

### coolTec II (Lubrikant\_Alkoholbasis)

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

### 1.1. Product identifier

coolTec II (Lubrikant\_Alkoholbasis)

UFI: AKP3-TRWM-DU33-PF6H

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

#### Use of the substance/mixture

Lubricants and diluents, metallographic sample preparation.

#### Uses advised against

Any non-intended use.

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

Company name: Schmitz-Metallographie GmbH  
Street: Kaiserstraße 100  
Place: D-52134 Herzogenrath  
Telephone: 02407 / 568296-0  
E-mail: info@schmitz-metallographie.de  
Contact person: Herr Füllmann  
E-mail: info@schmitz-metallographie.de  
Internet: www.schmitz-metallographie.de

Telefax: 02407 / 568296-9

### 1.4. Emergency telephone number:

#### Further Information

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (amended by Regulation (EU) No 2020/878)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

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

Flam. Liq. 2; H225  
Eye Irrit. 2; H319

Full text of hazard statements: see SECTION 16.

### 2.2. Label elements

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

Signal word: Danger

Pictograms:



#### Hazard statements

H225 Highly flammable liquid and vapour.  
H319 Causes serious eye irritation.

#### Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P280 Wear protective gloves/protective clothing and eye protection/face protection.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 If eye irritation persists: Get medical advice/attention.

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P403+P235 Store in a well-ventilated place. Keep cool.  
P501 Dispose of contents/container to local/regional/national/international regulations.

#### 2.3. Other hazards

In use, may form flammable/explosive vapour-air mixture.  
The substances in the mixture (> 0.1%) do not meet the PBT/vPvB criteria according to REACH, annex XIII.  
This product does not contain a substance (> 0.1%) that has endocrine disrupting properties with respect to humans as no components meets the criteria. This product does not contain a substance (> 0.1 %) that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Relevant ingredients

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
Classification (Regulation (EC) No 1272/2008)				
64-17-5	ethanol; ethyl alcohol			90 - < 99 %
	200-578-6	603-002-00-5	01-2119457610-43	
	Flam. Liq. 2, Eye Irrit. 2; H225 H319			

Full text of H and EUH statements: see section 16.

#### Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
Specific Conc. Limits, M-factors and ATE			
64-17-5	200-578-6	ethanol; ethyl alcohol	90 - < 99 %
inhalation: LC50 = 124,7 mg/l (vapours); oral: LD50 = 10470 mg/kg Eye Irrit. 2; H319: >= 50 - 100			

#### Further Information

Product does not contain listed SVHC substances > 0.1 % according to Regulation (EC) No. 1907/2006 Article 59 (REACH).

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

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

First aider: Pay attention to self-protection!

#### After inhalation

Remove person to fresh air and keep comfortable for breathing. In case of respiratory tract irritation, consult a physician.

#### After contact with skin

Take off immediately all contaminated clothing. Wash with plenty of water. In case of skin irritation, seek medical treatment.

#### After contact with eyes

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

#### After ingestion

Rinse mouth thoroughly with water. Let water be drunken in little sips (dilution effect). Do NOT induce vomiting.

Never give anything by mouth to an unconscious person or a person with cramps. In all cases of doubt, or when symptoms persist, seek medical advice.

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

See sections 2 and 11

#### 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**

Carbon dioxide (CO2). Dry extinguishing powder. Alcohol resistant foam.

In case of major fire and large quantities: Atomized water.

#### **Unsuitable extinguishing media**

High power water jet.

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

Can be released in case of fire: Gases/vapours, irritant. Carbon monoxide (CO). Carbon dioxide (CO2).

Sulphurous oxides (SOx) Nitrogen oxides (NOx).

### 5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus. In case of fire and/or explosion do not breathe fumes.

Reignition possible over considerable distance.

#### **Additional information**

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Use water spray jet to protect personnel and to cool endangered containers.

In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.

## SECTION 6: Accidental release measures

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

#### **General advice**

Do not breathe gas/vapour/aerosol. Avoid contact with skin, eyes and clothes.

#### **For non-emergency personnel**

Remove persons to safety. Remove all sources of ignition. Ventilate affected area.

Wear personal protection equipment (refer to section 8).

