

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Kühlflüssigkeit HKF 30.1 P-120 Eco

Revision date: 21.02.2019

Page 1 of 8

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

1.1. Product identifier

Kühlflüssigkeit HKF 30.1 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 other hazards are known.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Ingredient:
Water,
propan-2-ol; isopropyl alcohol; isopropanol,
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

After contact with skin, wash immediately with plenty of water and soap.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Kühlflüssigkeit HKF 30.1 P-120 Eco

Revision date: 21.02.2019

Page 2 of 8

Remove contaminated, saturated clothing immediately.

After contact with eyes

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately. 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.

Seek medical advice immediately.

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

First Aid, decontamination, treatment of symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Dry extinguishing powder, alcohol resistant foam, Carbon dioxide (CO₂), Water spray jet

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

Carbon monoxide Carbon dioxide (CO₂) Nitrogen oxides (NO_x)

5.3. Advice for firefighters

Special protective equipment for firefighters Protective clothing.

In case of fire: Wear self-contained breathing apparatus.

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

See protective measures under point 7 and 8.

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

See protective measures under point 7 and 8.

Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Kühlflüssigkeit HKF 30.1 P-120 Eco

Revision date: 21.02.2019

Page 3 of 8

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

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Take precautionary measures against static discharges.

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.

Keep away from heat.

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)

No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	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 ³
	Worker DNEL, long-term	inhalation	local	10 mg/m ³
	Consumer DNEL, long-term	inhalation	systemic	50 mg/m ³
	Consumer DNEL, long-term	inhalation	local	10 mg/m ³

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Kühflüssigkeit HKF 30.1 P-120 Eco

Revision date: 21.02.2019

Page 4 of 8

PNEC values

CAS No	Substance	
Environmental compartment		Value
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

Only wear fitting, comfortable and clean protective clothing.

Avoid contact with skin, eyes and clothes.

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,
goggles

Hand protection

Tested protective gloves must be worn: DIN EN 374

NBR (Nitrile rubber) NR (natural rubber, natural latex) Butyl caoutchouc (butyl rubber)

Thickness of the glove material $\geq 0,4$ mm

Breakthrough times and swelling properties of the material must be taken into consideration.

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.

Wearing time with occasional contact (splashes): max. 480 min. (NBR (Nitrile rubber))

Wearing time with permanent contact 240 - 480 min (NBR (Nitrile rubber))

Observe the wear time limits as specified by the manufacturer. Wear cotton undermitten if possible.

Skin protection

Wear suitable protective clothing.

Wear anti-static footwear and clothing

Street clothing should be stored separately from work clothing.

Take off immediately all contaminated clothing and wash it before reuse.

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.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Kühlflüssigkeit HKF 30.1 P-120 Eco

Revision date: 21.02.2019

Page 5 of 8

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	colourless
Odour:	characteristic
pH-Value:	~ 9 - 10,5

Changes in the physical state

Melting point:	not determined
Initial boiling point and boiling range:	~ 96 °C
Sublimation point:	not determined
Softening point:	not determined
Pour point:	not determined
Solidifying point:	~ -32 °C
Flash point:	>65 °C
Sustaining combustion:	No data available

Flammability

Solid:	No information available.
Gas:	No information available.

Explosive properties

not explosive.

Lower explosion limits:	No information available.
Upper explosion limits:	No information available.
Ignition temperature:	No information available.

Auto-ignition temperature

Solid:	No information available.
Gas:	No information available.

Decomposition temperature:	No information available.
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Oxidizing properties

No information available.

Vapour pressure:	not determined
Density:	~ 1 g/cm ³
Water solubility:	completely miscible

Solubility in other solvents

No information available.

Partition coefficient:	not determined
Viscosity / dynamic:	not determined
Vapour density:	not determined
Evaporation rate:	not determined
Solvent separation test:	No information available.

9.2. Other information

freezing point: ~ -27 °C
protection against cold: ~ -30 °C
Conductivity: <10 µS/cm

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Kühlflüssigkeit HKF 30.1 P-120 Eco

Revision date: 21.02.2019

Page 6 of 8

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Reacts with: Oxidising agent, strong

10.4. Conditions to avoid

Reference to other sections: 7

10.5. Incompatible materials

Oxidising agent, strong

10.6. Hazardous decomposition products

Carbon dioxide, Carbon monoxide

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

No information available.

12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil

No information available.

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.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Kühlflüssigkeit HKF 30.1 P-120 Eco

Revision date: 21.02.2019

Page 7 of 8

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)

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

Inland waterways transport (ADN)

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

Marine transport (IMDG)

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

Air transport (ICAO-TI/IATA-DGR)

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

EU regulatory information

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

according to Regulation (EC) No 1907/2006

Kühlflüssigkeit HKF 30.1 P-120 Eco

Revision date: 21.02.2019

Page 8 of 8

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.)