

according to 1907/2006/EC, Article 31

Printing date 18.04.2023 Version number 9 (replaces version 8) Revision: 18.04.2023

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

- 1.1 Product identifier

**KEMPEROL 022 (B)** - Trade name: S4U9-Y0TW-700K-R84S - UFI:

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

Identified use: intended for professional use only!

- Application of the substance / the mixture Waterproofing

- 1.3 Details of the supplier of the safety data sheet

- Manufacturer/Supplier: KEMPER SYSTEM GmbH & Co. KG

Holländische Strasse 32-36

34246 Vellmar

Deutschland / Germany Telefon: +49 (0)561 / 8295-0 Telefax: +49 (0)561 / 8295-5110 E-Mail: MSDS@KEMPER-SYSTEM.COM

- Further information obtainable from: research & development

Medical Emergency information in case of poisoning: - 1.4 Emergency telephone number:

Poison Information Center Mainz - 24 h - Phone: +49 (0) 6131 19240

(advisory service in German or English language)

#### **SECTION 2: Hazards identification**

- 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Acute Tox. 4 H332 Harmful if inhaled.

Skin Corr. 1A H314 Causes severe skin burns and eye damage.

Eye Dam. 1 H318 Causes serious eye damage. Skin Sens. 1 H317 May cause an allergic skin reaction.

Repr. 2 H361 Suspected of damaging fertility or the unborn child. Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.

2.2 Label elements

 Labelling according to Regulation (EC) No 1272/2008

- Hazard pictograms

The product is classified and labelled according to the CLP regulation.









GHS05

Danger

GHS07

GHS08

GHS09

Signal word

- Hazard statements

- Hazard-determining components of

labelling:

4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, reaction products

with 3-aminomethyl-3,5,5-trimethylcyclohexylamine

Benzyl alcohol Phenol, styrenated 4-tert-butylphenol

3-aminomethyl-3,5,5-trimethylcyclohexylamine

m-phenylenebis(methylamine)

Reaction mass of 4-tert-butylphenol and 1,3- phenylenedimethanamine and 2-({[3-(aminomethyl) benzyl]amino}

methyl)-4-tert-butylphenol 3,3,5-trimethylhexamethylene-diamine

H332 Harmful if inhaled.

H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction. H361 Suspected of damaging fertility or the unborn child.

H411 Toxic to aquatic life with long lasting effects.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water - Precautionary statements

[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.

Immediately call a POISON CENTER/doctor. P310

P362+P364 Take off contaminated clothing and wash it before reuse.

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P405 Store locked up.

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

regulations.

2.3 Other hazards

- Results of PBT and vPvB assessment

- PBT: Not applicable. - vPvB: Not applicable.

- Determination of endocrine-disrupting properties		
61788-44-	Phenol, styrenated	List II
98-54-	4-tert-butylphenol	List I, II

### **SECTION 3: Composition/information on ingredients**

3.2 Mixtures

- Description: Mixture: consisting of the following components.