#### **For emergency responders**

No special measures are necessary.

### 6.2. Environmental precautions

Do not allow to enter into surface water or drains. Danger of explosion! Cover drains. Prevent spread over a wide area (e.g. by containment or oil barriers). In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

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

#### **For containment**

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Ventilate affected area.

Treat the recovered material as prescribed in the section on waste disposal.

#### **For cleaning up**

Clean contaminated objects and areas thoroughly observing environmental regulations.

### 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

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#### 7.1. Precautions for safe handling

##### **Advice on safe handling**

Provide adequate ventilation as well as local exhaustion at critical locations.  
Do not breathe gas/vapour/aerosol. Avoid contact with skin, eyes and clothes.  
Wear suitable protective clothing. (See section 8.)

##### **Advice on protection against fire and explosion**

Keep away from sources of ignition. - No smoking. Take precautionary measures against static discharges.  
Flammable vapours can accumulate in head space of closed systems. In use, may form flammable/explosive vapour-air mixture. Heating causes rise in pressure with risk of bursting.

##### **Advice on general occupational hygiene**

The usual precautions for handling chemicals should be considered.  
Keep away from food, drink and animal feedingstuffs.  
Always close containers tightly after the removal of product. When using do not eat, drink or smoke. Wash hands before breaks and after work. Protect skin by using skin protective cream. Take off contaminated clothing and wash it before reuse.

##### **Further information on handling**

General protection and hygiene measures: See section 8.

#### 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. Protect against direct sunlight.  
Ensure adequate ventilation of the storage area.  
Make sure spills can be contained (e.g. sump pallets or kerbed areas).

##### **Hints on joint storage**

Do not store together with: Gas. Explosives. Flammable solids. Pyrophoric liquids and solids. Self-heating substances and mixtures. Substances and mixtures which, in contact with water, emit flammable gases. Oxidizing liquids. Oxidizing solids. ammonium nitrate. Self-reactive substances and mixtures. Organic peroxides. Non-combustible toxic substances. Radioactive substances. Infectious substances.

##### **Further information on storage conditions**

Keep the packing dry and well sealed to prevent contamination and absorption of humidity.  
Protect against: UV-radiation/sunlight. heat. Humidity frost.  
storage temperature: 15 - 25°C

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

See section 1.

## SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### **Occupational exposure limits**

CAS No	Substance	ppm	mg/m <sup>3</sup>	fib/cm <sup>3</sup>	Category	Origin
64-17-5	Ethanol	1000	-		STEL (15 min)	

##### **DNEL/DMEL values**

CAS No	Substance	DNEL type	Exposure route	Effect	Value
64-17-5	ethanol; ethyl alcohol				
	Worker DNEL, long-term		inhalation	systemic	380 mg/m <sup>3</sup>
	Worker DNEL, long-term		dermal	systemic	267-400 mg/kg bw/day
	Consumer DNEL, long-term		inhalation	systemic	114 mg/m <sup>3</sup>

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#### PNEC values

CAS No	Substance	
Environmental compartment		Value
64-17-5	ethanol; ethyl alcohol	
Freshwater		0,96 mg/l
Freshwater (intermittent releases)		2,75 mg/l
Marine water		0,79 mg/l
Freshwater sediment		3,6 mg/kg
Marine sediment		2,9 mg/kg
Secondary poisoning		380 mg/kg
Micro-organisms in sewage treatment plants (STP)		580 mg/l
Soil		0,63 mg/kg

#### 8.2. Exposure controls



#### Appropriate engineering controls

Technical measures and the application of suitable work processes have priority over personal protection equipment.

Provide adequate ventilation as well as local exhaustion at critical locations.

#### Individual protection measures, such as personal protective equipment

##### Eye/face protection

Recommended eye protection brand: Tightly sealed safety glasses. (EN ISO 16321-1:2022)

##### Hand protection

In case of prolonged or frequently repeated skin contact: Wear suitable gloves.

Suitable material: Butyl rubber.

Thickness of glove material: 0,5 mm

Breakthrough time  $\geq$  480 min. Penetration time (maximum wearing period): ~ 120 min (estimated)

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.

