

# Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 24.08.2022

Version number 4 (replaces version 3)

Revision: 24.08.2022

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

- **1.1 Product identifier**
- **Trade name:** **KEMPERTEC Glass Primer**
- **UFI:** Q8V6-E094-H001-YYMR
- **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**
  - Primer
- **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:**
  - Medical Emergency information in case of poisoning:
  - 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**
  - Flam. Liq. 2 H225 Highly flammable liquid and vapour.
  - Acute Tox. 4 H332 Harmful if inhaled.
  - Eye Irrit. 2 H319 Causes serious eye irritation.
  - Resp. Sens. 1 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
  - Skin Sens. 1 H317 May cause an allergic skin reaction.
  - STOT SE 3 H336 May cause drowsiness or dizziness.

### - 2.2 Label elements

- **Labelling according to Regulation (EC) No 1272/2008**

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



GHS02 GHS07 GHS08

- **Signal word**

Danger

- **Hazard-determining components of labelling:**

butanone  
Phenol, 4-Isocyanato-, 1,1',1''-phosphorthionat, Reaktionsprodukt mit 3-(Trimethoxysilyl)-N-[3-(trimethoxysilyl)propyl]-1-propanamin  
3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate  
4,4'-methylenediphenyl diisocyanate  
Dimethylbis[(1-oxoneodecyl)oxy]stannane  
Fatty acids, C14-18 and C16-18-unsatd., maleated

- **Hazard statements**

H225 Highly flammable liquid and vapour.  
H332 Harmful if inhaled.  
H319 Causes serious eye irritation.  
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
H317 May cause an allergic skin reaction.  
H336 May cause drowsiness or dizziness.

- **Precautionary statements**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P241 Use explosion-proof [electrical/ventilating/lighting] equipment.  
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.  
P405 Store locked up.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Additional information:**

EUH066 Repeated exposure may cause skin dryness or cracking.  
EUH204 Contains isocyanates. May produce an allergic reaction.  
As from 24 August 2023 adequate training is required before industrial or professional use.

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- 2.3 Other hazards
- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.

## - Determination of endocrine-disrupting properties

78-93-3 butanone

List II

### SECTION 3: Composition/information on ingredients

- 3.2 Mixtures
- Description: Mixture: consisting of the following components.

## - Dangerous components:

CAS: 78-93-3 EINECS: 201-159-0	butanone Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336, EUH066	25-50%
CAS: 141-78-6 EINECS: 205-500-4	ethyl acetate Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336, EUH066	≥12.5-<20%
CAS: 108-65-6 EINECS: 203-603-9	2-methoxy-1-methylethyl acetate Flam. Liq. 3, H226; STOT SE 3, H336	2.5-10%
CAS: 1333-86-4 EINECS: 215-609-9	Carbon black substance with a Community workplace exposure limit	2.5-10%
CAS: 4151-51-3 EINECS: 223-981-9	Tris(p-isocyanatophenyl)thiophosphat Acute Tox. 4, H302	2.5-10%
CAS: 123-86-4 EINECS: 204-658-1	n-butyl acetate Flam. Liq. 3, H226; STOT SE 3, H336, EUH066	2.5-10%
CAS: 950747-06-5 ELINCS: 480-190-3	Phenol, 4-Isocyanato-,1,1',1"-phosphorhionat, Reaktionsprodukt mit 3-(Trimethoxysilyl)-N-[3-(trimethoxysilyl)propyl]-1-propanamin Resp. Sens. 1, H334; Skin Sens. 1, H317; Aquatic Chronic 4, H413	2.5-10%
CAS: 101-68-8 EINECS: 202-966-0	4,4'-methylenediphenyl diisocyanate Resp. Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335, EUH204 Specific concentration limits: Eye Irrit. 2; H319: C ≥ 5 % Skin Irrit. 2; H315: C ≥ 5 % Resp. Sens. 1; H334: C ≥ 0.1 % STOT SE 3; H335: C ≥ 5 %	≥0.5-<1%
CAS: 85711-46-2 EINECS: 288-306-2	Fatty acids, C14-18 and C16-18-unsatd., maleated Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317	≥0.5-<1%
CAS: 4098-71-9 EINECS: 223-861-6	3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate Acute Tox. 1, H330; Resp. Sens. 1, H334; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335, EUH204 Specific concentration limits: Resp. Sens. 1; H334: C ≥ 0.5 % Skin Sens. 1; H317: C ≥ 0.5 %	≥0.25-<0.5%
CAS: 68928-76-7 EINECS: 273-028-6	Dimethylbis[(1-oxoneodecyl)oxy]stannane Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1A, H317; Aquatic Chronic 3, H412	<0.1%

- 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:

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.

