

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## Kühlflüssigkeit HKF 15.1 P-120 Eco

Revision date: 21.02.2019

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

#### 1.1. Product identifier

Kühlflüssigkeit HKF 15.1 P-120 Eco

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

##### Use of the substance/mixture

Coolant  
Industrial uses

##### Uses advised against

No information available.

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

Company name:	Conzelmann Schweißhandelsgesellschaft mbH	
Street:	Von-Roggensteinstrasse 5	
Place:	D-89358 Kammeltal-Wettenhausen	
Telephone:	+49 (0) 8222 413880	Telefax: +49 (0) 8222 41388-20
e-mail:	office@conzelmann-gmbh.de	
Contact person:	main office	Telephone: +49 (0) 8222 413880
e-mail:	office@conzelmann-gmbh.de	

#### 1.4. Emergency telephone number:

+49(0) 551 - 1 92 40 (GIZ-Nord, 24h)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Regulation (EC) No. 1272/2008

This mixture is not classified as hazardous in accordance with Regulation (EC) No. 1272/2008.

#### 2.2. Label elements

#### 2.3. Other hazards

No information available.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

##### Chemical characterization

Ingredient:  
Water,  
Propane-1,2-diol  
Inhibitor

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### General information

No special measures are necessary.

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

##### After inhalation

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

##### After contact with skin

Wash with plenty of water.

Take off contaminated clothing and wash it before reuse.

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### **After contact with eyes**

Rinse immediately carefully and thoroughly with eye-bath or water.  
Remove contact lenses, if present and easy to do. Continue rinsing.

### **After ingestion**

Rinse mouth immediately and drink plenty of water.  
Do NOT induce vomiting.  
Never give anything by mouth to an unconscious person or a person with cramps.

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

No information available.

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

Treat symptomatically.

## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

#### **Suitable extinguishing media**

Dry extinguishing powder, alcohol resistant foam, Carbon dioxide (CO<sub>2</sub>), Water spray jet

#### **Unsuitable extinguishing media**

Full water jet

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

Non-flammable.

### **5.3. Advice for firefighters**

Co-ordinate fire-fighting measures to the fire surroundings.  
In case of fire: Wear self-contained breathing apparatus.  
Special protective equipment for firefighters Protective clothing.

### **Additional information**

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.  
Dispose of waste according to applicable legislation.

## **SECTION 6: Accidental release measures**

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

Use personal protection equipment. See section 8.  
Provide adequate ventilation.  
Do not breathe gas/vapour/aerosol.  
Avoid contact with eyes and skin.

### **6.2. Environmental precautions**

Do not allow to enter into surface water or drains.  
Do not allow to enter into soil/subsoil.  
Shafts and sewers must be protected from entry of the product.

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

Provide fresh air.  
Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).  
Treat the recovered material as prescribed in the section on waste disposal.

### **6.4. Reference to other sections**

Safe handling: see section 7  
Personal protection equipment: see section 8  
Disposal: see section 13

## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

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### Advice on safe handling

See section 8.

Wear personal protection equipment (refer to section 8).

Do not breathe gas/vapour/aerosol.

In case of inadequate ventilation wear respiratory protection.

Avoid: generation/formation of aerosols

Avoid contact with eyes and skin.

### Advice on protection against fire and explosion

No special fire protection measures are necessary.

### Further information on handling

Use only in well-ventilated areas.

When using do not eat, drink, smoke, sniff.

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

#### Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place.

Keep/Store only in original container.

#### Hints on joint storage

Keep away from food, drink and animal feedingstuffs.

#### Further information on storage conditions

Keep away from: Frost, Heat, Humidity

### 7.3. Specific end use(s)

for professional use only

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Exposure limits (EH40)

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
57-55-6	Propane-1,2-diol, particulates	-	10		TWA (8 h)	WEL

#### DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
57-55-6	Propane-1,2-diol			
	Worker DNEL, long-term	inhalation	systemic	168 mg/m <sup>3</sup>
	Worker DNEL, long-term	inhalation	local	10 mg/m <sup>3</sup>
	Consumer DNEL, long-term	inhalation	systemic	50 mg/m <sup>3</sup>
	Consumer DNEL, long-term	inhalation	local	10 mg/m <sup>3</sup>

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### PNEC values

CAS No	Substance	Value
Environmental compartment		
57-55-6	Propane-1,2-diol	
Freshwater		260 mg/l
Freshwater (intermittent releases)		183 mg/l
Marine water		26 mg/l
Freshwater sediment		572 mg/kg
Marine sediment		57,2 mg/kg
Micro-organisms in sewage treatment plants (STP)		20000 mg/l
Soil		50 mg/kg

### Additional advice on limit values

To follow: National regulations/ Occupational exposure limit values

### 8.2. Exposure controls

#### Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation have to be used.

#### Protective and hygiene measures

Work in well-ventilated zones or use proper respiratory protection.

Only wear fitting, comfortable and clean protective clothing.

Avoid contact with skin, eyes and clothes.

Wash hands before breaks and after work.

Wash hands before breaks and after work.

Take off contaminated clothing and wash it before reuse.

When using do not eat, drink, smoke, sniff.

Use protective skin cream before handling the product.

#### Eye/face protection

Eye glasses with side protection

#### Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits.

Suitable material: NBR (Nitrile rubber). (DIN EN 374)

Thickness of the glove material:  $\geq 0,11$  mm

Breakthrough time (maximum wearing time):  $> 480$  min

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. Breakthrough times and swelling properties of the material must be taken into consideration.

The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

#### Skin protection

Wear suitable protective clothing.

#### Respiratory protection

In case of inadequate ventilation wear respiratory protection.

generation/formation of aerosols: Combination filtering device (EN 14387), Filtering device (full mask or mouthpiece) with filter: A2 P2; Colour: brown, white

#### Environmental exposure controls

No information available.

