



**Safety data sheet  
according to 1907/2006/EC, Article 31**

Printing date 24.11.2022

Version number 1

Revision: 24.11.2022

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

- **1.1 Product identifier**
  - Trade name: **dima Print Stone Gray**
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**

No further relevant information available.


  - **Application of the substance / the mixture** Manufacture of dental prothesis
- **1.3 Details of the supplier of the safety data sheet**
  - **Manufacturer/Supplier:**  
Kulzer GmbH  
Leipziger Straße 2, 63450 Hanau (Germany) Tel.: +49 (0)800 4372522
  - **Informing department:** E-Mail: [msds@kulzer-dental.com](mailto:msds@kulzer-dental.com)
- **1.4 Emergency telephone number:** Emergency CONTACT (24-Hour-Number): +49 (0)6132-84463

**SECTION 2: Hazards identification**

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

Skin Irrit. 2      H315 Causes skin irritation.  
Eye Dam. 1      H318 Causes serious eye damage.  
Skin Sens. 1      H317 May cause an allergic skin reaction.  
Aquatic Chronic 2      H411 Toxic to aquatic life with long lasting effects.
- **2.2 Label elements**
  - **Labelling according to Regulation (EC) No 1272/2008**

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

    - **Hazard pictograms**  
  
GHS05   GHS07   GHS09
  - **Signal word** Danger
  - **Hazard-determining components of labelling:**

(2,4,6-trioxo-1,3,5-triazinane-1,3,5-triyl)triethylene triacrylate  
7,7,9(or 7,9,9)-trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecane-1,16-diyl bismethacrylate  
Tricyclodecane dimethanol diacrylate  
(octahydro-4,7-methano-1H-indenyl)methyl acrylate  
phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide
  - **Hazard statements**

H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H317 May cause an allergic skin reaction.  
H411 Toxic to aquatic life with long lasting effects.
  - **Precautionary statements**

P273      Avoid release to the environment.  
P280      Wear protective gloves / eye protection.  
P302+P352      IF ON SKIN: Wash with plenty of soap and water.  
P305+P351+P338      IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P333+P313      If skin irritation or rash occurs: Get medical advice/attention.  
P337+P313      If eye irritation persists: Get medical advice/attention.

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- **Additional information:**  
Contains isocyanates. May produce an allergic reaction.
- **2.3 Other hazards -**
- **Results of PBT and vPvB assessment**
  - **PBT:** Not applicable.
  - **vPvB:** Not applicable.

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

· **3.2 Mixtures**

· **Description:** -

· **Dangerous components:**

CAS: 72869-86-4 EINECS: 276-957-5 Reg.nr.: 01-2120751202-68-xxxx	7,7,9(or 7,9,9)-trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecane-1,16-diyl bismethacrylate ----- Aquatic Chronic 2, H411 Skin Sens. 1B, H317 EUH204	≥10-<25%
CAS: 40220-08-4 EINECS: 254-843-6 Reg.nr.: 01-2120741502-64-xxxx	(2,4,6-trioxo-1,3,5-triazinane-1,3,5-triyl)triethylene triacrylate ----- Eye Dam. 1, H318 Aquatic Chronic 2, H411 Skin Sens. 1B, H317	≥10-<25%
CAS: 42594-17-2 Reg.nr.: 01-2120051112-76-xxxx	Tricyclodecane dimethanol diacrylate ----- Aquatic Chronic 2, H411 Skin Sens. 1B, H317	≥10-<25%
CAS: 127823-21-6 EC number: 300-723-4 Reg.nr.: 01-2120785023-58-xxxx	(octahydro-4,7-methano-1H-indenyl)methyl acrylate ----- Aquatic Chronic 2, H411 Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317; STOT SE 3, H335	≥10-<20%
CAS: 41637-38-1 EC number: 609-946-4	bisphenol a polyethylene glycol diether dimethacrylate ----- Aquatic Chronic 4, H413	≥0-≤5%
CAS: 162881-26-7 ELINCS: 423-340-5 Reg.nr.: 01-2119489401-38-xxxx	phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide ----- Skin Sens. 1A, H317 Aquatic Chronic 4, H413	≥1-<5%
CAS: 131-57-7 EINECS: 205-031-5	Oxybenzone ----- Aquatic Acute 1, H400; Aquatic Chronic 2, H411	≥0.25-<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**

· **After inhalation** Supply fresh air; consult doctor in case of symptoms.

