

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

Version number 8 (replaces version 7) Printing date 19.11.2021 Revision: 19.11.2021

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

- 1.1 Product identifier

**KEMPERTEC AC Repair Mortar** - Trade name: G8K8-Q052-G00D-3M5J - 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

Knife filler/ Surfacer

- 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

- 1.4 Emergency telephone number:

Giftinformationszentrum der Länder Rheinland-Pfalz und Hessen

Langenbeckstraße 1; Gebäude 601; 55131 Mainz

Tel. Nr.: +49 (0)6131 / 19 24 0

Universitätsmedizin der Johannes Gutenberg-Universität Mainz

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

- 2.1 Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008

Flam. Liq. 2 H225 Highly flammable liquid and vapour.

Skin Irrit. 2 H315 Causes skin irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction.

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.



GHS02

Danger



- Signal word

- Hazard statements

- Hazard-determining components of

labelling:

methyl methacrylate 2-ethylhexyl acrylate

Triethylene glycol dimethacrylate

Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and Ethanol 2-[[2-(2-hydroxyethoxy)ethyl](4-

methylphenyl)amino]-

Fatty acids, C18, unsatd., dimers, reaction products with N,N-dimethyl-1,3-propanediamine and 1,3-

propanediamine

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

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

Use explosion-proof [electrical/ventilating/lighting] equipment. P241

P261 Avoid breathing dust/fume/gas/mist/vapours/spray

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

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

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

- Additional information: EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or

mist.

- 2.3 Other hazards

- Results of PBT and vPvB assessment

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

(Contd. on page 2)





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

Version number 8 (replaces version 7) Printing date 19.11.2021 Revision: 19.11.2021

Trade name: KEMPERTEC AC Repair Mortar

(Contd. of page 1)

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

- 3.2 Mixtures

- Description: Mixture: consisting of the following components.

- Dangerous components:				
CAS: 80-62-6	methyl methacrylate	10-12.5%		
EINECS: 201-297-1	Flam. Līq. 2, H225; Skin Irrit. 2, H315; Skin Sens. 1, H317; STOT SE 3, H335			
CAS: 103-11-7	2-ethylhexyl acrylate	10-12.5%		
EINECS: 203-080-7	Skin Irrit. 2, H315; Skin Sens. 1, H317; STOT SE 3, H335; Aquatic Chronic 3, H412			
CAS: 13463-67-7	titanium dioxide	0.5-2.5%		
EINECS: 236-675-5	Carc. 2, H351			
CAS: 109-16-0	Triethylene glycol dimethacrylate	≥0.5-<1%		
EINECS: 203-652-6	Skin Sens. 1, H317			
EC number: 911-490-9	Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and Ethanol 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)	≥0.1-<0.5%		
	amino]-			
	Eye Dam. 1, H318; Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317; Aquatic Chronic 3, H412			
CAS: 162627-17-0	Fatty acids, C18, unsatd., dimers,reaction products with N,N-dimethyl-1,3-propanediamine and 1,3-propanediamine	≥0.1-<0.5%		
EC number: 605-296-0	Skin Sens. 1, H317	ľ		

- 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.

- After inhalation: In case of unconsciousness place patient stably in side position for transportation.

Supply fresh air; consult doctor in case of complaints.

- After skin contact: Immediately wash with water and soap and rinse thoroughly. Seek medical treatment in case of complaints.

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

Protect unharmed eve.

- After swallowing: If symptoms persist consult doctor.

- 4.2 Most important symptoms and effects,

both acute and delayed

4.3 Indication of any immediate medical

attention and special treatment needed

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 equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation Keep away from ignition sources. Avoid contact with skin and eyes

(Contd. on page 3)

(Contd. of page 2)



# Safety data sheet

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

Printing date 19.11.2021 Version number 8 (replaces version 7) Revision: 19.11.2021

Trade name: KEMPERTEC AC Repair Mortar

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

Prevent from spreading (e.g. by damming-in or oil barriers). - 6.3 Methods and material for containment

and cleaning up:

- 6.2 Environmental precautions:

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

Dispose contaminated material as waste according to item 13.

- 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 Store in cool, dry place in tightly closed receptacles.

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

- 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 only in the original receptacle.

- Information about storage in one common storage facility:

Further information about storage

conditions:

Store away from foodstuffs.

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

Recommended storage temperature: 5-30 °C

- Storage class:

- 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:

80-62-6 methyl methacrylate

OEL Short-term value: 100 ppm Long-term value: 50 ppm

IOELV, Sens

- Regulatory information OEL: 2020 CoP for the Safety, Health and Welfare at Work - 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: 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.

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.

(Contd. on page 4)

(Contd. of page 3)



# Safety data sheet

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

Printing date 19.11.2021 Version number 8 (replaces version 7) Revision: 19.11.2021

Trade name: KEMPERTEC AC Repair Mortar

- 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 and varies from manufacturer to manufacturer.

The determined penetration times according to EN 16523-1:2015 are not performed under practical - Penetration time of glove material

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

recommended.

