

# Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 26.08.2022

Version number 13 (replaces version 12)

Revision: 26.08.2022

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

- 1.1 Product identifier
- Trade name: **KEMCO 1K-Primer**
- UFI: RXP6-10GH-H00C-YTGR
- 1.2 Relevant identified uses of the substance or mixture and uses advised against
- Application of the substance / the mixture Identified use: intended for professional use only!  
Primer
- 1.3 Details of the supplier of the safety data sheet
- Manufacturer/Supplier: KEMPER SYSTEM LTD  
Kemper House  
30 Kingsland Grange  
Warrington  
WA1 4RW  
www.kempersystem.co.uk  
enquiries@kempersystem.co.uk  
phone: +44 (0)1925 445532  
fax: +44 (0)1925 575096
- 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. 3	H226	Flammable liquid and vapour.
Eye Irrit. 2	H319	Causes serious eye irritation.
Skin Sens. 1	H317	May cause an allergic skin reaction.
STOT SE 3	H335-H336	May cause respiratory irritation. May cause drowsiness or dizziness.
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 GB CLP regulation.



### - Signal word

Danger

- Hazard-determining components of labelling:

Solvent naphtha (petroleum), light arom.  
Poly[oxy(methyl-1,2-ethanediy)], alpha-hydro-omega-hydroxy-, polymer with 2,4-diisocyanato-1-methylbenzene  
Isophorondiisocyanate homopolymer  
hydrocarbons, C9, aromatic  
1,6-hexanediy-bis(2-(2-(1-ethylpentyl)-3-oxazolidinyl)ethyl)carbamate  
m-tolyidene diisocyanate  
hexahydromethylphthalic anhydride  
dibutyltin dilaurate  
2-ethylhexanal

### - Hazard statements

H226 Flammable liquid and vapour.  
H319 Causes serious eye irritation.  
H317 May cause an allergic skin reaction.  
H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.  
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.

(Contd. on page 2)

# Safety data sheet

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

Printing date 26.08.2022

Version number 13 (replaces version 12)

Revision: 26.08.2022

Trade name: **KEMCO 1K-Primer**

(Contd. of page 1)

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:**
- **vPvB:**

Not applicable.  
Not applicable.

### SECTION 3: Composition/information on ingredients

**- 3.2 Mixtures**

**- Description:**

Mixture: consisting of the following components.

**- Dangerous components:**

CAS: 64742-95-6 EINECS: 265-199-0 Index number: 649-356-00-4 Reg.nr.: 01-2119455851-35	Solvent naphtha (petroleum), light arom. Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H335-H336, EUH066	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: 53880-05-0 EC number: 931-312-3 Reg.nr.: 01-2119488734-24	Isophorondiisocyanate homopolymer Skin Sens. 1, H317; STOT SE 3, H335	2.5-10%
CAS: 140921-24-0 ELINCS: 411-700-4 Index number: 616-079-00-5 Reg.nr.: 01-2119890830-32	1,6-hexanediy-bis(2-(2-(1-ethylpentyl)-3-oxazolidinyl)ethyl)carbamate Skin Sens. 1, H317	2.5-10%
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, EUH066	≥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; Eye Irrit. 2, H319; Skin Sens. 1, H317	≥0.25-<0.3%
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	≥0.1-<0.5%
CAS: 123-05-7 EINECS: 204-596-5 Reg.nr.: 01-2119475603-36	2-ethylhexanal Flam. Liq. 3, H226; Repr. 2, H361; Skin Sens. 1B, H317	≥0.1-<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, EUH204 Specific concentration limits: Resp. Sens. 1; H334: C ≥ 0.5 % Skin Sens. 1; H317: C ≥ 0.5 %	<0.1%
CAS: 26471-62-5 EINECS: 247-722-4 Index number: 615-006-00-4 Reg.nr.: 01-2119454791-34	m-tolyldiene diisocyanate Acute Tox. 2, 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, EUH204 Specific concentration limit: Resp. Sens. 1; H334: C ≥ 0.1 %	<0.1%

**- 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.  
In case of unconsciousness place patient stably in side position for transportation.  
Supply fresh air; consult doctor in case of complaints.