CAS: 61788-44-1	Phenol, styrenated	>25-<50%
EINECS: 262-975-0	Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Skin Sens. 1A, H317	
CAS: 38294-64-3 NLP: 500-101-4	4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, reaction products with 3-aminomethyl-3,5,5-trimethylcyclohexylamine Skin Corr. 1B, H314; Eye Dam. 1, H318; Skin Sens. 1, H317; Aquatic Chronic 3, H412	≥12.5-<25%
CAS: 100-51-6 EINECS: 202-859-9	Benzyl alcohol Acute Tox. 4, H302; Acute Tox. 4, H332; Eye Irrit. 2, H319	≥10-≤25%
CAS: 9046-10-0	Polyoxypropylenediamine Skin Corr. 1B, H314; Eye Dam. 1, H318; Aquatic Chronic 3, H412	≥5-<25%
CAS: 90-72-2 EINECS: 202-013-9	2,4,6-tris(dimethylaminomethyl)phenol Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319	≥10-≤25%
CAS: 98-54-4 EINECS: 202-679-0	4-tert-butylphenol Repr. 2, H361f; Eye Dam. 1, H318; Aquatic Chronic 1, H410; Skin Irrit. 2, H315	≥12.5-<25%
CAS: 1477-55-0 EINECS: 216-032-5	m-phenylenebis(methylamine) Skin Corr. 1B, H314; Eye Dam. 1, H318; Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Sens. 1, H317; Aquatic Chronic 3, H412, EUH071	≥5-<10%
EC number: 939-071-6	Reaction mass of 4-tert-butylphenol and 1,3- phenylenedimethanamine and 2-({[3-(aminomethyl) benzyl]amino}methyl)-4-tert-butylphenol Repr. 2, H361; Skin Corr. 1A, H314; Eye Dam. 1, H318; Skin Sens. 1, H317; STOT SE 3, H335	≥5-<10%
CAS: 2855-13-2 EINECS: 220-666-8	3-aminomethyl-3,5,5-trimethylcyclohexylamine Skin Corr. 1B, H314; Eye Dam. 1, H318; Acute Tox. 4, H302; Skin Sens. 1A, H317; Aquatic Chronic 3, H412 ATE: LD50 oral: 1,030 mg/kg Specific concentration limit: Skin Sens. 1A; H317: C ≥ 0.001 %	≥5-≤10%
CAS: 25513-64-8 EINECS: 247-063-2	3,3,5-trimethylhexamethylene-diamine Skin Corr. 1C, H314; Eye Dam. 1, H318; Acute Tox. 4, H302; Skin Sens. 1, H317	≥3-<5%

98-54-4 4-tert-butylphenol

- After inhalation:

- After skin contact:

- Additional information: For the wording of the listed hazard phrases refer to section 16.

#### **SECTION 4: First aid measures**

- 4.1 Description of first aid measures

- General information: Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours

after the accident.

Do not leave affected persons unattended. Personal protection for the First Aider.

Take affected persons out of danger area and lay down.

In case of unconsciousness place patient stably in side position for transportation.

Supply fresh air; consult doctor in case of complaints. Immediately wash with water and soap and rinse thoroughly.

Seek medical treatment in case of complaints.

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- After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

Protect unharmed eye.

- After swallowing:

- 4.2 Most important symptoms and effects,

both acute and delayed

- 4.3 Indication of any immediate medical attention and special treatment needed

If symptoms persist consult doctor.

No further relevant information available.

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.

Use fire extinguishing methods suitable to surrounding conditions.

- For safety reasons unsuitable extinguishing

5.2 Special hazards arising from the

substance or mixture

Water with full jet

Formation of toxic gases is possible during heating or in case of fire.

Nitrogen oxides (NOx) Carbon monoxide (CO)

- 5.3 Advice for firefighters

- Protective equipment:

Do not inhale explosion gases or combustion gases.

 Additional information Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

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

- 6.1 Personal precautions, protective

- 6.4 Reference to other sections

equipment and emergency procedures Wear protective equipment. Keep unprotected persons away.

Avoid contact with skin and eyes Ensure adequate ventilation

- 6.2 Environmental precautions: Inform respective authorities in case of seepage into water course or sewage system.

> Prevent from spreading (e.g. by damming-in or oil barriers). Do not allow to enter sewers/ surface or ground water.

- 6.3 Methods and material for containment

and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to item 13.

Do not flush with water or aqueous cleansing agents

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 Store in cool, dry place in tightly closed receptacles.

8 A

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

- 7.2 Conditions for safe storage, including any incompatibilities

Storage:

- Requirements to be met by storerooms and receptacles:

Store only in the original receptacle.

- Information about storage in one common storage facility:

Store away from foodstuffs.

Further information about storage conditions:

Protect from frost. Store in dry conditions. Keep container tightly sealed.

