

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 12.07.2021

Version: 9 (replaces version 8)

Revision: 12.07.2021

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

- **1.1 Product identifier**
- **Trade name:** KDS NR 5
- **Article number:** 10520003
- **UFI:** WFA3-U07S-3007-RESA
- **1.2 Relevant identified uses of the substance or mixture and uses advised against** No further relevant information available.
- **Life cycle stages** PW Widespread use by professional workers
- **Sector of Use** SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
- **Product category** PC35 Washing and cleaning products (including solvent based products)
- **Process category** PROC19 Manual activities involving hand contact
- **Environmental release category**
 - ERC8a Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)
 - ERC8d Widespread use of non-reactive processing aid (no inclusion into or onto article, outdoor)
- **Application of the substance / the mixture** Window cleaner
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
 - ZEP ITALIA SRL
 - Piazzale Luigi Cadorna, 2
 - 20123 Milano (MI) - Italy;
 - Via Nettunense Km. 25.000
 - 04011 Aprilia (LT) - Italy
 - T: +39.06.926691
 - F: +39.06.92747061
 - @: tecnico@zepeurope.com
 - Sito: www.zep.it
- ZEP Industries BV
 - Vierlinghweg 30
 - 4612 PN Bergen op Zoom
 - The Netherlands
 - Tel: (NL) + 31 164 250 100 (B) + 32 2 347 0117
 - Fax: (NL) + 31 164 266 710 (B) + 32 2 347 1395
 - @: info@zepbenelux.com
- Distributed in the UK by:
 - ZEP UK Ltd
 - Tanhouse Lane
 - Widnes Cheshire, WA8 0RD
 - United Kingdom
 - Tel: +44 (0)151 422 1000
 - Fax: +44 (0)151 422 1011
 - @: info@zep.co.uk
 - web: www.zep.co.uk
- **Further information obtainable from:**
 - Customer Service
 - NL: Tel: + 31 164 250 100 Fax: + 31 164 266 710
 - B: Tel: +32 2 347 0117 Fax: +32 2 347 1395
 - IT: Tel: +39 069 266 91 Fax: +39 06.927 470 61
 - UK: Tel: +44 151 422 1000 Fax: +44 151 422 1011
- **1.4 Emergency telephone number:**
 - NHS +44 0845 46 47 (England or Wales); +44 08454 24 24 24 (Scotland)
 - emergency number (europe): 112

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
 - Flam. Liq. 3 H226 Flammable liquid and vapour.
 - Eye Dam. 1 H318 Causes serious eye damage.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** The product is classified and labelled according to the CLP regulation.

(Contd. on page 2)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 12.07.2021

Version: 9 (replaces version 8)

Revision: 12.07.2021

Trade name: KDS NR 5

(Contd. of page 1)

Hazard pictograms

GHS02 GHS05

Signal word Danger**Hazard-determining components of labelling:**

Alcohols, C12-14, ethoxylated, sulfates, sodium salts

Hazard statements

H226 Flammable liquid and vapour.

H318 Causes serious eye damage.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor.

P403+P235 Store in a well-ventilated place. Keep cool.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional information:

EUH208 Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

2.3 Other hazards The product does not contain any organic halogen compounds (AOX), nitrates, heavy metal compounds.**Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Mixtures**Description:** Mixture of substances listed below with nonhazardous additions.**Dangerous components:**

CAS: 67-63-0 EINECS: 200-661-7 Index number: 603-117-00-0 Reg.nr.: 01-2119457558-25-xxxx	propan-2-ol Flam. Liq. 2, H225 Eye Irrit. 2, H319; STOT SE 3, H336	10-25%
CAS: 68891-38-3 NLP: 500-234-8 Reg.nr.: 01-2119488639-16-xxxx	Alcohols, C12-14, ethoxylated, sulfates, sodium salts Eye Dam. 1, H318 Skin Irrit. 2, H315 Aquatic Chronic 3, H412	≥3-<5%
CAS: 1336-21-6 EINECS: 215-647-6 Index number: 007-001-01-2 Reg.nr.: 01-2119488876-14-xxxx	ammonia Skin Corr. 1B, H314; Eye Dam. 1, H318 Aquatic Acute 1, H400; Aquatic Chronic 2, H411 STOT SE 3, H335 Specific concentration limit: STOT SE 3; H335: C ≥ 5 %	≥0.1-<0.25%
CAS: 2634-33-5 EINECS: 220-120-9 Index number: 613-088-00-6 Reg.nr.: exempted 01-2120761540-60-xxxx	1,2-benzisothiazol-3(2H)-one Eye Dam. 1, H318 Aquatic Acute 1, H400 Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317 Specific concentration limit: Skin Sens. 1; H317: C ≥ 0.05 %	0.02%

Additional information:

Ingredients according to Detergents Regulation 648/2004/EC

Anionic surfactants, EDTA and salts thereof	<5%
Preservation agents (BENZISOTHIAZOLINONE), Perfumes	

SECTION 4: First aid measures

4.1 Description of first aid measures**General information:** Immediately remove any clothing soiled by the product.

(Contd. on page 3)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 12.07.2021

Version: 9 (replaces version 8)

Revision: 12.07.2021

Trade name: KDS NR 5

(Contd. of page 2)

- **After inhalation:**
Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.
In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:**
If skin irritation continues, consult a doctor.
Immediately rinse with water.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.
- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed** No further relevant information available.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:** CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **5.2 Special hazards arising from the substance or mixture**
Formation of toxic gases is possible during heating or in case of fire.
- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
Keep away from ignition sources.
Mount respiratory protective device.
- **6.2 Environmental precautions:** Prevent seepage into sewage system, workpits and cellars.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, universal binders).
Use neutralising agent.
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
- **6.4 Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Keep away from heat and direct sunlight.
Store in cool, dry place in tightly closed receptacles.
Open and handle receptacle with care.
- **Information about fire - and explosion protection:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

(Contd. on page 4)

EU

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 12.07.2021

Version: 9 (replaces version 8)

Revision: 12.07.2021

Trade name: KDS NR 5

(Contd. of page 3)

· DNELs**CAS: 67-63-0 propan-2-ol**

Oral	DNEL Long term-systemic	26 mg/kg human/day (consumer)
Dermal	DNEL Long term-systemic	319 mg/kg human/day (consumer) 888 mg/kg human/day (worker)
Inhalative	DNEL Long term-systemic mg/m3	89 mg/m3 (consumer) 500 mg/m3 (worker)

CAS: 1336-21-6 ammonia

Dermal	DNEL Acute-systemic	6.8 mg/kg human/day (worker)
--------	---------------------	------------------------------

CAS: 2634-33-5 1,2-benzisothiazol-3(2H)-one

Dermal	DNEL Long term-systemic	0.345 mg/kg human/day (consumer) 0.966 mg/kg human/day (worker)
Inhalative	DNEL Long term-systemic mg/m3	1.2 mg/m3 (consumer) 6.81 mg/m3 (worker)

· PNECs**CAS: 67-63-0 propan-2-ol**

PNEC Freshwater mg/L	140.9 mg/L
PNEC Marinewater mg/L	140.9 mg/L
PNEC Freshwater sediment	552 mg/Kg
PNEC Marine water sediment	552 mg/Kg
PNEC Intermittent release	140.9
PNEC Soil	28 mg/Kg

CAS: 1336-21-6 ammonia

PNEC Freshwater mg/L	0.0011 mg/L
----------------------	-------------

CAS: 2634-33-5 1,2-benzisothiazol-3(2H)-one

PNEC Freshwater µg/L	4.03 µg/L (-)
PNEC Marinewater µg/L	0.403 µg/L (-)
PNEC Freshwater sediment	0.0499 mg/Kg (-)
PNEC Marine water sediment	0.0049 mg/Kg (-)
PNEC Soil	3 mg/Kg (-)
PNEC Sewage treatment Plant mg/L	1.03 mg/L (-)

· **Additional information:** The lists valid during the making were used as basis.

· 8.2 Exposure controls

· **Appropriate engineering controls** No further data; see item 7.

· **Individual protection measures, such as personal protective equipment**

· **General protective and hygienic measures:**

Immediately remove all soiled and contaminated clothing

Do not inhale dust / smoke / mist.

Avoid contact with the eyes and skin.

· **Respiratory protection:** Use suitable respiratory protective device in case of insufficient ventilation.

· **Hand protection**



Protective gloves

· Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

The determined penetration times according to EN 16523-1:2015 are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

· **Not suitable are gloves made of the following materials:** Strong material gloves

(Contd. on page 5)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 12.07.2021

Version: 9 (replaces version 8)

Revision: 12.07.2021

Trade name: KDS NR 5

(Contd. of page 4)

· Eye/face protection



Tightly sealed goggles

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Physical state	Fluid
· Colour:	According to product specification
· Odour:	Characteristic
· Odour threshold:	Not determined.
· Melting point/freezing point:	Undetermined.
· Boiling point or initial boiling point and boiling range	>103 °C
· Flammability	Not applicable.
· Lower and upper explosion limit	
· Lower:	2 Vol %
· Upper:	12 Vol %
· Flash point:	32 °C
· Auto-ignition temperature:	Product is not selfigniting.
· Decomposition temperature:	Not determined.
· pH at 20 °C	9.1
· Viscosity:	
· Kinematic viscosity at 20 °C	10 s (DIN 53211/4)
· Dynamic:	Not determined.
· Solubility	
· water:	Insoluble.
· Partition coefficient n-octanol/water (log value)	Not determined.
· Vapour pressure at 20 °C:	42 hPa
· Density and/or relative density	
· Density at 20 °C:	0.98 g/cm ³
· Relative density	Not determined.
· Vapour density	Not determined.