· **After skin contact**

Instantly wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

· **After eye contact**

Rinse opened eye for several minutes under running water. Then consult doctor.

· **After swallowing**

Rinse out mouth and then drink plenty of water.

In case of persistent symptoms consult doctor.

· **4.2 Most important symptoms and effects, both acute and delayed Allergic reactions**

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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>, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.  
Use fire fighting measures that suit the environment.
- **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:** No special measures required.
  - **Additional information -**

### **SECTION 6: Accidental release measures**

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Avoid contact with eyes and skin.  
Wear protective equipment. Keep unprotected persons away.
- **6.2 Environmental precautions:**  
Do not allow to enter drainage system, surface or ground water.  
Prevent material from reaching sewage system, holes and cellars.
- **6.3 Methods and material for containment and cleaning up:**  
Dispose of the material collected according to regulations.
- **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 information on disposal.  
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### **SECTION 7: Handling and storage**

- **7.1 Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace.
  - **Information about protection against explosions and fires:**  
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 containers:** Protect from the effects of light.
    - **Information about storage in one common storage facility:** Not required.
    - **Further information about storage conditions:** None.
- **7.3 Specific end use(s)** No further relevant information available.

### **SECTION 8: Exposure controls/personal protection**

- **8.1 Control parameters**
  - **Components with critical values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.  
Not required.

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**· DNELs**

**72869-86-4 7,7,9(or 7,9,9)-trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecane-1,16-diyl bismethacrylate**

Oral	general population, long term, systemic	0.3 mg/Kg (not defined)
Dermal	worker industrial, long term, systemic	1.3 mg/Kg/d (not defined)
Inhalative	general population, long term, systemic	0.7 mg/Kg/d (not defined)
	worker industrial, long term, systemic	3.3 mg/m3 (not defined)
	general population, long term, systemic	0.6 mg/m3 (not defined)

**40220-08-4 (2,4,6-trioxo-1,3,5-triazinane-1,3,5-triyl)triethylene triacrylate**

Oral	general population, long term, systemic	0.083 mg/Kg (not defined)
Dermal	worker industrial, long term, systemic	2.3 mg/Kg/d (not defined)
Inhalative	general population, long term, systemic	0.83 mg/Kg/d (not defined)
	worker industrial, long term, systemic	1.65 mg/m3 (not defined)
	general population, long term, systemic	0.29 mg/m3 (not defined)

**41637-38-1 bisphenol a polyethylene glycol diether dimethacrylate**

Oral	general population, long term, systemic	5 mg/Kg (not defined)
Dermal	worker industrial, long term, systemic	140 mg/Kg/d (not defined)
Inhalative	general population, long term, systemic	50 mg/Kg/d (not defined)
	worker industrial, long term, systemic	98.7 mg/m3 (not defined)
	general population, long term, systemic	17.4 mg/m3 (not defined)

**131-57-7 Oxybenzone**

Oral	general population, long term, systemic	2 mg/Kg (not defined)
Dermal	worker industrial, long term, systemic	39 mg/Kg/d (not defined)
Inhalative	general population, long term, systemic	20 mg/Kg/d (not defined)
	worker industrial, long term, systemic	27.7 mg/m3 (not defined)
	general population, long term, systemic	6.8 mg/m3 (not defined)

**· PNECs**

**72869-86-4 7,7,9(or 7,9,9)-trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecane-1,16-diyl bismethacrylate**

freshwater	0.01 mg/l (not defined)
marine water	0.001 mg/l (not defined)
sewage treatment plant	3.61 mg/l (not defined)
sediment, dry weight, freshwater	4.56 mg/Kg (not defined)
sediment, dry weight, marine water	0.46 mg/Kg (not defined)
soil, dry weight	0.91 mg/Kg (not defined)