The selected protective gloves have to satisfy the specifications of EU Directive EC/2016/425 and the standard EN 374 derived from it.

Before using check leak tightness / impermeability. In the case of wanting to use the gloves again, clean them before taking off and air them well.

##### Skin protection

Wear fire/flame resistant/retardant clothing.

##### Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

Respiratory protection necessary at:

Exceeding exposure limit values

Insufficient ventilation

Suitable respiratory protective equipment: gas filtering equipment (EN 14387). type: A

The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

##### Environmental exposure controls

Do not allow uncontrolled discharge of product into the environment.

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## SECTION 9: Physical and chemical properties

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

Physical state:	liquid
Colour:	light blue
Odour:	characteristic
Odour threshold:	not determined
Melting point/freezing point:	not determined
Boiling point or initial boiling point and boiling range:	78 (Ethanol ) °C
Flammability:	not determined
Lower explosion limits:	3,5 (Ethanol ) vol. %
Upper explosion limits:	15 (Ethanol ) vol. %
Flash point:	12 (Ethanol ) °C
Auto-ignition temperature:	400 (Ethanol ) °C
Decomposition temperature:	not relevant
pH-Value:	6,2
Viscosity / kinematic:	not determined
Water solubility:	not determined
Solubility in other solvents	not determined
Dissolution rate:	not relevant
Partition coefficient n-octanol/water:	SECTION 12: Ecological information
Dispersion stability:	not relevant
Vapour pressure:	not determined
Density:	0,79 g/cm³
Bulk density:	not relevant
Relative vapour density:	not determined
Particle characteristics:	not relevant

### 9.2. Other information

#### Information with regard to physical hazard classes

##### Explosive properties

In use, may form flammable/explosive vapour-air mixture.

##### Self-ignition temperature

Gas: not determined

##### Oxidizing properties

none.

#### Other safety characteristics

Evaporation rate:	not determined
Solvent separation test:	not determined
Solvent content:	90%
Solid content:	not determined
Sublimation point:	not relevant
Softening point:	not relevant
Pour point:	not relevant
Viscosity / dynamic:	1,19 (Ethanol ) mPa·s
Flow time:	not determined

#### Further Information

No information available.

## SECTION 10: Stability and reactivity

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#### **10.1. Reactivity**

No information available.

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

The mixture is chemically stable under recommended conditions of storage, use and temperature.

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

No hazardous reaction when handled and stored according to provisions.

Refer to section 10.5.

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

Keep away from heat. Danger of explosion!

In use may form flammable/explosive vapour-air mixture.

Heating causes rise in pressure with risk of bursting.

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

Materials to avoid: Oxidizing agents, strong. Reducing agents, strong. Strong acid. strong alkalis.

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

Can be released in case of fire: Gas/vapours, irritant. Carbon monoxide Carbon dioxide (CO2). Sulphurous oxides (SOx) Nitrogen oxides (NOx).

## SECTION 11: Toxicological information

### **11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**

#### **Toxicokinetics, metabolism and distribution**

No data available.

#### **Acute toxicity**

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

#### **ATEmix calculated**

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
64-17-5	ethanol; ethyl alcohol				
	oral	LD50 mg/kg	10470 Rat	ECHA Dossier	OECD Guideline 401
	inhalation (4 h) vapour	LC50 mg/l	124,7 Rat	ECHA Dossier	OECD Guideline 403

#### **Irritation and corrosivity**

Serious eye damage/eye irritation: Causes serious eye irritation.

Skin corrosion/irritation: 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**

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

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

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

Ethanol:

In-vitro mutagenicity: No experimental indications of mutagenicity in-vitro exist. Reproductive toxicity: Exposure time: 18 weeks Species: CD-1 Mouse. Method: OECD Guideline 416

Result: NOAEL = 20700 mg/kg/day Developmental toxicity/teratogenicity: Exposure time: 19d Species:

Sprague-Dawley Rat. Method: OECD Guideline 414 Result: NOAEL = 16000 ppm (maternal toxicity) Result:

NOAEL >= 20000 ppm (teratogenicity) Literature information: ECHA Dossier

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ethanediol; ethylene glycol:

In-vitro mutagenicity: Method: OECD Guideline 471 (Bacterial Reverse Mutation Assay) 1997; Result: negative. Literature information: ECHA Dossier; Carcinogenicity: Method: oral. Species: Mouse. Exposure duration: 2 years. Result: NOAEL = 1500 mg/kg; Literature information: ECHA Dossier; Developmental toxicity/teratogenicity: Method: -; Species: Mouse.; Exposure duration: 20 d. Result: NOAEC = 2500 mg/m<sup>3</sup>; Literature information: ECHA Dossier

#### 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.

Ethanol:

Subchronic oral toxicity:

Exposure time: 90d; Species: Sprague-Dawley Rat.