· 9.2 Other information

· Appearance:	
· Form:	Fluid
· Important information on protection of health and environment, and on safety.	
· Ignition temperature:	425 °C
· Explosive properties:	Product does not present an explosion hazard. Not determined.
· Solvent content:	
· Organic solvents:	20.0 %
· EU-VOC:	757.4 g/l
· EU-VOC	19.99 %
· Swiss VOC:	19.99 %
· Change in condition	
· Evaporation rate	Not determined.

· Information with regard to physical hazard classes

· Explosives	Void
· Flammable gases	Void
· Aerosols	Void
· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	
Flammable liquid and vapour.	
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void

(Contd. on page 6)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 12.07.2021

Version: 9 (replaces version 8)

Revision: 12.07.2021

Trade name: KDS NR 5

(Contd. of page 5)

- | | |
|---|------|
| · Self-heating substances and mixtures | Void |
| · Substances and mixtures, which emit flammable gases in contact with water | Void |
| · Oxidising liquids | Void |
| · Oxidising solids | Void |
| · Organic peroxides | Void |
| · Corrosive to metals | Void |
| · Desensitised explosives | Void |

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· LD/LC50 values relevant for classification:

CAS: 67-63-0 propan-2-ol

Oral	LD50	>5,000 mg/kg (Rat)
Dermal	LD50	13,900 mg/kg (rab)
Inhalative	LC50 / 4 h	46-73 mg/l (Rat)
	LC50/ 8 h	12,000-19,000 mg/m3 (Rat)
	EC50 / 24 h	>1,000 mg/ltr (Daphnia magna (water flea))

CAS: 1336-21-6 ammonia

Oral	LD50	350 mg/kg (Rat)
------	------	-----------------

CAS: 2634-33-5 1,2-benzisothiazol-3(2H)-one

Oral	LD50	1,150 mg/kg (Rat)
Dermal	LD50	>2,000 mg/kg (Rat)

- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation**
Causes serious eye damage.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **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.
- **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.
- **11.2 Information on other hazards**

· Endocrine disrupting properties

CAS: 80-54-6	p-t-Butyl-alpha-methylhydrocinnamic aldehyde	List II
CAS: 118-58-1	Benzyl salicylate	List II
CAS: 32388-55-9	Acetyl cedrene	List II
CAS: 54464-57-2	1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone	List II

EU

(Contd. on page 7)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 12.07.2021

Version: 9 (replaces version 8)

Revision: 12.07.2021

Trade name: KDS NR 5

(Contd. of page 6)

SECTION 12: Ecological information

· 12.1 Toxicity

· Aquatic toxicity:

CAS: 67-63-0 propan-2-ol

LC50 / 96 h	9,640 mg/ltr (fish)
	>1,400 mg/ltr (<i>Lepomus gobbosus</i> (Zonnebaars))
	6,550 mg/ltr (<i>Pimephales promelas</i>)
EC 50 / 48 h	2,285-13,299 mg/ltr (<i>Daphnia magna</i> (water flea))

CAS: 1336-21-6 ammonia

LC50 / 96 h	0.89 mg/ltr (fish)
EC 50 / 48 h	110 mg/ltr (<i>Daphnia magna</i> (water flea))

· 12.2 Persistence and degradability No further relevant information available.

· Other information: The product is biodegradable.

· 12.3 Bioaccumulative potential No further relevant information available.

· 12.4 Mobility in soil No further relevant information available.

· 12.5 Results of PBT and vPvB assessment

· PBT: Not applicable.

· vPvB: Not applicable.

· 12.6 Endocrine disrupting properties For information on endocrine disrupting properties see section 11.

· 12.7 Other adverse effects

· Additional ecological information:

· General notes:

Must not reach sewage water or drainage ditch undiluted or unneutralised.

In accordance with the requirements of the RVO in the Act on Detergents and Cleansing Agents, tensides are biodegradable up to at least 90 %.

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

· Recommendation Disposal must be made according to official regulations

· European waste catalogue

15 00 00	WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED
15 01 00	packaging (including separately collected municipal packaging waste)
15 01 02	plastic packaging
HP3	Flammable
HP4	Irritant - skin irritation and eye damage

· Uncleaned packaging:

· Recommendation: Disposal in accordance with administrative provisions

SECTION 14: Transport information

· 14.1 UN number or ID number

· ADR, IMDG, IATA

UN1993

· 14.2 UN proper shipping name

· ADR

1993 FLAMMABLE LIQUID, N.O.S. (ISOPROPANOL (ISOPROPYL ALCOHOL))

· IMDG, IATA

FLAMMABLE LIQUID, N.O.S. (ISOPROPANOL (ISOPROPYL ALCOHOL))

(Contd. on page 8)

EU

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 12.07.2021

Version: 9 (replaces version 8)

Revision: 12.07.2021

Trade name: KDS NR 5

(Contd. of page 7)

· 14.3 Transport hazard class(es)

· ADR



- Class 3 (F1) Flammable liquids.
· Label 3

· IMDG, IATA



- Class 3 Flammable liquids.
· Label 3

· 14.4 Packing group

- ADR, IMDG, IATA III

· 14.5 Environmental hazards:

- Marine pollutant: No

· 14.6 Special precautions for user

- Warning: Flammable liquids.

