

according to 1907/2006/EC, Article 31

Version number 4 (replaces version 3) Printing date 11.03.2022 Revision: 11.03.2022

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

- 1.1 Product identifier

**KEMPERPLAN Primer** - Trade name: SCE9-J0YR-K00U-6DA5 - 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 - 1.3 Details of the supplier of the safety data sheet

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

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

Giftinformationszentrum der Länder Rheinland-Pfalz und Hessen - 1.4 Emergency telephone number:

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. 3 H226 Flammable liquid and vapour. Acute Tox. 4 H312 Harmful in contact with skin. Acute Tox. 4 H332 Harmful if inhaled.

Skin Irrit. 2 H315 Causes skin irritation. Eye Irrit. 2 H319 Causes serious eye irritation. STOT SE 3 H335 May cause respiratory irritation.

STOT RE 2 H373 May cause damage to the central nervous system, the kidneys, the liver and the hearing organs through prolonged or repeated

exposure. Route of exposure: Inhalation.

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways. Aquatic Chronic 3 H412 Harmful 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.



Danger



GHS07



- Signal word

- Hazard-determining components of

labelling:

reaction mass of ethylbenzene and xylene

xylene ethylbenzene

- Hazard statements H226 Flammable liquid and vapour.

H312+H332 Harmful in contact with skin or if inhaled.

H315 Causes skin irritation. H319 Causes serious eye irritation. H335 May cause respiratory irritation.

May cause damage to the central nervous system, the kidneys, the liver and the hearing H373

organs through prolonged or repeated exposure. Route of exposure: Inhalation.

H304 May be fatal if swallowed and enters airways. H412 Harmful to aquatic life with long lasting effects

IF SWALLOWED: Immediately call a POISON CENTER/ doctor. - Precautionary statements P301+P310

P331 Do NOT induce vomiting.

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.

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.

- Additional information: EUH208 Contains p-tert-butylphenyl 1-(2,3-epoxy)propyl ether. May produce an allergic reaction.

- 2.3 Other hazards

- Results of PBT and vPvB assessment

- PBT: - vPvB:

Not applicable. Not applicable.

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

- 3.2 Mixtures

- Description: Mixture: consisting of the following components.

-		
- Dangerous componen	ts:	
	reaction mass of ethylbenzene and xylene Flam. Liq. 3, H226; STOT RE 2, H373; Asp. Tox. 1, H304; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335; Aquatic Chronic 3, H412	25-50%
EINECS: 215-535-7	xylene Flam. Liq. 3, H226; STOT RE 2, H373; Asp. Tox. 1, H304; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	25-50%
	ethylbenzene Flam. Liq. 2, H225; STOT RE 2, H373; Asp. Tox. 1, H304; Acute Tox. 4, H332; Aquatic Chronic 3, H412	≥12.5-<25%
	p-tert-butylphenyl 1-(2,3-epoxy)propyl ether Aquatic Chronic 2, H411; Skin Sens. 1, H317	≥0.5-<1%

- 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: 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.

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 eye. If symptoms persist consult doctor.

- After swallowing: - 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. Use fire extinguishing methods suitable to surrounding conditions.

- 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.

Nitrogen oxides (NOx) Carbon monoxide (CO)

- 5.3 Advice for firefighters

- Protective equipment: Do not inhale explosion gases or combustion gases.

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- 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

- 6.2 Environmental precautions:

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:

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

- 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:

Store away from foodstuffs.

Protect from frost.

- Further information about storage

conditions:

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:

1330-20-7 xvlene

OEL Short-term value: 442 mg/m³, 100 ppm

Long-term value: 221 mg/m³, 50 ppm

Sk, IOELV

100-41-4 ethylbenzene

OEL Short-term value: 884 mg/m³, 200 ppm Long-term value: 442 mg/m³, 100 ppm

Sk. IOELV

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

- Regulatory information - DNELs

reaction mass of ethylbenzene and xylene

Inhalative | Acute - systemic effects 221 mg/m3 (Worker) (GESTIS DNEL List (June 2018))

> Long term - systemic effects 221 mg/m3 (Worker) (GESTIS DNEL List (June 2018))

1330-20-7 xylene

Inhalative Acute - systemic effects 221 mg/m3 (Worker) (GESTIS DNEL List (June 2018))

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Long term - systemic effects 221 mg/m3 (Worker) (GESTIS DNEL List (June 2018))

100-41-4 ethylbenzene

Inhalative Long term - systemic effects 77 mg/m³ (Worker) (GESTIS DNEL List (June 2018))

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.

Store protective clothing separately. 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

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

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 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:

- Odour: - Odour threshold:

- Melting point/freezing point:

- Boiling point or initial boiling point and boiling range

- Flammability

- Lower and upper explosion limit - Lower:

- Upper: - Flash point:

- Auto-ignition temperature: - Decomposition temperature: Yellowish Solvent-like

Not determined Undetermined.

136 °C (100-41-4 ethylbenzene)

Not applicable.

Not determined. Not determined.

24 °C

Product is not selfigniting.

Not determined.

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(Contd. of page 4) Not determined. - Viscosity: - Kinematic viscosity at 20 °C 6 s (ISO 6 mm) - Dynamic: Not determined. - Solubility Not miscible or difficult to mix. - water: - Partition coefficient n-octanol/water (log value) Not determined. - Density and/or relative density - Density at 20 °C: 0.89 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. - Explosive properties: Product is not explosive. However, formation of explosive air/vapour mixtures are possible. - Solvent separation test: <91.00 % - VOC (EC) - 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 - 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 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. Reacts with peroxides and other radical forming substances.