**- After inhalation:**

(Contd. on page 3)

# Safety data sheet

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

Printing date 26.08.2022

Version number 13 (replaces version 12)

Revision: 26.08.2022

Trade name: **KEMCO 1K-Primer**

(Contd. of page 2)

- **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.
- **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.  
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:** Protect from frost.  
Store in dry conditions.  
Keep container tightly sealed.  
Recommended storage temperature: 5-30 °C
- **Storage class:** 3

(Contd. on page 4)

# Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 26.08.2022

Version number 13 (replaces version 12)

Revision: 26.08.2022

Trade name: **KEMCO 1K-Primer**

- 7.3 Specific end use(s)

No further relevant information available.

(Contd. of page 3)

## SECTION 8: Exposure controls/personal protection

### - 8.1 Control parameters

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

##### 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

##### 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

##### 26471-62-5 m-tolylidene 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

#### - Regulatory information

WEL: EH40/2020

#### - Ingredients with biological limit values:

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

BMGV 1 µmol creatinine/mol  
Medium: urine  
Sampling time: At the end of the period of exposure  
Parameter: isocyanate-derived diamine

#### - 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

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.  
Check protective gloves prior to each use for their proper condition.  
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.

##### - 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: ≥ 0.1 mm

Penetration time (min.): < 10

(Contd. on page 5)

# Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 26.08.2022

Version number 13 (replaces version 12)

Revision: 26.08.2022

Trade name: **KEMCO 1K-Primer**

(Contd. of page 4)

- 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:	According to product specification
- Odour:	Characteristic
- Odour threshold:	Not determined.
- Melting point/freezing point:	Undetermined.
- Boiling point or initial boiling point and boiling range	155 °C
- Flammability	Not applicable.
- Lower and upper explosion limit	
- Lower:	Not determined.
- Upper:	Not determined.
- Flash point:	39 °C
- Decomposition temperature:	Not determined.
- pH	Not determined.
- Viscosity:	
- Kinematic viscosity at 20 °C	46 mm <sup>2</sup> /s
- Dynamic:	Not determined.
- Solubility	
- water:	Not miscible or difficult to mix.
- Partition coefficient n-octanol/water (log value)	Not determined.
- Density and/or relative density	
- Density at 20 °C:	0.97 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)	43.90 %
- 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

(Contd. on page 6)

# Safety data sheet

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

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Trade name: **KEMCO 1K-Primer**

(Contd. of page 5)

### - 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 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 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:

#### 64742-95-6 Solvent naphtha (petroleum), light arom.

Oral	LD50	>5,000 mg/kg (rat)
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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#### 53880-05-0 Isophorondiisocyanate homopolymer

Oral	LD50	>14,000 mg/kg (rat) (OECD 401)
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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)

#### hydrocarbons, C9, aromatic

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

(Contd. on page 7)

# Safety data sheet

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

Printing date 26.08.2022

Version number 13 (replaces version 12)

Revision: 26.08.2022

Trade name: **KEMCO 1K-Primer**

(Contd. of page 6)

**77-58-7 dibutyltin dilaurate**

Oral LD50 2,071 mg/kg (rat) (equivalent or similar to OECD 401; Sarasin, G. 1981)

**25550-51-0 hexahydromethylphthalic anhydride**

Oral LD50 &gt;5,000 mg/kg (rat)

**123-05-7 2-ethylhexanal**

Oral LD50 3,730 mg/kg (rat)

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

Inhalative LC50/4 h 0.05 mg/l (ATE)

**26471-62-5 m-tolylidene diisocyanate**

Oral LD50 5,110 mg/kg (rat)

Inhalative LC50/4 h 0.107 mg/l (rat)

Inhalative LC50/1 h 0.47 mg/l (rat)

- **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 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 respiratory irritation. May cause drowsiness or dizziness.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** May be fatal if swallowed and enters airways.
- **11.2 Information on other hazards**

**- Endocrine disrupting properties**

None of the ingredients is listed.