- Hazard identification number (Kemler code): 30

- EMS Number: F-E,S-E

- Segregation groups Alkalis

- Stowage Category A

· 14.7 Maritime transport in bulk according to IMO instruments

Not applicable.

· Transport/Additional information:

· ADR

- Limited quantities (LQ) 5L

- Excepted quantities (EQ) Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

- Transport category 3

- Tunnel restriction code D/E

· IMDG

- Limited quantities (LQ) 5L

- Excepted quantities (EQ) Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

· UN "Model Regulation":

UN 1993 FLAMMABLE LIQUID, N.O.S. (ISOPROPANOL (ISOPROPYL ALCOHOL)), 3, III

SECTION 15: Regulatory information

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

Reg. (EC) n. 1272/2008 - CLP;

Reg. (EC) n. 2015/830 annex II of REACH;

Dir. 06/08 ADR – RID - IMDG - IATA;

Dir. 12/18 (Seveso III);

Dir. 2008/98/CE and Reg. (EC) n.1357/2014 (Waste management)

Reg (EC) n. 648/2004 - Detergents

- Labelling according to Regulation (EC) No 1272/2008 The product is classified and labelled according to the CLP regulation.

(Contd. on page 9)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 12.07.2021

Version: 9 (replaces version 8)

Revision: 12.07.2021

Trade name: KDS NR 5

(Contd. of page 8)

· **Hazard pictograms**

GHS02 GHS05

· **Signal word** Danger· **Hazard-determining components of labelling:**

Alcohols, C12-14, ethoxylated, sulfates, sodium salts

· **Hazard statements**

H226 Flammable liquid and vapour.

H318 Causes serious eye damage.

· **Precautionary statements**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor.

P403+P235 Store in a well-ventilated place. Keep cool.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Directive 2012/18/EU**· **Named dangerous substances - ANNEX I** None of the ingredients is listed.· **Seveso category** P5c FLAMMABLE LIQUIDS· **Qualifying quantity (tonnes) for the application of lower-tier requirements** 5,000 t· **Qualifying quantity (tonnes) for the application of upper-tier requirements** 50,000 t· **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3· **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

· **REGULATION (EU) 2019/1148**· **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

· **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

· **National regulations:**· **Technical instructions (air):**

Class	Share in %
NK	20.0

· **Waterhazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases**

H225 Highly flammable liquid and vapour.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

H400 Very toxic to aquatic life.

H411 Toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

(Contd. on page 10)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 12.07.2021

Version: 9 (replaces version 8)

Revision: 12.07.2021

Trade name: KDS NR 5

(Contd. of page 9)

· **Classification according to Regulation (EC) No 1272/2008** Calculation method

· **Department issuing SDS:**

Customer Service

NL: Tel: + 31 164 250 100 Fax: + 31 164 266 710

B: Tel: +32 2 347 0117 Fax: +32 2 347 1395

IT: Tel: +39 069 266 91 Fax: +39 06.927 470 61

UK: Tel: +44 151 422 1000 Fax: +44 151 422 1011

· **Contact:**

Customer Service

NL: Tel: + 31 164 250 100 Fax: + 31 164 266 710

B: Tel: +32 2 347 0117 Fax: +32 2 347 1395

IT: Tel: +39 069 266 91 Fax: +39 06.927 470 61

UK: Tel: +44 151 422 1000 Fax: +44 151 422 1011

· **Date of previous version:** 18.06.2021

· **Version number of previous version:** 8

· **Abbreviations and acronyms:**

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

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organisation

ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOCV: Lenkungsabgabe auf flüchtigen organischen Verbindungen, Schweiz (Swiss Ordinance on volatile organic compounds)

VOC: Volatile Organic Compounds (USA, EU)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

WELL: The highest acceptable concentration

IOELV: Indicative occupational exposure limit values

Flam. Liq. 2: Flammable liquids – Category 2

Flam. Liq. 3: Flammable liquids – Category 3

Acute Tox. 4: Acute toxicity – Category 4

Skin Corr. 1B: Skin corrosion/irritation – Category 1B

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation – Category 1

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

· *** Data compared to the previous version altered.**

EU