## - After swallowing:

If symptoms persist consult doctor.

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

No further relevant information available.

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- **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:**      CO<sub>2</sub>, 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 (NO<sub>x</sub>)  
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
- **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
- **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.
- **Further information about storage conditions:**      Protect from frost.  
Store in dry conditions.  
Keep container tightly sealed.  
Recommended storage temperature: 5 - 25°C
- **Storage class:**      3
- **7.3 Specific end use(s)**      No further relevant information available.

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## SECTION 8: Exposure controls/personal protection

### - 8.1 Control parameters

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

##### 78-93-3 butanone

OEL Short-term value: 900 mg/m<sup>3</sup>, 300 ppm  
Long-term value: 600 mg/m<sup>3</sup>, 200 ppm  
Sk, IOELV

##### 141-78-6 ethyl acetate

OEL Short-term value: 1468 mg/m<sup>3</sup>, 400 ppm  
Long-term value: 734 mg/m<sup>3</sup>, 200 ppm  
IOELV

##### 108-65-6 2-methoxy-1-methylethyl acetate

OEL Short-term value: 550 mg/m<sup>3</sup>, 100 ppm  
Long-term value: 275 mg/m<sup>3</sup>, 50 ppm  
Sk, IOELV

##### 1333-86-4 Carbon black

OEL Long-term value: 3\* mg/m<sup>3</sup>  
\*inhalable fraction

##### 123-86-4 n-butyl acetate

OEL Short-term value: 723 mg/m<sup>3</sup>, 150 ppm  
Long-term value: 241 mg/m<sup>3</sup>, 50 ppm  
IOELV

##### 101-68-8 4,4'-methylenediphenyl diisocyanate

OEL Long-term value: 0.005 ppm  
as -NCO; Sens

##### 4098-71-9 3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate

OEL Long-term value: 0.005 ppm  
Sens

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

#### - DNELs

##### 101-68-8 4,4'-methylenediphenyl diisocyanate

Inhalative | Long term - systemic effects | 0.05 mg/m<sup>3</sup> (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.  
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 and varies from manufacturer to manufacturer.

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- **Penetration time of glove material** 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.

- **As protection from splashes gloves made of the following materials are suitable:** Nitrile rubber, NBR  
Recommended thickness of the material:  $\geq 0.1$  mm  
Penetration time (min.):  $< 10$

- **Eye/face protection**



Tightly sealed goggles

- **Body protection:**

Protective goggles and facial protection - Classification according to EN 166 protective clothing (EN 13034)

## SECTION 9: Physical and chemical properties

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

- General Information	
- Colour:	Black
- Odour:	Solvent-like
- Odour threshold:	Not determined.
- Melting point/freezing point:	Undetermined.
- Boiling point or initial boiling point and boiling range	80 °C
- Flammability	Not applicable.
- Lower and upper explosion limit	
- Lower:	Not determined.
- Upper:	Not determined.
- Flash point:	-10 °C
- Decomposition temperature:	Not determined.
- pH	Not determined.
- Viscosity:	
- Kinematic viscosity	Not determined.
- Dynamic:	Not determined.
- Solubility	
- water:	Not determined.
- Partition coefficient n-octanol/water (log value)	Not determined.
- Density and/or relative density	
- Density at 20 °C:	0.94 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 is not explosive. However, formation of explosive air/vapour mixtures are possible.
- Solvent separation test:	
- VOC (EC)	<75.00 %
- 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

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- 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:	No decomposition if used according to specifications.
- 10.3 Possibility of hazardous reactions	Polymerization does not take place.
- 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:	Avoid contact with: Acids, bases and oxidizing agents.
- 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	Harmful if inhaled.