**SECTION 12: Ecological information****- 12.1 Toxicity****- Aquatic toxicity:****64742-95-6 Solvent naphtha (petroleum), light arom.**

LL 50 9.2 mg/l (fish) (96h; OECD 203)

EC50 3.2 mg/l (Daphnia magna) (48h; OECD 202)

EC50 2.6 mg/l (Pseudokirchneriella subcapitata) (72h; OECD 201)

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

EC50 &gt;10,000 mg/l (Belebtschlamm) (OECD 209)

**53880-05-0 Isophorondiisocyanate homopolymer**

LC50/96 h &gt;1.51 mg/l (Cyprinus Carpio) (Richtlinie 67/548/EWG, Anhang V, C.1.)

EC50 &gt;3.36 mg/l (Daphnia magna) (OECD 202)

EC50 &gt;10,000 mg/l (Belebtschlamm) (OECD 209)

**140921-24-0 1,6-hexanediyl-bis(2-(2-(1-ethylpentyl)-3-oxazolidinyl)ethyl)carbamate**

LC50/96 h 316 mg/l (Danio rerio (Zebraabbling)) (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)

**hydrocarbons, C9, aromatic**

LL 50 9.2 mg/l (Oncorhynchus mykiss (Regenbogenforelle)) (96h; OECD 203)

EL50 2.9 mg/l (Pseudokirchneriella subcapitata) (72h; OECD 201)

EC50 3.2 mg/l (Daphnia magna) (48h; OECD 202)

EC50 &gt;99 mg/l (Belebtschlamm) (10 min.; OECD 209)

**77-58-7 dibutyltin dilaurate**

EC50 3.1 mg/l (Brachydanio rerio (Ricefish))

&gt;2 mg/l (DESMODESMUS SUBSPICATUS) (72h)

1 mg/l (Scenedesmus subspicatus)

0.463 mg/l (Daphnia magna) (OECD 202)

LC 50 2 mg/l (Leuciscus idus (Goldorfe)) (48h)

LC20 2 mg/l (Leuciscus idus (Goldorfe)) (48h)

- **12.2 Persistence and degradability** No further relevant information available.

(Contd. on page 8)

# Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 26.08.2022

Version number 13 (replaces version 12)

Revision: 26.08.2022

Trade name: **KEMCO 1K-Primer**

(Contd. of page 7)

- 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 The product does not contain substances with endocrine disrupting properties.
- 12.7 Other adverse 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

## 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 UN1866
- 14.2 UN proper shipping name
- ADR 1866 RESIN SOLUTION, ENVIRONMENTALLY HAZARDOUS
- IMDG RESIN SOLUTION, MARINE POLLUTANT
- IATA 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

(Contd. on page 9)

# Safety data sheet

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

Printing date 26.08.2022

Version number 13 (replaces version 12)

Revision: 26.08.2022

Trade name: **KEMCO 1K-Primer**

(Contd. of page 8)

<ul style="list-style-type: none"> <li>- 14.4 Packing group</li> <li>- ADR, IMDG, IATA</li> </ul>	<p style="text-align: center;">III</p>
<ul style="list-style-type: none"> <li>- 14.5 Environmental hazards:</li> <li>- Marine pollutant:</li> <li>- Special marking (ADR):</li> </ul>	<p>Product contains environmentally hazardous substances: dibutyltin dilaurate Yes Symbol (fish and tree) Symbol (fish and tree)</p>
<ul style="list-style-type: none"> <li>- 14.6 Special precautions for user</li> <li>- Hazard identification number (Kemler code):</li> <li>- EMS Number:</li> <li>- Stowage Category</li> </ul>	<p>Warning: Flammable liquids. 30 F-E, S-E A</p>
<ul style="list-style-type: none"> <li>- 14.7 Maritime transport in bulk according to IMO instruments</li> </ul> <p>Not applicable.</p>	
<p>- Transport/Additional information:</p> <hr style="border-top: 1px dashed black;"/> <ul style="list-style-type: none"> <li>- ADR</li> <li>- Limited quantities (LQ)</li> <li>- Excepted quantities (EQ)</li> </ul> <p style="margin-left: 20px;">5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml</p> <ul style="list-style-type: none"> <li>- Transport category</li> <li>- Tunnel restriction code</li> </ul> <p style="margin-left: 20px;">3 D/E</p> <hr style="border-top: 1px dashed black;"/> <ul style="list-style-type: none"> <li>- IMDG</li> <li>- Limited quantities (LQ)</li> <li>- Excepted quantities (EQ)</li> </ul> <p style="margin-left: 20px;">5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml</p>	
<ul style="list-style-type: none"> <li>- UN "Model Regulation":</li> </ul>	<p>UN 1866 RESIN SOLUTION, 3, III, ENVIRONMENTALLY HAZARDOUS</p>

