

# Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 11.01.2018

Version number 4

Revision: 11.01.2018

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

- **1.1 Product identifier**
- **Trade name:** **KEMCO 1K-Primer**
- **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:** 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. 3	H226	Flammable liquid and vapour.
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	H335-H336	May cause respiratory irritation. May cause drowsiness or dizziness.
STOT RE 2	H373	May cause damage to organs through prolonged or repeated exposure.
Asp. Tox. 1	H304	May be fatal if swallowed and enters airways.
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.



GHS02    GHS07    GHS08    GHS09

### - Signal word

Danger

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

hydrocarbons, C9, aromatic  
Poly[oxy(methyl-1,2-ethanediyl)], alpha-hydro-omega-hydroxy-, polymer with 2,4-diisocyanato-1-methylbenzene  
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)  
4-methyl-m-phenylene diisocyanate  
1,6-hexanediyl-bis(2-(2-(1-ethylpentyl)-3-oxazolidinyl)ethyl)carbamate  
Isophorondiisocyanate homopolymer  
dibutyltin dilaurate  
hexahydromethylphthalic anhydride

### - Hazard statements

H226 Flammable liquid and vapour.  
H319 Causes serious eye irritation.  
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
H317 May cause an allergic skin reaction.  
H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.  
H373 May cause damage to organs through prolonged or repeated exposure.  
H304 May be fatal if swallowed and enters airways.  
H411 Toxic to aquatic life with long lasting effects.

### - Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.  
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.

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- P405 Store locked up.  
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.  
 EUH204 Contains isocyanates. May produce an allergic reaction.
- **Additional information:**  
 - **2.3 Other hazards**  
 - **Results of PBT and vPvB assessment**  
 - **PBT:** Not applicable.  
 - **vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

#### - 3.2 Chemical characterisation: Mixtures

- **Description:** Mixture: consisting of the following components.

#### - Dangerous components:

EC number: 918-668-5 Reg.nr.: 01-2119455851-35	hydrocarbons, C9, aromatic Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H335-H336	25-50%
CAS: 37273-56-6 EC number: 609-378-7	Poly[oxy(methyl-1,2-ethanediyl)], alpha-hydro-omega-hydroxy-, polymer with 2,4-diisocyanato-1-methylbenzene Eye Irrit. 2, H319; Skin Sens. 1, H317	25-50%
CAS: 140921-24-0 ELINCS: 411-700-4 Index number: 616-079-00-5 Reg.nr.: 01-2119890830-32	1,6-hexanediyl-bis(2-(2-(1-ethylpentyl)-3-oxazolidinyl)ethyl)carbamate Skin Sens. 1, H317	2.5-10%
EC number: 931-312-3 Reg.nr.: 01-2119488734-24	Isophorondiisocyanate homopolymer Skin Sens. 1, H317; STOT SE 3, H335	2.5-10%
EC number: 919-446-0 Reg.nr.: 01-2119458049-33	Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) Flam. Liq. 3, H226; STOT RE 1, H372; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H336	0.5-2.5%
CAS: 1330-20-7 EINECS: 215-535-7 Index number: 601-022-00-9 Reg.nr.: 01-2119488216-32	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	0.5-2.5%
CAS: 77-58-7 EINECS: 201-039-8 Reg.nr.: 01-2119496068-27	dibutyltin dilaurate Muta. 2, H341; Repr. 1B, H360FD; STOT SE 1, H370; STOT RE 1, H372; Skin Corr. 1C, H314; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Sens. 1, H317	<0.5%
CAS: 25550-51-0 EINECS: 247-094-1 Index number: 607-241-00-6 Reg.nr.: 01-2119845474-33	hexahydromethylphthalic anhydride Resp. Sens. 1, H334; Eye Dam. 1, H318; Skin Sens. 1, H317	<0.5%
CAS: 584-84-9 EINECS: 209-544-5 Index number: 615-006-00-4 Reg.nr.: 01-2119486974-18	4-methyl-m-phenylene diisocyanate Acute Tox. 1, H330; Resp. Sens. 1, H334; Carc. 2, H351; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335; Aquatic Chronic 3, H412	<0.5%
CAS: 4098-71-9 EINECS: 223-861-6 Index number: 615-008-00-5 Reg.nr.: 01-2119490408-31	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	<0.5%

#### - SVHC

25550-51-0 | hexahydromethylphthalic anhydride

- **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.

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- **After swallowing:** If symptoms persist consult doctor.
- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed** No further relevant information available.

### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:** CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam. 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.
- **5.3 Advice for firefighters**
- **Protective equipment:** Mouth respiratory protective device.  
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.
- **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.
- **Further information about storage conditions:** Store in dry conditions.  
Protect from frost.  
Keep container tightly sealed.  
Recommended storage temperature: 10-30 °C
- **Storage class:** 3
- **7.3 Specific end use(s)** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.