Recommended storage temperature: 5-30 °C

- Storage class:

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- 7.3 Specific end use(s) No further relevant information available. (Contd. of page 3)

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

8.1 Control parameters

- Ingredients with limit values that require monitoring at the workplace:

1477-55-0 m-phenylenebis(methylamine)

OEL Long-term value: 0.1 mg/m<sup>3</sup>

Regulatory information

OEL: 2021 CoP for the Safety, Health and Welfare at Work

- DNELs

38294-64-3 4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, reaction products with 3-aminomethyl-3,5,5trimethylcyclohexylamine

Inhalative | Acute - systemic effects | 2.33 mg/m³ (Worker) (GESTIS DNEL List (June 2018))

100-51-6 Benzyl alcohol

Inhalative Acute - systemic effects 25.8 mg/m³ (Worker) (GESTIS DNEL List (June 2018))

1477-55-0 m-phenylenebis(methylamine)

Inhalative | Acute - systemic effects | 1.2 mg/m³ (Worker) (GESTIS DNEL List (June 2018)) Acute - local effects 0.2 mg/m3 (Worker) (GESTIS DNEL List (June 2018))

- Additional information:

- 8.2 Exposure controls

The lists valid during the making were used as basis.

- Appropriate engineering controls No further data; see item 7. - Individual protection measures, such as personal protective equipment

- General protective and hygienic measures: The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

- Respiratory protection: When used properly and under normal conditions, breathing protection is not required.

Use suitable respiratory protective device in case of insufficient ventilation.

Filter A/P2

Respiratory protection - Gas filters and combination filters according to (DIN EN 141)

- Hand protection



Protective gloves

Check protective gloves prior to each use for their proper condition. Only use chemical-protective gloves with CE-labelling of category III.

The glove material has to be impermeable and resistant to the product/ the substance/ the

preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the

degradation

After use of gloves apply skin-cleaning agents and skin cosmetics.

 Material of gloves Recommended materials:

Butyl rubber, BR

Recommended thickness of the material: ≥ 0.5 mm

Penetration time (min.): < 480

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality

Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

and varies from manufacturer to manufacturer. The determined penetration times according to EN 16523-1:2015 are not performed under practical conditions.

- Penetration time of glove material

- As protection from splashes gloves made of the following materials are suitable: Nitrile rubber, NBR

Recommended thickness of the material: ≥ 0.1 mm

Penetration time (min.): < 10

- Eye/face protection



Tightly sealed goggles

Protective goggles and facial protection - Classification according to EN 166





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950 mm<sup>2</sup>/s

Not determined.

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- Body protection: Protective work clothing

protective clothing (EN 13034)

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#### **SECTION 9: Physical and chemical properties**

- 9.1 Information on basic physical and chemical properties

- General Information

- 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 201 °C - Flammability Not applicable.

- Lower and upper explosion limit

Not determined. - Lower: - Upper: Not determined. - Flash point: 70 °C

- Decomposition temperature: Not determined. 11

- pH at 20 °C

 Viscosity: - Kinematic viscosity at 20 °C

- Dynamic: Not determined. - Solubility - water: Fully miscible.

- Partition coefficient n-octanol/water (log value)

- Density and/or relative density - Density at 20 °C: 1.05 g/cm<sup>3</sup> - 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.

Auto-ignition temperature: Product is not selfigniting.

- Explosive properties: Product does not present an explosion hazard.

Solvent separation test:

- VOC (EC) 2.60 %

- 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 Void - Flammable solids Void

- Self-reactive substances and mixtures Void - Pyrophoric liquids Void

- Pyrophoric solids Void - 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

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- 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

No decomposition if used according to specifications.

- 10.3 Possibility of hazardous reactions

No dangerous reactions known.

- 10.4 Conditions to avoid

The product must be kept away from heat sources, open flames, other ignition sources and direct sunlight.

- 10.5 Incompatible materials:

Amines, acids, alkalis, strong oxidants, alcohols Avoid contact with metals such as: Brass, bronze, copper, copper alloys.