### SECTION 15: Regulatory information

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

<ul style="list-style-type: none"> <li>- Directive 2012/18/EU</li> <li>- Named dangerous substances - ANNEX I</li> <li>- Seveso category</li> </ul>	<p>None of the ingredients is listed. E2 Hazardous to the Aquatic Environment P5c FLAMMABLE LIQUIDS</p>
<ul style="list-style-type: none"> <li>- Qualifying quantity (tonnes) for the application of lower-tier requirements</li> <li>- Qualifying quantity (tonnes) for the application of upper-tier requirements</li> </ul>	<p>200 t 500 t</p>
<ul style="list-style-type: none"> <li>- REGULATION (EC) No 1907/2006 ANNEX XVII</li> </ul>	<p>Conditions of restriction: 3, 20, 74</p>

<ul style="list-style-type: none"> <li>- Regulation (EU) No 649/2012</li> </ul>	<p>77-58-7   dibutyltin dilaurate</p>	<p>Annex I Part 1</p>
<ul style="list-style-type: none"> <li>- DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II</li> </ul> <p>None of the ingredients is listed.</p>		
<ul style="list-style-type: none"> <li>- REGULATION (EU) 2019/1148</li> </ul>		
<ul style="list-style-type: none"> <li>- Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))</li> </ul> <p>None of the ingredients is listed.</p>		
<ul style="list-style-type: none"> <li>- Annex II - REPORTABLE EXPLOSIVES PRECURSORS</li> </ul> <p>None of the ingredients is listed.</p>		
<ul style="list-style-type: none"> <li>- Regulation (EC) No 273/2004 on drug precursors</li> </ul>		
<p>108-88-3   toluene</p>	<p>3</p>	
<ul style="list-style-type: none"> <li>- Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors</li> </ul>		
<p>108-88-3   toluene</p>	<p>3</p>	
<ul style="list-style-type: none"> <li>- National regulations:</li> <li>- Substances of very high concern (SVHC) according to UK REACH</li> </ul>		
<p>25550-51-0   hexahydromethylphthalic anhydride</p>		

(Contd. on page 10)

# Safety data sheet

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

Printing date 26.08.2022

Version number 13 (replaces version 12)

Revision: 26.08.2022

Trade name: **KEMCO 1K-Primer**

- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

(Contd. of page 9)

### 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**

- H226 Flammable liquid and vapour.
- H304 May be fatal if swallowed and enters airways.
- 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.
- 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.
- H361 Suspected of damaging fertility or the unborn child.
- H370 Causes damage to organs.
- H372 Causes 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.
- H412 Harmful to aquatic life with long lasting effects.
- 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:**

19.05.2021

**- Version number of previous version:**

12

**- 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)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
- Flam. Liq. 3: Flammable liquids – Category 3
- Acute Tox. 1: Acute toxicity – Category 1
- Acute Tox. 2: Acute toxicity – Category 2
- 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
- Skin Sens. 1B: Skin sensitisation – Category 1B
- Muta. 2: Germ cell mutagenicity – Category 2
- Carc. 2: Carcinogenicity – Category 2
- Repr. 1B: Reproductive toxicity – Category 1B
- Repr. 2: Reproductive toxicity – Category 2
- 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
- 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

**- 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.