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**- 8.1 Control parameters**

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

**1330-20-7 xylene**

WEL Short-term value: 441 mg/m<sup>3</sup>, 100 ppm  
Long-term value: 220 mg/m<sup>3</sup>, 50 ppm  
Sk; BMGV

**77-58-7 dibutyltin dilaurate**

WEL Short-term value: 0.2 mg/m<sup>3</sup>  
Long-term value: 0.1 mg/m<sup>3</sup>  
as Sn; Sk

**584-84-9 4-methyl-m-phenylene diisocyanate**

WEL Short-term value: 0.07 mg/m<sup>3</sup>  
Long-term value: 0.02 mg/m<sup>3</sup>  
Sen; as -NCO

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

WEL Short-term value: 0.07 mg/m<sup>3</sup>  
Long-term value: 0.02 mg/m<sup>3</sup>  
Sen; as -NCO

**- Ingredients with biological limit values:**

**1330-20-7 xylene**

BMGV 650 mmol/mol creatinine  
Medium: urine  
Sampling time: post shift  
Parameter: methyl hippuric acid

**- Additional information:**

The lists valid during the making were used as basis.

**- 8.2 Exposure controls**

**- 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

**- Protection of hands:**

Respiratory protection - Gas filters and combination filters according to EN 141



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:  $\geq 0.5$  mm  
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.

**- Penetration time of glove material**

The determined penetration times according to EN 374 part III 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 protection:**



Tightly sealed goggles

Protective goggles and facial protection - Classification according to EN 166

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- **Body protection:** Protective work clothing  
Impervious protective clothing

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### SECTION 9: Physical and chemical properties

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

##### - General Information

##### - Appearance:

**Form:** Fluid  
**Colour:** According to product specification

- **Odour:** Characteristic

- **Odour threshold:** Not determined.

- **pH-value:** Not determined.

##### - Change in condition

**Melting point/freezing point:** Undetermined.

**Initial boiling point and boiling range:** Undetermined.

- **Flash point:** 39 °C

- **Flammability (solid, gas):** Not applicable.

- **Decomposition temperature:** Not determined.

- **Auto-ignition temperature:** Product is not selfigniting.

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

##### - Explosion limits:

**Lower:** Not determined.

**Upper:** Not determined.

- **Density at 20 °C:** 0.97 g/cm<sup>3</sup>

- **Relative density:** Not determined.

- **Vapour density:** Not determined.

- **Evaporation rate:** Not determined.

##### - Solubility in / Miscibility with water:

Not miscible or difficult to mix.

- **Partition coefficient: n-octanol/water:** Not determined.

##### - Viscosity:

**Dynamic at 20 °C:** 45 mPas

**Kinematic:** Not determined.

##### - Solvent content:

**VOC (EC)** 43.90 %

- **9.2 Other information** No further relevant information available.

### 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 and stored according to specifications.

##### - 10.3 Possibility of hazardous reactions

Reacts with water and acids.

Reacts with amines.

Reacts with water.

Reacts with humid air.

##### - 10.4 Conditions to avoid

No further relevant information available.

##### - 10.5 Incompatible materials:

Amines, acids, alkalis, strong oxidants, alcohols

##### - 10.6 Hazardous decomposition products:

No dangerous decomposition products known.

### SECTION 11: Toxicological information

#### - 11.1 Information on toxicological effects

##### - Acute toxicity

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

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**- LD/LC50 values relevant for classification:**
**hydrocarbons, C9, aromatic**

Oral	LD50	>3,492 mg/kg (rat) (OECD 401)
Dermal	LD50	>3,160 mg/kg (rabbit) (OECD 402)

**37273-56-6 Poly[oxy(methyl-1,2-ethanediyl)], alpha-hydro-omega-hydroxy-, polymer with 2,4-diisocyanato-1-methylbenzene**

Oral	LD50	>5,000 mg/kg (rat)
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**140921-24-0 1,6-hexanediyl-bis(2-(2-(1-ethylpentyl)-3-oxazolidinyl)ethyl)carbamate**

Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)

**Isophorondiisocyanate homopolymer**

Oral	LD50	>14,000 mg/kg (rat) (OECD 401)
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**Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)**

Oral	LD50	>15,000 mg/kg (rat) (OECD 401)
Dermal	LD50	>3,400 mg/kg (rat) (OECD 402)

**1330-20-7 xylene**

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

**77-58-7 dibutyltin dilaurate**

Oral	LD50	2,071 mg/kg (rat) (equivalent or similar to OECD 401; Sarasin, G. 1981)
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**25550-51-0 hexahydromethylphthalic anhydride**