- 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

- Body protection: protective clothing (EN 13034)

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

- 9.1 Information on basic physical and chemical properties

- General Information

- Colour: Grey

- Odour: Characteristic - Odour threshold: Not determined

- Melting point/freezing point: Undetermined.

- Boiling point or initial boiling point and boiling range 100 °C - Flammability Not applicable.

- Lower and upper explosion limit

- Lower: Not determined.

Not determined. - Upper: - Flash point: 10 °C

Product is not selfigniting. - Auto-ignition temperature:

- Decomposition temperature: Not determined. - pH Not determined.

- Viscosity:

- Kinematic viscosity

Not determined. - Dynamic: Not applicable. Not determined.

- Solubility

- water:

- Partition coefficient n-octanol/water (log value) Not determined.

- Density and/or relative density - Density at 20 °C: 1.4 g/cm<sup>3</sup>

- Relative density Not determined. - Vapour density Not determined.

- 9.2 Other information

Appearance:

- Form: Pastv

- Important information on protection of health and environment, and on

safety.

- Ignition temperature: Not determined.

- Explosive properties: Product is not explosive. However, formation of explosive air/vapour mixtures

are possible.

Not miscible or difficult to mix.

- Solvent content:

- Organic solvents: <0.7 % - VOC (EC) 3.80 %

- Change in condition - Evaporation rate Not determined.

- Information with regard to physical hazard classes

- Explosives

Void

(Contd. on page 5)





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

Printing date 19.11.2021 Version number 8 (replaces version 7) Revision: 19.11.2021

Trade name: KEMPERTEC AC Repair Mortar

(Contd. of page 4) - Flammable gases Void - Aerosols Void - Oxidising gases Void - Gases under pressure Void - Flammable liquids Highly flammable liquid and vapour. - 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 - 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:

- 10.3 Possibility of hazardous reactions

- 10.4 Conditions to avoid

- 10.5 Incompatible materials:

- 10.6 Hazardous decomposition products:

No decomposition if used according to specifications.

Exothermic polymerisation.

Reacts with peroxides.

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

80-62-6 methyl methacrylate

Oral LD50 >5,000 mg/kg (rat) Dermal LD50 >5,000 mg/kg (rabbit) Inhalative LC50/4 h 29.8 mg/l (rat)

(Contd. on page 6)

List II



# Safety data sheet

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

Printing date 19.11.2021 Version number 8 (replaces version 7) Revision: 19.11.2021

Trade name: KEMPERTEC AC Repair Mortar

			(Contd. of page 5)			
103-11-7	103-11-7 2-ethylhexyl acrylate					
Oral	LD50	4,435 mg/kg (rat) (IUCLID	J)			
Dermal	LD50	7,522 mg/kg (rabbit) (IUCL	LID)			
109-16-0	Triethylen	ne glycol dimethacrylate				
Oral	LD50	10,066 mg/kg (rat)				
Inhalative	LC50/4 h	>2,000 mg/l (mouse)				
	Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and Ethanol 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino]-					
Oral	LD50	619 mg/kg (rat) (OECD 40				
Dermal	LD50	>2,000 mg/kg (rat) (OECD	,			
162627-1	162627-17-0 Fatty acids, C18, unsatd., dimers, reaction products with N,N-dimethyl-1,3-propanediamine and 1,3-propanediamine					
Oral	LD50	>10,000 mg/kg (rat) (OEC	CD 401)			
	- Skin corrosion/irritation		Causes skin irritation.			
	- Serious eye damage/irritation		Based on available data, the classification criteria are not met.			
	<ul> <li>Respiratory or skin sensitisation</li> </ul>		May cause an allergic skin reaction.			
	- Germ cell mutagenicity		Based on available data, the classification criteria are not met.			
	- Carcinogenicity		Based on available data, the classification criteria are not met.			
- Reproduc	- 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-rep	- STOT-repeated exposure		Based on available data, the classification criteria are not met.			
- Aspiratio	- Aspiration hazard		Based on available data, the classification criteria are not met.			
- 11.2 Infor	- 11.2 Information on other hazards					
- Endocrin	- Endocrine disrupting properties					