**40220-08-4 (2,4,6-trioxo-1,3,5-triazinane-1,3,5-triyl)triethylene triacrylate**

freshwater	0.00943 mg/l (not defined)
marine water	0.000943 mg/l (not defined)
sewage treatment plant	10 mg/l (not defined)
sediment, dry weight, freshwater	0.62 mg/Kg (not defined)
sediment, dry weight, marine water	0.062 mg/Kg (not defined)
soil, dry weight	0.118 mg/Kg (not defined)

**42594-17-2 Tricyclodecane dimethanol diacrylate**

freshwater	0.0016 mg/l (not defined)
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marine water	0.00016 mg/l (not defined)
sewage treatment plant	10 mg/l (not defined)
sediment, dry weight, freshwater	0.6576 mg/Kg (not defined)
sediment, dry weight, marine water	0.0658 mg/Kg (not defined)
soil, dry weight	0.1306 mg/Kg (not defined)
<b>131-57-7 Oxybenzone</b>	
freshwater	0.00067 mg/l (not defined)
marine water	0.00067 mg/l (not defined)
sewage treatment plant	10 mg/l (not defined)
sediment, dry weight, freshwater	0.066 mg/Kg (not defined)
sediment, dry weight, marine water	0.007 mg/Kg (not defined)
soil, dry weight	0.013 mg/Kg (not defined)

· **Additional information:** The lists that were valid during the compilation were used as basis.

· **8.2 Exposure controls**

· **Individual protection measures, such as personal protective equipment**

· **General protective and hygienic measures**

Avoid contact with the eyes.

Instantly remove any soiled and impregnated garments.

Wash hands during breaks and at the end of the work.

· **Breathing equipment:** Not necessary if room is well-ventilated.

· **Hand protection**

If skin contact cannot be avoided, protective gloves are recommended to avoid possible sensitization.

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

recommended

· **Material of gloves**

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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:**

Butyl rubber, BR

Nitrile rubber, NBR

· **Eye/face protection** Tightly sealed safety glasses.

· **Body protection:** Light weight protective clothing

**SECTION 9: Physical and chemical properties**

· **9.1 Information on basic physical and chemical properties**

· **General Information**

· **Physical state**

Fluid

· **Colour:**

Grey

· **Smell:**

Benzen-like

· **Odour threshold:**

Not determined.

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<ul style="list-style-type: none"><li>· <b>Melting point/freezing point:</b></li><li>· <b>Boiling point or initial boiling point and boiling range</b></li> <li>· <b>Flammability</b></li><li>· <b>Lower and upper explosion limit</b><ul style="list-style-type: none"><li>· <b>Lower:</b></li><li>· <b>Upper:</b></li></ul></li><li>· <b>Flash point:</b></li> <li>· <b>Ignition temperature:</b></li><li>· <b>Decomposition temperature:</b></li><li>· <b>SADT</b></li><li>· <b>pH</b></li><li>· <b>Viscosity:</b><ul style="list-style-type: none"><li>· <b>Kinematic viscosity</b></li><li>· <b>dynamic:</b></li></ul></li><li>· <b>Solubility</b><ul style="list-style-type: none"><li>· <b>Water:</b></li></ul></li><li>· <b>Partition coefficient n-octanol/water (log value)</b></li><li>· <b>Steam pressure at 20 °C:</b></li> <li>· <b>Density and/or relative density</b><ul style="list-style-type: none"><li>· <b>Density</b></li><li>· <b>Relative density</b></li><li>· <b>Vapour density</b></li></ul></li></ul>	<p>Not determined</p> <p>140 °C (72869-86-4 7,7,9(or 7,9,9)-trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecane-1,16-diyl bismethacrylate)</p> <p>Not applicable.</p> <p>Not determined. Not determined.</p> <p>&gt;100 °C (72869-86-4 7,7,9(or 7,9,9)-trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecane-1,16-diyl bismethacrylate)</p> <p>Not determined. Not determined.</p> <p>Not determined.</p> <p>Not determined.</p> <p>Not determined. Not determined.</p> <p>Not miscible or difficult to mix</p> <p>Not determined. 40 hPa (72869-86-4 7,7,9(or 7,9,9)-trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecane-1,16-diyl bismethacrylate)</p> <p>Not determined Not determined Not determined.</p>
<ul style="list-style-type: none"><li>· <b>9.2 Other information</b></li><li>· <b>Appearance:</b><ul style="list-style-type: none"><li>· <b>Form:</b></li></ul></li><li>· <b>Important information on protection of health and environment, and on safety.</b><ul style="list-style-type: none"><li>· <b>Self-inflammability:</b></li><li>· <b>Explosive properties:</b></li></ul></li><li>· <b>Change in condition</b><ul style="list-style-type: none"><li>· <b>Evaporation rate</b></li></ul></li></ul>	<p>No further relevant information available.</p> <p>Fluid</p> <p>Product is not selfigniting. Product is not explosive. Not determined.</p> <p>Not determined.</p>
<ul style="list-style-type: none"><li>· <b>Information with regard to physical hazard classes</b><ul style="list-style-type: none"><li>· <b>Explosives</b></li><li>· <b>Flammable gases</b></li><li>· <b>Aerosols</b></li><li>· <b>Oxidising gases</b></li><li>· <b>Gases under pressure</b></li><li>· <b>Flammable liquids</b></li><li>· <b>Flammable solids</b></li><li>· <b>Self-reactive substances and mixtures</b></li><li>· <b>Pyrophoric liquids</b></li><li>· <b>Pyrophoric solids</b></li></ul></li></ul>	<p>Void</p> <p>Void</p> <p>Void</p> <p>Void</p> <p>Void</p> <p>Void</p> <p>Void</p> <p>Void</p> <p>Void</p>