Oral	LD50	>5,000 mg/kg (rat)
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**584-84-9 4-methyl-m-phenylene diisocyanate**

Oral	LD50	5,110 mg/kg (rat) (male; OECD 401) 4,130 mg/kg (rat) (female; OECD 401)
Dermal	LD50	>9,400 mg/kg (rabbit) (OECD 402)
Inhalative	LC50/4 h	107 mg/l (rat) (OECD 403)
	LC50/1 h	0.47 mg/l (rat) (OECD 403)
	LC50	0.47 mg/l (rat) (1h; OECD 403)

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

Inhalative	LC50/4 h	0.05 mg/l (ATE)
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**- Primary irritant effect:**
**- 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.

**- CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
**- 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 respiratory irritation. May cause drowsiness or dizziness.

**- STOT-repeated exposure**

May cause damage to organs through prolonged or repeated exposure.

**- Aspiration hazard**

May be fatal if swallowed and enters airways.

## SECTION 12: Ecological information

**- 12.1 Toxicity**
**- Aquatic toxicity:**
**hydrocarbons, C9, aromatic**

LL 50	9.2 mg/l (Oncorhynchus mykiss (Regenbogenforelle)) (96h; OECD 203)
EL 50	2.9 mg/l (Pseudokirchneriella subcapitata) (72h; OECD 201)
	3.2 mg/l (Daphnia magna) (48h; OECD 202)
EC 50	>99 mg/l (Belebtschlamm) (10 min.; OECD 209)

**37273-56-6 Poly[oxy(methyl-1,2-ethanediyl)], alpha-hydro-omega-hydroxy-, polymer with 2,4-diisocyanato-1-methylbenzene**

EC 50	>10,000 mg/l (Belebtschlamm) (OECD 209)
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**140921-24-0 1,6-hexanediyl-bis(2-(2-(1-ethylpentyl)-3-oxazolidinyl)ethyl)carbamate**

LC50/96 h	316 mg/l (Danio rerio (Zebraabärbling)) (OECD 203)
EC50	1.77 mg/l (Bakterien) (activated sludge; ISO 8192-1986 E)
IC50	43 mg/l (DESMODESMUS SUBSPICATUS) (72h; OECD 201)
EC50	193 mg/l (Daphnia magna) (48h; OECD 202)

**Isophorondiisocyanate homopolymer**

LC50/96 h	>1.51 mg/l (Cyprinus Carpio) (Richtlinie 67/548/EWG, Anhang V, C.1.)
EC50	>3.36 mg/l (Daphnia magna) (OECD 202)
EC50	>10,000 mg/l (Belebtschlamm) (OECD 209)

**Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)**

LL 50	10 mg/l (Oncorhynchus mykiss (Regenbogenforelle)) (96h; OECD 203)
NOELR	0.13 mg/l (Oncorhynchus mykiss (Regenbogenforelle)) (72h)
EL50	4.6 mg/l (Pseudokirchneriella subcapitata) (72h; OECD 201)
	10 mg/l (Daphnia magna) (48h; OECD 202)
NOEC	97 mg/kg (Daphnia magna) (21 days)

**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)

**77-58-7 dibutyltin dilaurate**

EC50	3.1 mg/l (Brachydanio rerio (Ricefish))
	>2 mg/l (DESMODESMUS SUBSPICATUS) (72h)
	1 mg/l (Scenedesmus subspicatus)
	0.66 mg/l (Daphnia magna) (OECD 202)
LC 50	2 mg/l (Leuciscus idus (Goldorfe)) (48h)
LC20	2 mg/l (Leuciscus idus (Goldorfe)) (48h)

**584-84-9 4-methyl-m-phenylene diisocyanate**

NOEC	>1,000 mg/kg (Eisenia foetida) (14 days; OECD 207)
NOEC	1.1 mg/kg (Daphnia magna) (21d)
ErC50	4,300 mg/l (Clorella vulgaris) (96h; OECD 201)
	3,230 mg/l (Skeletonema costatum) (96h; OECD 201)
LC50/96 h	133 mg/l (Oncorhynchus mykiss (Regenbogenforelle)) (OECD 203)
EC50	>100 mg/l (Belebtschlamm) (3h; OECD 209)
EC50	12.5 mg/l (Daphnia magna) (OECD 202)
EC50	>100 mg/l (Belebtschlamm)

**- 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.

**- Ecotoxicological effects:****- Remark:**

Toxic for fish

**- Additional ecological information:****- General notes:**

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.  
 Also poisonous for fish and plankton in water bodies.  
 Toxic for aquatic organisms

**- 12.5 Results of PBT and vPvB assessment****- PBT:**

Not applicable.