- LD/LC50 values relevant for classification:

### 78-93-3 butanone

Oral	LD50	2,193 mg/kg (rat) (OECD 423)
Dermal	LD50	>5,000 mg/kg (rabbit) (OECD 402)
Inhalative	LC50	mg/l (Skeletonema costatum)
	LC50/4 h	34 mg/l (rat)

### 141-78-6 ethyl acetate

Oral	LD50	4,934 mg/kg (rabbit) (OECD 401)
Dermal	LD50	>20,000 mg/kg (rabbit)
Inhalative	LC50/4 h	29.3 mg/l (rat)
	LCLo	>6,000 ppm (rat) (male & female; 6h steam)

### 108-65-6 2-methoxy-1-methylethyl acetate

Oral	LD50	8,532 mg/kg (rat)
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Dermal	LD50	>2,000 mg/kg (rat)
Inhalative	LC50/4 h	35.7 mg/l (rat)
<b>1333-86-4 Carbon black</b>		
Oral	LD50	10,000 mg/kg (rat)
<b>4151-51-3 Tris(p-isocyanatophenyl)thiophosphat</b>		
Oral	LD50	>675 mg/kg (rat) (esteemed)
<b>123-86-4 n-butyl acetate</b>		
Oral	LD50	10,760 mg/kg (rat)
Dermal	LD50	14,112 mg/kg (rat)
Inhalative	LC50/4 h	23.4 mg/l (rat) (OECD Guideline 403 (Acute Inhalation Toxicity))
<b>950747-06-5 Phenol, 4-Isocyanato-,1,1',1''-phosphorthionat, Reaktionsprodukt mit 3-(Trimethoxysilyl)-N-[3-(trimethoxysilyl)propyl]-1-propanamin</b>		
Oral	LD50	>2,000 mg/kg (rat) (female)
<b>101-68-8 4,4'-methylenediphenyl diisocyanate</b>		
Oral	LD50	>2,000 mg/kg (rat) (84/449/EWG, B.1)
Dermal	LD50	>9,400 mg/kg (rab) (OECD 402)
Inhalative	LC50/4 h	1.5 mg/l (ATE)
<b>85711-46-2 Fatty acids, C14-18 and C16-18-unsatd., maleated</b>		
Oral	LD50	>2,000 mg/kg (rat) (female)
Dermal	LD50	>2,000 mg/kg (rat)
	LC50	>100 mg/l (Danio rerio (Zebrafisch)) (96h; OECD 203)
<b>4098-71-9 3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate</b>		
Inhalative	LC50/4 h	0.05 mg/l (ATE)
<b>68928-76-7 Dimethylbis[(1-oxoneodecyl)oxy]stannane</b>		
Oral	LD50	>690- $<1,160$ mg/kg (rat) (OECD Guideline 401 (Acute Oral Toxicity))

- Skin corrosion/irritation	Based on available data, the classification criteria are not met.
- Serious eye damage/irritation	Causes serious eye irritation.
- Respiratory or skin sensitisation	May cause allergy or asthma symptoms or breathing difficulties if inhaled. 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.
- Reproductive toxicity	Based on available data, the classification criteria are not met.
- STOT-single exposure	May cause drowsiness or dizziness.
- 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.
- Additional toxicological information:	Acute oral toxicity Low toxicity if swallowed. Small amounts swallowed incidentally as a result of normal handling operations are not likely to cause injury; however, swallowing larger amounts may cause injury. May cause central nervous system effects. Single dose oral LD50 has not been determined. Acute dermal toxicity Prolonged skin contact is unlikely to result in absorption of harmful amounts. The dermal LD50 has not been determined. Acute inhalation toxicity Vapor concentrations are attainable which could be hazardous on single exposure. May cause respiratory irritation and central nervous system depression. Symptoms may include headache, dizziness and drowsiness, progressing to incoordination and unconsciousness. May cause nausea and vomiting. For the minor component(s): Methylene diphenyl diisocyanate (MDI). Excessive exposure may cause irritation to upper respiratory tract (nose and throat) and lungs. May cause pulmonary edema (fluid in the lungs.) Effects may be delayed. Decreased lung function has been associated with overexposure to isocyanates. This material contains mineral and/or inorganic fillers. There is essentially no potential for inhalation exposure to these fillers incidental to industrial handling due to the physical state. As product: The LC50 has not been determined.