- 10.6 Hazardous decomposition products:

Carbon monoxide and carbon dioxide

Ammonia Phenol Hydrocarbons

### **SECTION 11: Toxicological information**

- 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008					
- Acute toxi	•	Harmful if inhaled.			
- LD/LC50 values relevant for classification:					
61788-44-1 Phenol, styrenated					
Oral		>2,000 mg/kg (rat)			
		>2,000 mg/kg (rabbit)			
100-51-6 E					
		1,610 mg/kg (rat) (Loeser 1978)			
		4.178 mg/l (rat) (OECD 403)			
		ropylenediamine			
		2,885 mg/kg (rat)			
Dermal		2,980 mg/kg (rabbit)			
		772 mg/l (Oncorhynchus mykiss (Regenbogenforelle)) (96h, Lit.1 (OECD 203))			
· .		methylaminomethyl)phenol			
		2,169 mg/kg (rat) (OECD 401)			
Dermal	LD50	>2,000 mg/kg (rabbit)			
	LC50	84 mg/l (Scenedesmus subspicatus) (72h; OECD TG 201)			
98-54-4 4-	tert-butylp	phenol			
Oral		>2,000 mg/kg (rat) (OECD Guideline 401 (Acute Oral Toxicity))			
Dermal	LD50	>2,000 mg/kg (rabbit) (OECD Guideline 402 (Acute Dermal Toxicity))			
Inhalative	LC50/4 h	>833 mg/l (rat) (OECD Guideline 403 (Acute Inhalation Toxicity))			
1477-55-0	m-phenyl	enebis(methylamine)			
Oral	LD50	940 mg/kg (rat)			
Inhalative	LC50/4 h	1.34 mg/l (rat) (OECD Guideline 403 (Acute Inhalation Toxicity))			
2855-13-2	3-aminon	nethyl-3,5,5-trimethylcyclohexylamine			
Oral	LD50	1,030 mg/kg (ATE)			
		1,030 mg/kg (rat)			
Dermal	LD50	>2,000 mg/kg (rat) (OECD 402)			
25513-64-8 3,3,5-trimethylhexamethylene-diamine					
Oral	LD50	500 mg/kg (ATE)			
- Skin corrosion/irritation Causes severe skin burns and eye damage.					

- Skin corrosion/irritation - Serious eye damage/irritation

Causes serious eye damage. - Respiratory or skin sensitisation May cause an allergic skin reaction.

- Germ cell mutagenicity - Carcinogenicity

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

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- Reproductive toxicity

STOT-single exposure
 STOT-repeated exposure

- Aspiration hazard

Suspected of damaging fertility or the unborn child.

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

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

- Additional toxicological information:

- CMR effects (carcinogenity, mutagenicity

and toxicity for reproduction)

- 11.2 Information on other hazards

Repr. 2

- Endocrine disrupting properties		
61788-44-1	Phenol, styrenated	List II
98-54-4	4-tert-butylphenol	List I, II