**- vPvB:**

Not applicable.

**- 12.6 Other adverse effects**

No further relevant information available.

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## 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.

**- European waste catalogue**

08 04 09*	waste adhesives and sealants containing organic solvents or other hazardous substances
08 04 10	waste adhesives and sealants other than those mentioned in 08 04 09

**- Uncleaned packaging:**

**- Recommendation:**

Disposal must be made according to official regulations.

## SECTION 14: Transport information

**- 14.1 UN-Number**

**- ADR, IMDG, IATA**

UN1866

**- 14.2 UN proper shipping name**

**- ADR** 1866 RESIN SOLUTION, ENVIRONMENTALLY HAZARDOUS

**- IMDG** RESIN SOLUTION (Solvent naphtha (petroleum), light arom., 1,2,4-trimethyl-

**- IATA** benzene), MARINE POLLUTANT

RESIN SOLUTION

**- 14.3 Transport hazard class(es)**

**- ADR**



**- Class** 3 (F1) Flammable liquids.

**- Label** 3

**- IMDG**



**- Class** 3 Flammable liquids.

**- Label** 3

**- IATA**



**- Class** 3 Flammable liquids.

**- Label** 3

**- 14.4 Packing group**

**- ADR, IMDG, IATA** III

**- 14.5 Environmental hazards:**

**- Marine pollutant:** Product contains environmentally hazardous substances: dibutyltin dilaurate

Yes

Symbol (fish and tree)

Symbol (fish and tree)

**- 14.6 Special precautions for user** Warning: Flammable liquids.

**- Danger code (Kemler):** 30

**- EMS Number:** F-E,S-E

**- Stowage Category** A

**- 14.7 Transport in bulk according to Annex II of Marpol and the IBC**

**Code** Not applicable.

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# Safety data sheet

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

Printing date 11.01.2018

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Trade name: KEMCO 1K-Primer

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**- Transport/Additional information:**

- ADR	5L
- Limited quantities (LQ)	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	5L
- Limited quantities (LQ)	Code: E1
- Excepted quantities (EQ)	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 1000 ml

- UN "Model Regulation":	UN 1866 RESIN SOLUTION, 3, III, 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	E2 Hazardous to the Aquatic Environment P5c FLAMMABLE LIQUIDS
- Qualifying quantity (tonnes) for the 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 XVII	Conditions of restriction: 3, 20
- National regulations:	
- Information about limitation of use:	Employment restrictions concerning juveniles must be observed. Employment restrictions concerning pregnant and lactating women must be observed. Employment restrictions concerning women of child-bearing age must be observed.
- Other regulations, limitations and prohibitive regulations	

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

25550-51-0	hexahydromethylphthalic anhydride
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- 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.

- Relevant phrases	H226 Flammable liquid and vapour.
	H304 May be fatal if swallowed and enters airways.
	H312 Harmful in contact with skin.
	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.
	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.
	H341 Suspected of causing genetic defects.
	H351 Suspected of causing cancer.
	H360FD May damage fertility. May damage the unborn child.
	H370 Causes damage to organs.
	H372 Causes damage to organs through prolonged or repeated exposure.
	H373 May cause damage to organs through prolonged or repeated exposure.
	H400 Very toxic to aquatic life.
	H410 Very toxic to aquatic life with long lasting effects.
	H411 Toxic to aquatic life with long lasting effects.

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# Safety data sheet

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- Department issuing SDS:
- Contact:
- Abbreviations and acronyms:

H412 Harmful to aquatic life with long lasting effects.

research & development  
research & development

ADR: Accord européen sur le transport 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)

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

Flam. Liq. 3: Flammable liquids – Category 3

Acute Tox. 4: Acute toxicity – Category 4

Acute Tox. 1: Acute toxicity – Category 1

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

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

Resp. Sens. 1: Respiratory sensitisation – Category 1

Skin Sens. 1: Skin sensitisation – Category 1

Muta. 2: Germ cell mutagenicity – Category 2

Carc. 2: Carcinogenicity – Category 2

Repr. 1B: Reproductive toxicity – Category 1B

STOT SE 1: Specific target organ toxicity (single exposure) – Category 1

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

STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Asp. Tox. 1: Aspiration hazard – Category 1

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

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

Internet:

- [www.echa.com](http://www.echa.com)
- [www.baua.de](http://www.baua.de)
- [www.gestis.itrust.de](http://www.gestis.itrust.de) (IFA: Institute für Occupational Safety and Health of the German Social Accident Insurance)

- Sources

- \* Data compared to the previous version altered.