Method: OECD Guideline 408; Result: NOAEL = 1280 mg/kg; Literature information: ECHA Dossier

ethanediol; ethylene glycol:

Subacute oral toxicity: Method: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study); Species: Dog.; Exposure duration: 28 d. Results: NOAEL = 2200 mg/kg(bw)/day ; Literature information: ECHA Dossier

#### Aspiration hazard

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

#### Specific effects in experiment on an animal

No data available.

## 11.2. Information on other hazards

#### Endocrine disrupting properties

This product does not contain a substance (> 0,1%) that has endocrine disrupting properties with respect to humans as no components meets the criteria.

#### Other information

No data available.

## SECTION 12: Ecological information

### 12.1. Toxicity

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

CAS No	Chemical name	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
64-17-5	ethanol; ethyl alcohol	Acute fish toxicity	LC50 15400 mg/l	96 h	Lepomis macrochirus	ECHA Dossier	EPA-660/3-75-009, 1975
		Acute algae toxicity	ErC50 ca. 22000 mg/l	96 h	Raphidocelis subcapitata	ECHA Dossier	OECD Guideline 201
		Acute crustacea toxicity	EC50 > 10000 mg/l	48 h	Daphnia magna	ECHA Dossier	DIN 38412 / part 11

### 12.2. Persistence and degradability

The product has not been tested.

CAS No	Chemical name	Method	Value	d	Source
		Evaluation			
64-17-5	ethanol; ethyl alcohol	BOD method, 1971	84 %	20	ECHA Dossier

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	Readily biodegradable
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#### **12.3. Bioaccumulative potential**

The product has not been tested.

#### **Partition coefficient n-octanol/water**

CAS No	Chemical name	Log Pow
64-17-5	ethanol; ethyl alcohol	- 0,77

#### **BCF**

CAS No	Chemical name	BCF	Species	Source
64-17-5	ethanol; ethyl alcohol	1	Cyprinus carpio	ECHA Dossier

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

No data 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.

The aforementioned statement applies to substances contained in the product with a minimum content of 0.1%.

#### **12.6. Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

The aforementioned statement applies to substances contained in the product with a minimum content of 0.1%.

#### **12.7. Other adverse effects**

No data available.

#### **Further information**

Do not allow to enter into surface water or drains.

## SECTION 13: Disposal considerations

#### **13.1. Waste treatment methods**

##### **Disposal recommendations**

Dispose of waste according to applicable legislation. Consult the local waste disposal expert about waste disposal. Non-contaminated packages may be recycled. According to (EWC) European Waste Catalogue, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.

Control report for waste code/ waste marking according to (EWC) European Waste Catalogue:

##### **List of Wastes Code - residues/unused products**

160305 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; off-specification batches and unused products; organic wastes containing hazardous substances; hazardous waste

##### **List of Wastes Code - used product**

160305 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; off-specification batches and unused products; organic wastes containing hazardous substances; hazardous waste

##### **List of Wastes Code - contaminated packaging**

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances; hazardous waste

##### **Contaminated packaging**

Handle contaminated packages in the same way as the substance itself.