#### **SECTION 12: Ecological information** - 12.1 Toxicity Aquatic toxicity: 61788-44-1 Phenol, styrenated LL 50 14.8 mg/l (fish) (96h) EL50 3.14 mg/l (Scenedesmus subspicatus) (72h) 1-10 mg/l (Daphnia magna) (48h) 38294-64-3 4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, reaction products with 3-aminomethyl-3,5,5trimethylcyclohexylamine LL 50 70.7 mg/l (Oncorhynchus mykiss (Regenbogenforelle)) (96h; OECD 203 stat.test) EL50 79.4 mg/l (Pseudokirchneriella subcapitata) (72h; stat.test; OECD 201) 11.1 mg/l (Daphnia magna) (48h. stat.test: OECD 202) EC50 >1,000 mg/l (Belebtschlamm) (OECD 209) 100-51-6 Benzyl alcohol NOEC 51 mg/kg (Daphnia magna) (OECD 211) 700 mg/l (ALGAE) (72 h) IC50 LC50/96 h 460 mg/l (Pimephales promelas) 10 mg/l (Blauer Sonnenbarsch -Lepomis macrochirus) NOEC 200 mg/l (mouse) (OECD 453) 400 mg/l (rat) (OECD 453) EC50 360 mg/l (Daphnia magna) ((48h) Bringmann, Kuehn, 1959) EC50 770 mg/l (Pseudokirchneriella subcapitata) (OECD 201) EC50 2,100 mg/l (Belebtschlamm) (OECD 209; 49h) 9046-10-0 Polyoxypropylenediamine EC50 80 mg/l (Daphnia magna) (48h; OECD 202 static) EC50 15 mg/l (Pseudokirchneriella subcapitata) (72h; OECD 201 static) 90-72-2 2,4,6-tris(dimethylaminomethyl)phenol LC50/96 h 175 mg/l (Cyprinus Carpio) (96h) EC50 750 mg/l (daphnia) (96h) EC50 222 mg/l (Oncorhynchus mykiss (Regenbogenforelle)) (24h) 98-54-4 4-tert-butylphenol 2.4 mg/l (ALGAE) (OECD 201) EC50 >1 mg/l (fish) (OECD 203 (96 hr)) 4.8 mg/l (Daphnia magna) (OECD 202 (48 hr)) 1477-55-0 m-phenylenebis(methylamine) LC50/96 h 87.6 mg/l (oryzias latipes (Ricefish)) EC50 15.2 mg/l (daphnia) (48h) Reaction mass of 4-tert-butylphenol and 1,3- phenylenedimethanamine and 2-({[3-(aminomethyl) benzyl]amino}methyl)-4-tert-butylphenol LL 50 7.9 mg/l (Oncorhynchus mykiss (Regenbogenforelle)) (96h; OECD 203)

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EL50	4.94 mg/l (Pseudokirchneriella subcapitata) (72h; OECD 201)		
	8.98 mg/l (Daphnia magna) (48h; OECD 202)		
EC50	66 mg/l (Belebtschlamm) (3h, OECD 209)		
2855-13-2	2855-13-2 3-aminomethyl-3,5,5-trimethylcyclohexylamine		
LC50/96 h	110 mg/l (Brachydanio rerio (Ricefish))		
EC50	23 mg/l (daphnia)		
	15.2 mg/l (Daphnia magna)		
EC50	37 mg/l (Scenedesmus subspicatus)		
LC 50	87.6 mg/l (oryzias latipes (Ricefish)) (96h)		
25513-64-8	25513-64-8 3,3,5-trimethylhexamethylene-diamine		
EC50	29.5 mg/l (Scenedesmus subspicatus) (72h)		
LC50	174 mg/l (Leuciscus idus melanotus) (72h)		
- 12.2 Persistence and degradability No further relevant information available.			

- 12.3 Bioaccumulative potential

- 12.4 Mobility in soil

- 12.5 Results of PBT and vPvB assessment

- PBT: - vPvB:

- 12.6 Endocrine disrupting properties

- 12.7 Other adverse effects

- Additional ecological information:

- General notes:

No further relevant information available. No further relevant information available.

Not applicable.

Not applicable. For information on endocrine disrupting properties see section 11.

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

Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water Do not allow product to reach ground water, water course or sewage system, even in small quantities.

Danger to drinking water if even extremely small quantities leak into the ground.

#### **SECTION 13: Disposal considerations**

- 13.1 Waste treatment methods

- Recommendation Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Disposal according to official regulations

- European waste catalogue

08 04 09\* | waste adhesives and sealants containing organic solvents or other hazardous substances

15 01 10\* packaging containing residues of or contaminated by hazardous substances

17 02 03 plastic

- IATA

- Uncleaned packaging:

- Recommendation: Disposal must be made according to official regulations.