128-37-0 2,6-di-tert-butyl-p-cresol

- 12.2 Persistence and degradability

		ological information
- 12.1 Toxici		
- Aquatic tox		
80-62-6 me		<u>, , , , , , , , , , , , , , , , , , , </u>
		37 mg/l (Daphnia magna) (21 days; OECD 202 Part 2, flow)
		37 mg/l (Scenedesmus quadricauda) (DIN 38412 Part 9; 8d)
	EC0	100 mg/l (Pseudomonas putida)
		69 mg/l (Daphnia magna) (48 h; OECD 202)
		>79 mg/l (Oncorhynchus mykiss (Regenbogenforelle)) (96 h; OECD 203)
103-11-7 2-	, ,	•
Inhalative L		1.19 mg/l (rat) (OECD 403)
L	_C50/96 h	1.8 mg/l (Oncorhynchus mykiss (Regenbogenforelle))
E	EC50	17 mg/l (Daphnia magna) (48h; IUCLID)
E	EC50	>10,000 mg/l (Pseudomonas putida) (30 min.; IUCLID)
I.	C50	44 mg/l (DESMODESMUS SUBSPICATUS) (72h, IUCLID)
L	_C50	23 mg/l (Leuciscus idus (Goldorfe)) (48h; IUCLID)
64742-82-1	Naphtha	(petroleum), hydrodesulfurized heavy
E	ErC50	4.1 mg/l (Pseudokirchneriella subcapitata) (72h, OECD 202)
L	_C50	10-30 mg/l (Oncorhynchus mykiss (Regenbogenforelle)) (96h; OECD 203)
E	EC50	10-22 mg/l (Daphnia magna) (48h; OECD 202)
Reaction m	nass of 2,2	2'-[(4-methylphenyl)imino]bisethanol and Ethanol 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino]-
L	_C50/96 h	>100 mg/l (Cyprinus Carpio) (OECD 203 (96 hr))
E	EC50	>100 mg/l (Scenedesmus subspicatus) (OECD 201; static)
E	EC50	48 mg/l (Daphnia magna) (OECD 202; part 1 static)
E	EC50	>100 mg/l (Cyprinus Carpio) (96h; OECD 203; ISO 7346; 92/69/CEE; C.1 static)
١	NOEC	>100 mg/l (Scenedesmus subspicatus) (OECD 201, static)
162627-17-	0 Fatty ac	ids, C18, unsatd., dimers,reaction products with N,N-dimethyl-1,3-propanediamine and 1,3-propanediamine
E	ErC50	>100 mg/l (Pseudokirchneriella subcapitata) (72h; OECD 201; stat. test)
I	C50	>430 mg/l (Pseudomonas putida) (16h; DIN 38412; L8)
E	EC50	>100 mg/l (Daphnia magna) (48h; OECD 202; stat. test)
L	_C50	>150 mg/l (Leuciscus idus (Goldorfe)) (48h; DIN 38412 stat. test)

No further relevant information available.

(Contd. on page 7)

(Contd. of page 6)



# Safety data sheet

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

Version number 8 (replaces version 7) Revision: 19.11.2021 Printing date 19.11.2021

#### Trade name: KEMPERTEC AC Repair Mortar

- 12.3 Bioaccumulative potential No further relevant information available. - 12.4 Mobility in soil No further relevant information available

Not applicable.

Not applicable.

- 12.5 Results of PBT and vPvB assessment

- PBT:

- vPvR

- 12.6 Endocrine disrupting properties

- 12.7 Other adverse effects

- Additional ecological information:

- General notes:

For information on endocrine disrupting properties see section 11.

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

- 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 UN1993

- 14.2 UN proper shipping name

- ADR 1993 FLAMMABLE LIQUID, N.O.S. (METHYL METHACRYLATE MONOMER,

STABILIZED)

- IMDG, IATA FLAMMABLE LIQUID, N.O.S. (METHYL METHACRYLATE MONOMER, STABILIZED)

- 14.3 Transport hazard class(es)

- ADR



- Class 3 (F1) Flammable liquids.

- Label

- IMDG, IATA



- Class 3 Flammable liquids.

- Label

- 14.4 Packing group

- ADR, IMDG, IATA

- 14.5 Environmental hazards: Not applicable.

- 14.6 Special precautions for user Warning: Flammable liquids.

- Hazard identification number (Kemler code):

33 F-E,S-E

- EMS Number:

- Stowage Category

- 14.7 Maritime transport in bulk according to IMO instruments Not applicable.

(Contd. on page 8)





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

Printing date 19.11.2021 Version number 8 (replaces version 7) Revision: 19.11.2021

Trade name: KEMPERTEC AC Repair Mortar

(Contd. of page 7) Transport/Additional information: - 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 D/E - IMDG - Limited quantities (LQ) - Excepted quantities (EQ) Code: F2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml - UN "Model Regulation": UN 1993 FLAMMABLE LIQUID, N.O.S. (METHYL METHACRYLATE MONOMER, STABILIZED), 3, II

#### **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
 Seveso category
 None of the ingredients is listed.
 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.

- 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.

- **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
 H225 Highly flammable liquid and vapour.

H302 Harmful if swallowed. H315 Causes skin irritation.

H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H335 May cause respiratory irritation. H351 Suspected of causing cancer.

H412 Harmful to aquatic life with long lasting effects.

Department issuing SDS:
 Contact:
 research & development research & development

- Date of previous version: 21.07.2021

- Version number of previous version:

- Abbreviations and acronyms:

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

(Contd. on page 9)





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

Printing date 19.11.2021 Version number 8 (replaces version 7) Revision: 19.11.2021

Trade name: KEMPERTEC AC Repair Mortar

(Contd. of page 8)

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)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative Flam. Liq. 2: Flammable liquids – Category 2 Acute Tox. 4: Acute toxicity – Category 4
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Skin Sens. 1: Skin sensitisation – Category 1
Carc. 2: Carcinogenicity – Category 2

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

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