

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

### 1.1. Product identifier

#### Name of product

CASSIDA FLUID WG 460

### 1.2. Relevant identified uses of the substance or mixture and uses advised against Recommended intended purpose(s)

Lubrication oil

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

#### Manufacturer/distributor

FUCHS LUBRITECH GMBH  
Werner-Heisenberg-Straße 1, D-67661 Kaiserslautern/Germany  
Phone +49 (0) 6301 3206 - 0, Fax +49 (0) 6301 3206 - 940  
E-Mail reach@fuchs-lubritech.de  
Internet www.fuchs-lubritech.com

#### Advice

Product Safety Management  
Phone +49 (0) 6301 3206 - 0  
Fax +49 (0) 6301 3206 - 940  
E-mail (competent person):  
reach@fuchs-lubritech.de

#### US Distributor

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

### 1.4. Emergency telephone number

#### Emergency advice

+49 (0)171 / 4632154  
Phone 06301/3206-808  
This number is only available at office times.

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification according to 67/548/EEC or 1999/45/EC

Xn; R20

#### R-phrases

20 Harmful by inhalation.

#### Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]

Hazard classes and Hazard categories	Hazard Statements	Classification procedure
Acute Tox. 4	H332	

### 2.2. Label elements

#### Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]



GHS07

#### Signal word

Warning

#### Hazard Statements

H332 Harmful if inhaled.

#### Precautionary Statements

P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P271	Use only outdoors or in a well-ventilated area.
P304 + P341	IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P312	Bei Unwohlsein GIFTINFORMATIONSZENTRUM/Arzt anrufen.

### 2.3. Other hazards

No information available.

## SECTION 3: Composition/ information on ingredients

### 3.1. Substances

not applicable

### 3.2. Mixtures

#### Description

Blend of polyalkylene glycol and additives

#### Hazardous ingredients

CAS No	EC No	Name	[% weight]	Classification according to 67/548/EEC
68411-46-1	270-128-1	Anilin, N-Phenyl-, Reaktionsprodukte mit 2,4,4-Trimethylpenten	0,1 - 1	R52/53
80939-62-4	279-632-6	Amines, C11-14-branched alkyl, monoheptyl and diheptyl phosphates	0,1 - 1	Xi R36/38, N R51/53
9003-11-6		Oxirane, methyl-, Polymer mit Oxiran	50 - 70	Xn; R20
CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]
68411-46-1	270-128-1	Anilin, N-Phenyl-, Reaktionsprodukte mit 2,4,4-Trimethylpenten	0,1 - 1	Aqu. chron. 3, H412
80939-62-4	279-632-6	Amines, C11-14-branched alkyl, monoheptyl and diheptyl phosphates	0,1 - 1	Skin Irrit. 2, H315 / Eye Irrit. 2, H319 / Aquatic Chronic 2, H411
9003-11-6		Oxirane, methyl-, Polymer mit Oxiran	50 - 70	Acute Tox. 4, H332

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

Remove contaminated soaked clothing immediately, don't leave to dry.

#### In case of inhalation

Ensure of fresh air.

In the event of symptoms refer for medical treatment.

#### In case of skin contact

Remove mechanically.

In case of contact with skin wash off with soap and water.

Consult a doctor if skin irritation persists.

#### In case of eye contact

In case of contact with eyes rinse with plenty of water carefully. In the event of persistent symptoms seek medical treatment.

#### In case of ingestion

Call doctor in case of indisposition

Do not induce vomiting.

Rinse out mouth and give plenty of water to drink.

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

#### Physician's information / possible symptoms

No symptoms known so far.

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

#### Treatment (Advice to doctor)

Treat symptoms.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Alcohol-resistant foam

Dry powder

Carbon dioxide

Water spray jet

#### Unsuitable extinguishing media

Full water jet

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

Fire gas of organic material has to be classed invariably as respiratory poison.

Aldehyde

Carbon monoxide (CO)

Carbon dioxide (CO<sub>2</sub>)

## 5.3. Advice for firefighters

### Special protective equipment for fire-fighters

Use breathing apparatus with independent air supply.

### Additional information

Cool endangered containers with water spray jet.

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### For non-emergency personnel

Use personal protective clothing.

High risk of slipping due to leakage/spillage of product.

### 6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

Prevent spread over a wide area (e.g. by containment or oil barriers).

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

Pump off larger quantity.

Take up with absorbent material (e.g. sand, kieselguhr, acid binder, general-purpose binder, sawdust).

Send in suitable containers for recovery or disposal.

### Additional Information

Informations for disposal see chapter 13.

### 6.4. Reference to other sections

No information available.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Advice on safe handling

Avoid formation of aerosols.

Care for suitable extraction / ventilation at processing machines.

#### General protective measures

Avoid contact with eyes and skin

#### Hygiene measures

At work do not eat, drink, smoke or take drugs.

Follow general rules of industrial hygiene for safe handling of chemical products

Remove soiled or soaked clothing immediately.

Work in rooms with good ventilation.

Wash hands before breaks and after work.

#### Advice on protection against fire and explosion

Pay attention to general rules of internal fire prevention.

### 7.2. Conditions for safe storage, including any incompatibilities

#### Requirements for storage rooms and vessels

Keep only in original container.

#### Advice on storage compatibility

Do not store together with oxidizing agents.

Do not store together with reducing agents.

#### Further information on storage conditions

Keep container tightly closed, store at cool and aired place, open and handle carefully.

Protect from heat and direct solar radiation.

Store in a dry place.

Do not keep at temperatures above 50 °C.

#### Information on storage stability

See technical information about storage of lubricants



**Storage group** 10

**Fire class** B

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

No information available.

**SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

**Additional advice**

As basis for this information served the valid references.