**- 11.2 Information on other hazards****- Endocrine disrupting properties**

78-93-3 | butanone

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### SECTION 12: Ecological information

#### - 12.1 Toxicity

##### - Aquatic toxicity:

###### 78-93-3 butanone

LC50	2,990 mg/l (Pimephales promelas) (96h; OECD 203)
EC50	1,972 mg/l (Pseudokirchneriella subcapitata) (72h; OECD 201)
EC50	308 mg/l (Daphnia magna) (48h; OECD 202)
EC0	1,150 mg/l (Pseudomonas putida) (16h; DIN 38412)

###### 141-78-6 ethyl acetate

EC50	5,600 mg/l (DESMODESMUS SUBSPICATUS) (48h; DIN 38412) 610 mg/l (Daphnia magna) (48h)
EC50	5,870 mg/l (Photobacterium phosphoreum) (15 min; static test) 165 mg/l (daphnia cucullata) (48h)
NOEC	>100 mg/l (DESMODESMUS SUBSPICATUS) (72h; OECD 201) >9.65 mg/l (Pimephales promelas) (32d)
EC10	1,650 mg/l (Photobacterium phosphoreum) (15 min; static test)
LC 50	230 mg/l (Pimephales promelas) (96h; flow test US-EPA)
NOEC	2.4 mg/l (Daphnia magna) (21d; OECD 211)

###### 108-65-6 2-methoxy-1-methylethyl acetate

LC50/96 h	>100 mg/l (oryzias latipes (Ricefish)) 161 mg/l (fis)
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###### 4151-51-3 Tris(p-isocyanatophenyl)thiophosphat

EbC50	>100 mg/l (ALGAE) (72h)
NOEC	>100 mg/kg (ALGAE)
EC50	>1,000 mg/l (Belebtschlamm) (3h)
EC50	>100 mg/l (Daphnia magna) (48h)
LC 50	>100 mg/l (Danio rerio (Zebraabärbling)) (96h)

###### 123-86-4 n-butyl acetate

LC50/96 h	18 mg/l (PISCIS - Fisch) (OECD 203 (96 hr))
NOEC	200 mg/l (DESMODESMUS SUBSPICATUS)
EC50	44 mg/l (daphnia) (OECD 202 (48 hr))
EC50	>100 mg/l (ALGAE) 647.7 mg/l (DESMODESMUS SUBSPICATUS)
EC50	72.8 mg/l (daphnia)
IC50	356 mg/l (Tetrahymana)

###### 950747-06-5 Phenol, 4-Isocyanato-,1,1',1"-phosphorthionat, Reaktionsprodukt mit 3-(Trimethoxysilyl)-N-[3-(trimethoxysilyl)propyl]-1-propanamin

EL50	>160 mg/l (DESMODESMUS SUBSPICATUS) (72h; OECD 201)
EC50	>100 mg/l (Daphnia magna) (48h; OECD 202)

###### 101-68-8 4,4'-methylenediphenyl diisocyanate

NOEC	≥1,000 mg/kg (Eisenia fetida/foetida) (336h; OECD 207)
EC50	>1,000 mg/l (Daphnia magna) (24h; OECD 202)
NOEC	≥10 mg/l (Daphnia magna) (21d; OECD 211)

###### 85711-46-2 Fatty acids, C14-18 and C16-18-unsatd., maleated

EC50	>100 mg/l (DESMODESMUS SUBSPICATUS) (72h; OECD 201)
EC50	>100 mg/l (Daphnia magna) (48h; OECD 202)

###### 68928-76-7 Dimethylbis[(1-oxoneodecyl)oxy]stannane

EC50	2 mg/l (ALGAE) (OECD 201) 39 mg/l (Daphnia magna) (OECD 202 (48 hr))
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#### - 12.2 Persistence and degradability

No further relevant information available.