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· <b>Self-heating substances and mixtures</b>	Void
· <b>Substances and mixtures, which emit flammable gases in contact with water</b>	Void
· <b>Oxidising liquids</b>	Void
· <b>Oxidising solids</b>	Void
· <b>Organic peroxides</b>	Void
· <b>Corrosive to metals</b>	Void
· <b>Desensitised explosives</b>	Void

**SECTION 10: Stability and reactivity**

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
  - **Conditions to be avoided:** No decomposition if used and stored according to specifications.
- **10.3 Possibility of hazardous reactions**
  - Photoreactive
  - Polymerisation
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** None
  - **Additional information:** -

**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 that are relevant for classification:**

**72869-86-4 7,7,9(or 7,9,9)-trimethyl-4,13-dioxo-3,14-dioxo-5,12-diazahexadecane-1,16-diyl bismethacrylate**

Oral LD50 >5,000 mg/kg (rat) (OECD 401)

Dermal LD50 >2,000 mg/kg (rat) (OECD 402)

**40220-08-4 (2,4,6-trioxo-1,3,5-triazinane-1,3,5-triyl)triethylene triacrylate**

Oral LD50 >2,000 mg/kg (rat) (OECD 423)

**42594-17-2 Tricyclodecane dimethanol diacrylate**

Oral LD0 >2,000 mg/kg (rat) (OECD 423)

Dermal LD0 >2,000 mg/kg (rat) (OECD 402)

**127823-21-6 (octahydro-4,7-methano-1H-indenyl)methyl acrylate**

Oral LD0 >2,000 mg/kg (rat) (OECD 423)

**41637-38-1 bisphenol a polyethylene glycol diether dimethacrylate**

Oral LD50 >2,000 mg/kg (rat) (OECD 423)

Dermal LD50 >2,000 mg/kg (rat) (OECD 402)

**162881-26-7 phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide**

Oral LD50 >2,000 mg/kg (rat) (OECD 401)

Dermal LD50 >2,000 mg/kg (rat) (OECD 402)

**131-57-7 Oxybenzone**

Oral LD50 >12,800 mg/kg (rat) (OECD 401)

Dermal LD50 >16,000 mg/kg (rabbit) (OECD 402)

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- **Skin corrosion/irritation**  
Causes skin irritation.
- **Serious eye damage/irritation**  
Causes serious eye damage.
- **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**

**162881-26-7 phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide**

Oral NOAEL (parental toxicity) >1,000 mg/kg/d (rat)

- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **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.

· **11.2 Information on other hazards**

· **Endocrine disrupting properties**

None of the ingredients is listed.