**8.2. Exposure controls**

**Respiratory protection**

Not required at determined application

**Hand protection**

As the product is a preparation of several substances, the actual resistance of the materials used for gloves cannot be scientifically calculated; it is therefore mandatory to check this before using the product.

The break through time depends on the mechanical stress imposed and must therefore be checked individually.

nitrile gloves

butyl rubber gloves

**Eye protection**

safety goggles

**Other protection measures**

Usual working clothes for chemical industries

**Appropriate engineering controls**

Care for good room ventilation, exhaust system at workshop place if necessary

**SECTION 9: Physical and chemical properties**

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

**Appearance**

liquid

**Colour**

amber

**Odour**

characteristic

**Odour threshold**

not determined

**Important health, safety and environmental information**

	Value	Temperature	at	Method	Remark
<b>pH value</b>					not applicable
<b>Boiling temperature / boiling range</b>					not determined
<b>Melting point / Freezing point</b>					not determined
<b>Flash point</b>	> 220 °C				
<b>Vapourisation rate</b>	not determined				
<b>Flammable (solid)</b>	not determined				
<b>Flammability (gas)</b>	not determined				
<b>Ignition temperature</b>	370 °C			DIN 51794	
<b>Self ignition temperature</b>	not determined				
<b>Lower explosion limit</b>	not determined				
<b>Upper explosion limit</b>	not determined				



Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

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	Value	Temperature	at	Method	Remark
<b>Vapour pressure</b>	not determined				
<b>Relative density</b>	1,067 g/cm3	20 °C			
<b>Vapour density</b>	not determined				
<b>Solubility in water</b>	not determined				
<b>Solubility/other</b>	not determined				
<b>Partition coefficient n-octanol/water (log P O/W)</b>	not determined				
<b>Decomposition temperature</b>	not determined				
<b>Viscosity kinematic</b>	460 mm2/s			ASTM D 445	
<b>Oxidising properties</b>	No information available.				
<b>Explosive properties</b>	No information available.				
<b>9.2. Other information</b>	No information available.				

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No information available.

### 10.2. Chemical stability

No information available.

### 10.3. Possibility of hazardous reactions

No information available.

### 10.4. Conditions to avoid

Heating, unshielded flame, ignition source, electrostatic charge

### 10.5. Incompatible materials

#### Materials to avoid

Reactions with strong acids.

Reactions with strong oxidising agents.

### 10.6. Hazardous decomposition products

Carbon monoxide

Hydrocarbons

### Thermal decomposition

Remark No decomposition if used as directed.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity/Irritability/Sensitization

	Value/Validation	Species	Method	Remark
<b>LD50 acute oral</b>				not determined
<b>Irritability skin</b>				No irritating effects known
<b>Irritability eye</b>	no irritating effects known			
<b>Skin sensitization</b>	No sensitizing effect known			



#### Additional information

No toxicological data available.

The product was classified on the basis of the calculation procedure of the directive 67/548/EEC (conventional method).

## SECTION 12: Ecological information

### 12.1. Toxicity

#### Ecotoxicological effects

	Value	Species	Method	Validation
<b>Fish</b>	LC50 > 100 mg/l		OECD 203	
<b>Bacteria</b>	EC0 > 10 - 100 mg/l			

### 12.2. Persistence and degradability

#### Biological

#### degradability

not readily degradable

### 12.3. Bioaccumulative potential

No information available.

### 12.4. Mobility in soil

No information available.

### 12.5. Results of PBT and vPvB assessment

No information available.

### 12.6. Other adverse effects

#### Behaviour in sewage plant

Product gets duly not into waste water before it is not treated according to the local regulations.

#### General regulation

Ecological data are not available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Recommendations for the product

Disposal according to local authority prescriptions

#### Recommendations for packaging

Contaminated packings have to be treated like the product itself.

#### General information

Ultimately responsible for correct classification is the waste producer, as the EWC names different codes for different origins of same waste

## SECTION 14: Transport information

	ADR/RID	IMDG	IATA-DGR
<b>14.1. UN number</b>	-	-	-
<b>14.2. UN proper shipping name</b>	-	-	-
<b>14.3. Transport hazard class(es)</b>	-	-	-
<b>14.4. Packing group</b>	-	-	-
<b>14.5. Environmental hazards</b>	-	-	-

### 14.6. Special precautions for user

No information available.

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No information available.

#### Land and inland navigation transport ADR/RID

No dangerous goods as defined by these transport regulations.



## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### VOC standard

VOC content 0 %

#### National regulations

Water hazard class 1 Mixture-WGK according to VwVwS (GER)  
slightly water hazardous

### 15.2. Chemical Safety Assessment

No information available.

## SECTION 16: Other information

### Training advice

Use information in this MSDS

### Recommended uses and restrictions

usage only according to instructions for use and observance of warning notes  
National and local regulations concerning chemicals shall be observed.

### Further information

All the raw materials in this product are listed in TSCA.  
All the raw materials in this product are listed in DSL.  
All the raw materials in this product are listed in AICS.  
All the raw materials in this product are listed in PICCS.  
All the raw materials in this product are listed in IECSC.  
All the raw materials in this product are listed in NZIoC (New Zealand).  
All the raw materials in this product are listed in ENCS  
All the raw materials in this product are listed in KECL

Indication of changes: "I" = Data changed compared with the previous version. Previous version: 2.2

### Sources of key data used

Material Safety Data Sheets of raw materials

### Wording of the R/H-phrases specified in chapter 3 (not the classification of the mixture!)

R 36/38 Irritating to eyes and skin.  
R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H332 Harmful if inhaled.  
H411 Toxic to aquatic life with long lasting effects.  
H412 Harmful to aquatic life with long lasting effects.