#### - 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.

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- 12.7 Other adverse effects
- Additional ecological information:
- General notes:

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

## 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 05 01*	waste isocyanates
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

UN1139

- 14.2 UN proper shipping name
- ADR
- IMDG, IATA

1139 COATING SOLUTION  
COATING SOLUTION

- 14.3 Transport hazard class(es)
- ADR



- Class
- Label

3 (F1) Flammable liquids.  
3

- IMDG, IATA



- Class
- Label

3 Flammable liquids.  
3

- 14.4 Packing group
- ADR, IMDG, IATA

II

- 14.5 Environmental hazards:

Not applicable.

- 14.6 Special precautions for user
- Hazard identification number (Kemler code):
- EMS Number:

Warning: Flammable liquids.  
33  
F-E, S-E

- 14.7 Maritime transport in bulk according to IMO instruments

Not applicable.

- Transport/Additional information:

- ADR
- Limited quantities (LQ)
- Excepted quantities (EQ)

5L  
Code: E2  
Maximum net quantity per inner packaging: 30 ml  
Maximum net quantity per outer packaging: 500 ml

- Transport category
- Tunnel restriction code

2  
D/E

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# Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 24.08.2022

Version number 4 (replaces version 3)

Revision: 24.08.2022

Trade name: **KEMPERTEC Glass Primer**

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<ul style="list-style-type: none"> <li>- IMDG</li> <li>- Limited quantities (LQ)</li> <li>- Excepted quantities (EQ)</li> </ul>	<p>5L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml</p>
<ul style="list-style-type: none"> <li>- UN "Model Regulation":</li> </ul>	<p>UN 1139 COATING SOLUTION, 3, II</p>

## 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 application of upper-tier requirements      50,000 t
- REGULATION (EC) No 1907/2006 ANNEX XVII      Conditions of restriction: 3, 56a, 74

**- 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**  
78-93-3 | butanone | 3

**- Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**  
78-93-3 | butanone | 3

**- 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.  |
| H226 | Flammable liquid and vapour.   |
| H302 | Harmful if swallowed.  |
| H315 | Causes skin irritation.  |
| H317 | May cause an allergic skin reaction.                                       |
| H319 | Causes serious eye irritation.   |
| H330 | Fatal if inhaled.  |
| H332 | Harmful if inhaled.  |
| H334 | May cause allergy or asthma symptoms or breathing difficulties if inhaled. |
| H335 | May cause respiratory irritation.  |
| H336 | May cause drowsiness or dizziness.   |
| H351 | Suspected of causing cancer.   |
| 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.                         |
| H413 | May cause long lasting harmful effects to aquatic life.                    |
- EUH066 Repeated exposure may cause skin dryness or cracking.  
EUH204 Contains isocyanates. May produce an allergic reaction.

- Department issuing SDS:      research & development
- Contact:      research & development
- Date of previous version:      27.08.2021
- Version number of previous version:      3
- 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

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# Safety data sheet

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

Printing date 24.08.2022

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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  
Flam. Liq. 2: Flammable liquids – Category 2  
Flam. Liq. 3: Flammable liquids – Category 3  
Acute Tox. 4: Acute toxicity – Category 4  
Acute Tox. 1: Acute toxicity – Category 1  
Skin Irrit. 2: Skin corrosion/irritation – Category 2  
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2  
Resp. Sens. 1: Respiratory sensitisation – Category 1  
Skin Sens. 1: Skin sensitisation – Category 1  
Skin Sens. 1A: Skin sensitisation – Category 1A  
Skin Sens. 1B: Skin sensitisation – Category 1B  
Carc. 2: Carcinogenicity – Category 2  
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3  
STOT RE 2: Specific target organ toxicity (repeated exposure) – 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  
Aquatic Chronic 4: Hazardous to the aquatic environment - long-term aquatic hazard – Category 4

- **Sources**

- [www.echa.europa.eu](http://www.echa.europa.eu)
- [www.baua.de](http://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](http://www.dguv.de/ifa/gestis/gestis-stoffdatenbank/index.jsp)
- [www.dguv.de/ifa/gestis/gestis-dnel-liste](http://www.dguv.de/ifa/gestis/gestis-dnel-liste)

- \* **Data compared to the previous version altered.**