## SECTION 14: Transport information

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#### Land transport (ADR/RID)

**14.1. UN number or ID number:**

UN 1170

**14.2. UN proper shipping name:**

ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

**14.3. Transport hazard class(es):**

3

**14.4. Packing group:**

II

Hazard label:



Classification code:

F1

Special Provisions:

144 601

Limited quantity:

1 L

Excepted quantity:

E2

Transport category:

2

Hazard No:

33

Tunnel restriction code:

D/E

#### Inland waterways transport (ADN)

**14.1. UN number or ID number:**

UN 1170

**14.2. UN proper shipping name:**

ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

**14.3. Transport hazard class(es):**

3

**14.4. Packing group:**

II

Hazard label:



Classification code:

F1

Special Provisions:

144 601

Limited quantity:

1 L

Excepted quantity:

E2

#### Marine transport (IMDG)

**14.1. UN number or ID number:**

UN 1170

**14.2. UN proper shipping name:**

ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

**14.3. Transport hazard class(es):**

3

**14.4. Packing group:**

II

Hazard label:



Marine pollutant:

NO

Special Provisions:

144

Limited quantity:

1 L

Excepted quantity:

E2

EmS:

F-E, S-D

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

**14.1. UN number or ID number:**

UN 1170

**14.2. UN proper shipping name:**

ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

**14.3. Transport hazard class(es):**

3

**14.4. Packing group:**

II

Hazard label:

3

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Special Provisions:

1 L

Limited quantity Passenger:

Y341

Passenger LQ:

E2

Excepted quantity:

IATA-packing instructions - Passenger: 353

IATA-max. quantity - Passenger:

364

IATA-packing instructions - Cargo:

IATA-max. quantity - Cargo: 60 L

#### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

#### 14.6. Special precautions for user

See section 8.

#### 14.7. Maritime transport in bulk according to IMO instruments

not relevant.

## SECTION 15: Regulatory information

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

#### **EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 40, Entry 75

Directive 2010/75/EU on industrial emissions: not determined

Directive 2004/42/EC on VOC in paints and varnishes: not determined

Information according to Directive 2012/18/EU (SEVESO III): P5c FLAMMABLE LIQUIDS

#### **Additional information**

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (amended by Regulation (EU) No 2020/878)

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

REACH 1907/2006 Appendix XVII, No (mixture): 3, 40

#### **National regulatory information**

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

Water hazard class (D): 1 - slightly hazardous to water

### 15.2. Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out:  
ethanol; ethyl alcohol

## SECTION 16: Other information

#### **Changes**

Rev. 1,0; Initial release: 30.04.2018

Rev. 2,0; 04.01.2021, Changes in section: 5, 10, 16

Rev. 3,0; 06.06.2023, Changes in section: 1 - 16.

Rev. 4,0; 28.02.2026, Changes in section: 2, 3, 8, 16.

#### **Abbreviations and acronyms**

Flam. Liq. 2: Flammable liquids, hazard category 2

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Eye Irrit. 2: Eye irritation, hazard category 2

ADR: Accord européen sur le transport des marchandises dangereuses par Route ( European Agreement concerning the International Carriage of Dangerous Goods by Road)

CAS: Chemical Abstracts Service

CLP: Classification, Labelling and Packaging of substances and mixtures

DNEL: Derived No Effect Level

d: day(s)

EINECS: European INventory of Existing Commercial chemical Substances

ELINCS: European List of Notified Chemical Substances

ECHA: European Chemicals Agency

EWC: European Waste Catalogue

IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER

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)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)

h: hour

LOAEL: Lowest observed adverse effect level

LOAEC: Lowest observed adverse effect concentration

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

NOAEL: No observed adverse effect level

NOAEC: No observed adverse effect concentration

NLP: No-Longer Polymers

N/A: not applicable

OECD: Organisation for Economic Co-operation and Development

PNEC: predicted no effect concentration

PBT: Persistent bioaccumulative toxic

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail )

REACH: Registration, Evaluation, Authorisation of Chemicals

SVHC: substance of very high concern

TRGS: Technische Regeln für Gefahrstoffe

UN: United Nations

VOC: Volatile Organic Compounds

WGK: Water Hazard Class (Germany)

#### Classification for mixtures and used evaluation method according to Regulation (EC) No 1272/2008 [CLP]

Classification	Classification procedure
Flam. Liq. 2; H225	On basis of test data
Eye Irrit. 2; H319	Calculation method

#### Relevant H and EUH statements (number and full text)

H225                    Highly flammable liquid and vapour.

H319                    Causes serious eye irritation.

#### Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**coolTec II (Lubrikant\_Alkoholbasis)**

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