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### SECTION 9: Physical and chemical properties

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

Physical state: Liquid  
Colour: colourless  
Odour: characteristic

#### Test method

pH-Value (at 20 °C): 8,4 DIN 38404 C5

#### Changes in the physical state

Melting point: not determined  
Initial boiling point and boiling range: not determined  
Sublimation point: not determined  
Softening point: not determined  
Pour point: not determined  
Solidifying point: ~ -16 °C  
Flash point: >120 °C

#### Flammability

Solid: not applicable  
Gas: not applicable

#### Explosive properties

not explosive.

Lower explosion limits: not determined  
Upper explosion limits: not determined  
Ignition temperature: No information available.

#### Auto-ignition temperature

Solid: not applicable  
Gas: not applicable

Decomposition temperature: not determined

#### Oxidizing properties

No information available.

Vapour pressure: not determined

Density: 1,02 g/cm<sup>3</sup>

Water solubility: easily soluble

#### Solubility in other solvents

not determined

Partition coefficient: not determined

Vapour density: not determined

Evaporation rate: not determined

Solvent separation test: No information available.

#### 9.2. Other information

Solid content: not determined

freezing point: ca. -14 °C

protection against cold: ca. -15 °C

Conductivity: < 25 µS/cm

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### SECTION 10: Stability and reactivity

#### **10.1. Reactivity**

No hazardous reaction when handled and stored according to provisions.

#### **10.2. Chemical stability**

The product is stable under storage at normal ambient temperatures.

#### **10.3. Possibility of hazardous reactions**

No known hazardous reactions.

#### **10.4. Conditions to avoid**

Reference to other sections: 7

#### **10.5. Incompatible materials**

No information available.

#### **10.6. Hazardous decomposition products**

No known hazardous decomposition products.

### SECTION 11: Toxicological information

#### **11.1. Information on toxicological effects**

##### **Acute toxicity**

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

##### **Irritation and corrosivity**

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

##### **Sensitising effects**

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

##### **Carcinogenic/mutagenic/toxic effects for reproduction**

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

##### **STOT-single exposure**

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

##### **STOT-repeated exposure**

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

##### **Aspiration hazard**

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

#### **Further information**

There are no data available on the preparation/mixture itself.

### SECTION 12: Ecological information

#### **12.1. Toxicity**

The product has not been tested. Based on available data, the classification criteria are not met.

#### **12.2. Persistence and degradability**

Readily biodegradable (according to OECD criteria).

OECD 301A/ ISO 7827/ EEC 92/69/V, C.4-A : > 70% (28 d)

Corrosion inhibitor :

OECD 302B/ ISO 9888/ EEC 92/69/V, C.9 OECD 302B/ ISO 9888/ EEC 92/69/V, C.9 : 100% (7 d)

Chemical oxygen demand (COD): 540 mg/g (DIN 38409-H41)

#### **12.3. Bioaccumulative potential**

No information available.

#### **12.4. Mobility in soil**

No information available.

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### 12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

### 12.6. Other adverse effects

No information available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### **Advice on disposal**

Dispose of waste according to applicable legislation. The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.  
non-hazardous waste

#### **Contaminated packaging**

Wash with plenty of water.  
Completely emptied packages can be recycled. Dispose of waste according to applicable legislation.

## SECTION 14: Transport information

### Land transport (ADR/RID)

<u>14.1. UN number:</u>	No dangerous good in sense of this transport regulation.
<u>14.2. UN proper shipping name:</u>	No dangerous good in sense of this transport regulation.
<u>14.3. Transport hazard class(es):</u>	No dangerous good in sense of this transport regulation.
<u>14.4. Packing group:</u>	No dangerous good in sense of this transport regulation.

### Inland waterways transport (ADN)

<u>14.1. UN number:</u>	No dangerous good in sense of this transport regulation.
<u>14.2. UN proper shipping name:</u>	No dangerous good in sense of this transport regulation.
<u>14.3. Transport hazard class(es):</u>	No dangerous good in sense of this transport regulation.
<u>14.4. Packing group:</u>	No dangerous good in sense of this transport regulation.

### Marine transport (IMDG)

<u>14.1. UN number:</u>	No dangerous good in sense of this transport regulation.
<u>14.2. UN proper shipping name:</u>	No dangerous good in sense of this transport regulation.
<u>14.3. Transport hazard class(es):</u>	No dangerous good in sense of this transport regulation.
<u>14.4. Packing group:</u>	No dangerous good in sense of this transport regulation.

### Air transport (ICAO-TI/IATA-DGR)

<u>14.1. UN number:</u>	No dangerous good in sense of this transport regulation.
<u>14.2. UN proper shipping name:</u>	No dangerous good in sense of this transport regulation.
<u>14.3. Transport hazard class(es):</u>	No dangerous good in sense of this transport regulation.
<u>14.4. Packing group:</u>	No dangerous good in sense of this transport regulation.

### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

### 14.6. Special precautions for user

No dangerous good in sense of this transport regulation.

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No dangerous good in sense of this transport regulation.

## SECTION 15: Regulatory information

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

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### EU regulatory information

Information according to 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

### Additional information

To follow: 850/2004/EC, 79/117/EEC, 689/2008/EC

### National regulatory information

Water contaminating class (D): 1 - slightly water contaminating

### 15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

## SECTION 16: Other information

### Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road )  
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail )  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)  
ICAO: International Civil Aviation Organization  
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
CLP: Regulation on Classification, Labelling and Packaging of Substances and Mixtures,  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
EC50: Effectice concentration, 50 percent  
DNEL: Derived No Effect Level  
PNEC: Predicted No Effect Concentration  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative

### Further Information

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*