### **SECTION 14: Transport information**

- 14.1 UN number or ID number	
- ADR, IMDG, IATA	UN2735

- 14.2 UN proper shipping name

- ADR 2735 POLYAMINES, LIQUID, CORROSIVE, N.O.S. (Polyoxypropylenediamine, 3-

aminopropyldimethylamine), ENVIRONMENTALLY HAZÁRDOUS

- IMDG POLYAMINES, LIQUID, CORROSIVE, N.O.S. (Polyoxypropylenediamine, 3aminopropyldimethylamine), MARINE POLLUTANT

POLYAMINES, LIQUID, CORROSIVE, N.O.S. (Polyoxypropylenediamine, 3-

aminopropyldimethylamine)

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(Contd. of page 8) - 14.3 Transport hazard class(es) - ADR Class 8 (C7) Corrosive substances. - Label - IMDG Class 8 Corrosive substances. - Label - IATA - Class 8 Corrosive substances. - Label - 14.4 Packing group - ADR, IMDG, IATA Ш - 14.5 Environmental hazards: - Marine pollutant: Symbol (fish and tree) - Special marking (ADR): Symbol (fish and tree) - 14.6 Special precautions for user Warning: Corrosive substances. - Hazard identification number (Kemler code): 80 - EMS Number: F-A,S-B - Segregation groups (SGG18) Alkalis - Stowage Category - Segregation Code SG35 Stow "separated from" SGG1-acids - 14.7 Maritime transport in bulk according to IMO instruments Not applicable. - Transport/Additional information: - ADR - Limited quantities (LQ) - Excepted quantities (EQ) Code: F2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml - Transport category - Tunnel restriction code Е - 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 2735 POLYAMINES, LIQUID, CORROSIVE, N.O.S. (POLYOXYPROPYLENEDIAMINE, 3-AMINOPROPYLDIMETHYLAMINE), 8, II, ENVIRONMENTALLY HAZARDOUS





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#### **SECTION 15: Regulatory information**

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

- Directive 2012/18/EU

- Named dangerous substances - ANNEX I None of the ingredients is listed.

- Seveso category - Qualifying quantity (tonnes) for the E2 Hazardous to the Aquatic Environment

application of lower-tier requirements

200 t

- Qualifying quantity (tonnes) for the application of upper-tier requirements

500 t

- REGULATION (EC) No 1907/2006 ANNEX

Conditions of restriction: 3 XVII

- 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.

Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

- Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

- National regulations:

- Other regulations, limitations and prohibitive regulations

- Substances of very high concern (SVHC) according to REACH, Article 57

98-54-4 4-tert-butylphenol

- 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.

The safety data sheet issued is also compliant with the regulation Annex I of Regulation (EU) no. 453/2010 and Annex II of Regulation (EU) no. 2020/878.

- Relevant phrases

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.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H361 Suspected of damaging fertility or the unborn child.

H361f Suspected of damaging fertility.

H410 Very toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.

EUH071 Corrosive to the respiratory tract.

- Department issuing SDS: - Contact:

research & development research & development

- Date of previous version:

19.07.2021

- Version number of previous version: - Abbreviations and acronyms:

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

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage

(Contd. on page 11)





## according to 1907/2006/EC, Article 31

Version number 9 (replaces version 8) Printing date 18.04.2023 Revision: 18.04.2023

Trade name: KEMPEROL 022 (B)

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

VOC: Volatile Organic Compounds (USA, EU) DNEL: Derived No-Effect Level (REACH) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern vPvB: very Persistent and very Bioaccumulative Acute Tox. 4: Acute toxicity – Category 4
Skin Corr. 1A: Skin corrosion/irritation – Category 1A
Skin Corr. 1B: Skin corrosion/irritation – Category 1B Skin Corr. 1C: Skin corrosion/irritation – Category 1C Skin Irrit. 2: Skin corrosion/irritation – Category 2

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

Skin Sens. 1A: Skin sensitisation – Category 1A

Repr. 2: Reproductive toxicity – Category 2

Repr. 2: Reproductive toxicity – Category 2

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

Aquatic Chronic 1: Hazardous to the aquatic environment – long-term aquatic hazard – Category 1

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

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

- www.echa.europa.eu

- www.baua.de

IFA: Institute für Occupational Safety and Health of the German Social Accident Insurance:

- www.dguv.de/ifa/gestis/gestis-stoffdatenbank/index.jsp
- www.dguv.de/ifa/gestis/gestis-dnel-liste

- \* Data compared to the previous version altered.

- Sources