50 (Rat): > 2,000 mg/kg

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 sensitizing effect (guinea pig); OECD 406

The following components have been identified as sensitizers

Name
Triazole amine derivative
Tolutriazole derivative

Carcinogenicity: No data available.

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Mutagenesis: No data available.

Reproductive toxicity: No data available.

12 ECOLOGICAL INFORMATION

Ecotoxicity:

Specified substance(s):

Acute toxicity(Fish):

Name	Test results
phosphoric ester derivative	LC 50 (Fish, 96 h): 5.5 mg/l
Amine aromatic , alkylated	LC 50 (Fish, 96 h): > 71 mg/l
Triazole amine derivative	LC 50 (Fish, 96 h): 1.1 mg/l

Acute toxicity(Aquatic invertebrates):

Name	Test results
phosphoric ester derivative	EC 50 (Water Flea, 48 h): 1.2 mg/l
Amine aromatic , alkylated	EC 50 (Water Flea, 48 h): 51 mg/l
Triazole amine derivative	EC 50 (Water Flea, 24 h): 9.3 mg/l

Acute toxicity(Aquatic plants):

Name	Test results
Triazole amine derivative	EC 50 (Alga): > 0.96 mg/l

Persistence and degradability: No data available.

Bioaccumulative potential: No data available.

Mobility: No data available.

13 DISPOSAL CONSIDERATIONS

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.

Measures for Avoidance and Recovery: Dispose in accordance with all applicable regulations.

14 TRANSPORT INFORMATION

IMDG - International Maritime Dangerous Goods Code

UN number:	UN 3082
UN proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(2,6-di-tert.-butyl-p-cresol, Triazole derivative)
Transport hazard class(es):	9
Subsidiary risk label:	—
Packing group:	III
Label(s):	9
Marine Pollutant:	Marine pollutant
EmS No.:	F-A; S-F

Product name: FK 07929

IATA

UN number:	UN 3082
Proper Shipping Name:	Environmentally hazardous substance, liquid, n.o.s.(2,6-di-tert.-butyl-p-cresol, Triazole derivative)
Transport hazard class(es):	9
Subsidiary risk label:	—
Packing group:	III
Label(s):	9MI

15 REGULATORY INFORMATION

US federal regulations

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

CERCLA Hazardous Substance List (40 CFR 302.4):

Superfund amendments and reauthorization act of 1986 (SARA)

Hazard categories

Not listed.

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:

SARA 313 (TRI reporting)

None present or none present in regulated quantities.

Other federal regulations

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):

None present or none present in regulated quantities.

US state regulations

US. California Proposition 65

No ingredient regulated by CA Prop 65 present.

US. New Jersey Worker and Community Right-to-Know Act

phenolic antioxidant	Listed
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US. Massachusetts RTK - Substance List

phenolic antioxidant	Listed
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US. Pennsylvania RTK - Hazardous Substances

phenolic antioxidant	Listed
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US. Rhode Island RTK

No ingredient regulated by RI Right-to-Know Law present.

Inventory Status

DSL	y
TSCA	y

Product name: FK 07929

16 OTHER INFORMATION

Revision Information:

Revision date: 21.01.2016

SDS No.:

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.