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

Nitrogen oxides (NOx)

Carbon dioxide Carbon monoxide Hydrogen chloride gas

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

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

Harmful in contact with skin or if inhaled. - Acute toxicity

reaction r		hylbenzene and xylene
Oral	LD50	5,627 mg/kg (mouse)
		5,627 mg/kg (mouse) 3,523 mg/kg (rat)
Dermal	LD50	>4,200 mg/kg (rabbit)
		29 mg/l (rat)
1330-20-7	xylene	

- LD/LC50 values relevant for classification:

1330-20-7		
Oral	LD50	5,251 mg/kg (mouse)
		4,300 mg/kg (rat)
	LD50	5,251 mg/kg (mouse) 4,300 mg/kg (rat) >2,000 mg/kg (rabbit)
Inhalative	LC50/4 h	21.7 mg/l (rat)

100-41-4 ethylbenzene 3,500 mg/kg (rat) (AMA Archives of Industrial Health. 14/387; 1956)

- Skin corrosion/irritation		tion Causes skin irritation.
Inhalative	LC50/4 h	11 mg/l (ATE)
Dermal	LD50	15,400 mg/kg (rabbit) (Food and Cosmetics Toxicology. 13/803; 19

- Serious eye damage/irritation

- Respiratory or skin sensitisation

- Germ cell mutagenicity - Carcinogenicity - Reproductive toxicity

- STOT-single exposure

- STOT-repeated exposure

- Aspiration hazard

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.

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

May cause respiratory irritation. May cause damage to the central nervous system, the kidneys, the liver and the hearing organs through

prolonged or repeated exposure. Route of exposure: Inhalation. May be fatal if swallowed and enters airways.

Causes serious eye irritation.

- 11.2 Information on other hazards

- Endocrine disrupting properties

None of the ingredients is listed.

### **SECTION 12: Ecological information**

- 12.1 Toxicity

- Aquatic toxicity:

reaction mass of ethylbenzene and xylene

LC50/96 h 26.7 mg/l (Pimephales promelas)

LC50 1.3 mg/l (ALGAE) (48 h)

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	2.6 mg/l (Oncorhynchus mykiss (Regenbogenforelle)) (96h; OECD 203)	
EC50	2.2 mg/l (Pseudokirchneriella subcapitata) (72h; OECD 201)	
IC50	2.2 mg/l (ALGAE)	
NOEC	157 mg/l (Belebtschlamm) (OECD 209)	
	1.17 mg/l (Ceriodaphnia dubia) (7d; US EPA 600/4-91/003)	
	0.96 mg/l (Daphnia magna) (7 d)	
IC50	1 mg/l (Daphnia magna) (24h; OECD 202)	
1330-20-7 xylene		
LC50/96 h	26.7 mg/l (Pimephales promelas)	
LC50	2.6 mg/l (Oncorhynchus mykiss (Regenbogenforelle)) (96h; OECD 203)	
EC50	2.2 mg/l (Pseudokirchneriella subcapitata) (72h; OECD 201)	
IC50	2.2 mg/l (ALGAE)	
NOEC	157 mg/l (Belebtschlamm) (OECD 209)	
	1.17 mg/l (Ceriodaphnia dubia) (7d; US EPA 600/4-91/003)	
	>1.3 mg/l (Oncorhynchus mykiss (Regenbogenforelle)) (56d)	
IC50	1 mg/l (Daphnia magna) (24h; OECD 202)	

- 12.2 Persistence and degradability

- 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:

Not applicable.

Not applicable.

The product does not contain substances with endocrine disrupting properties.

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even 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

No further relevant information available.

No further relevant information available.

No further relevant information available.

- 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 UN1263

- 14.2 UN proper shipping name

- ADR 1263 PAINT
- IMDG, IATA PAINT

- 14.3 Transport hazard class(es)

- ADR



- Class 3 (F1) Flammable liquids.

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- Label	3	
- IMDG, IATA		
- Class	3 Flammable liquids.	
- Label	3	
- 14.4 Packing group		
- ADR, IMDG, IATA	III	
- 14.5 Environmental hazards:	Not applicable.	
- 14.6 Special precautions for user	Warning: Flammable liquids.	
- Hazard identification number (Kemler code):	30	
- EMS Number: - Stowage Category	F-E, <u>S-E</u> A	
- 14.7 Maritime transport in bulk according to IMO instruments Not applicable.		
- Transport/Additional information:		
- ADR	-1	
- Limited quantities (LQ) - Excepted quantities (EQ)	5L Code: E1	
- Excepted quantities (EQ)	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 1263 PAINT, 3, III	
- ON MOUEL REGULATION .	UN 1200 FAINT, 3, III	

### **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 P5c FLAMMABLE LIQUIDS
- Qualifying quantity (tonnes) for the application of lower-tier requirements

5,000 t

- Qualifying quantity (tonnes) for the

50,000 t

application of upper-tier requirements

- 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.

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#### **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.

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin. H315 Causes skin irritation.

H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H373 May cause damage to organs through prolonged or repeated exposure.

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

- Department issuing SDS:

research & development research & development

- Contact: - Date of previous version:

10.11.2021

- 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

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)
DNEL: Derived No-Effect Level (REACH) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative vPvB: very Persistent and very Bioaccumulative
Flam. Liq. 2: Flammable liquids – Category 2
Flam. Liq. 3: Flammable liquids – Category 3
Acute Tox. 4: Acute toxicity – Category 4
Skin Inrit. 2: Skin corrosion/irritation – Category 2
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
STOT SE 3: Specific target organ toxicity (capacited exposure) – Category 3

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
Asp. Tox. 1: Aspiration 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

- Sources - www.echa.europa.eu

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.