**SECTION 12: Ecological information**

· **12.1 Toxicity**

· **Aquatic toxicity:**

**72869-86-4 7,7,9(or 7,9,9)-trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecane-1,16-diyl bismethacrylate**

EC50/48h >1.2 mg/l (daphnia) (OECD 202)

LC50/96h 10.1 mg/l (fish) (OECD 203)

ErC50 / 72 h >0.68 mg/l (algae) (OECD 201)

NOEC / 72h 0.21 mg/l (algae) (OECD 201)

**40220-08-4 (2,4,6-trioxo-1,3,5-triazinane-1,3,5-triyl)triethylene triacrylate**

EC50/48h 158.3 mg/l (daphnia) (OECD 202)

LC50/96h 9.43 mg/l (fish) (OECD 203)

ErC50 / 72 h 25.7 mg/l (algae) (OECD 201)

ErC10/72h 12.9 mg/L (algae) (OECD 201)

**42594-17-2 Tricyclodecane dimethanol diacrylate**

EC50/48h 2.36 mg/l (daphnia) (OECD 202)

LC50/96h 1.65 mg/l (fish) (OECD 203)

ErC50 / 72 h 1.6 mg/l (algae) (OECD 201)

**41637-38-1 bisphenol a polyethylene glycol diether dimethacrylate**

LL50/96h >100 mg/L (fish) (OECD 203)

EL50/48h >100 mg/L (daphnia) (OECD 202)

EL50/72h >100 mg/L (algae) (OECD 201)

NOEC / 21d ≥0.00224 mg/l (daphnia) (OECD 211)

**162881-26-7 phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide**

EC50/72h >0.26 mg/l (algae) (OECD 201)

EC50/48h >1.175 mg/l (daphnia) (OECD 202)

LC50/96h >0.09 mg/l (fish) (OESO 203)

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**131-57-7 Oxybenzone**

EC50/48h	1.87 mg/l (daphnia) (OECD 202)
LC50/96h	3.8 mg/l (fish) (OECD 203)
ErC50 / 72 h	0.67 mg/l (algae) (OECD 201)
NOEC / 72h	0.18 mg/l (algae) (OECD 201)
NOEC / 96h	0.72 mg/l (fish) (OECD 203)
NOEC / 48h	1.15 mg/l (daphnia) (OECD 202)

**12.2 Persistence and degradability**

**72869-86-4 7,7,9(or 7,9,9)-trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecane-1,16-diyl bismethacrylate**

Biodegradation 22 % /28d (not defined) (OECD 301B; ISO/ 9439/ EEC 92/69/V, C.4-C)

**40220-08-4 (2,4,6-trioxo-1,3,5-triazinane-1,3,5-triyl)triethylene triacrylate**

Biodegradation 14.5-19.7 % /28d (not defined) (OECD 301F; ISO 9408/ EEC 92/69/V, C.4-D)

**41637-38-1 bisphenol a polyethylene glycol diether dimethacrylate**

Biodegradation 24 % /28d (not defined) (OECD 301D)

**131-57-7 Oxybenzone**

Biodegradation 60-70 % /28d (not defined)

**12.3 Bioaccumulative potential**

**131-57-7 Oxybenzone**

Bloconcentration factor (BCF) >33-<160 (fish) (OECD 305)

· **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.

· **12.7 Other adverse effects**

· **Remark:** Harmful to fish

· **Additional ecological information:**

· **General notes:**

Do not allow product to reach ground water, water bodies or sewage system.  
Harmful to aquatic organisms  
Danger to drinking water if even small quantities leak into soil.

**SECTION 13: Disposal considerations**

· **13.1 Waste treatment methods**

· **Recommendation**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.  
Disposal must be made according to official regulations.

· **Uncleaned packagings:**

· **Recommendation:**

Disposal must be made according to official regulations.  
Non contaminated packagings can be used for recycling.

GB

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**SECTION 14: Transport information**

· **14.1 UN number or ID number**  
· ADR, IMDG, IATA

UN3082

· **14.2 UN proper shipping name**  
· ADR

3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (7,7,9(or 7,9,9)-trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecane-1,16-diyl bismethacrylate, (octahydro-4,7-methano-1H-indenyl)methyl acrylate)

· **IMDG**

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (7,7,9(or 7,9,9)-trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecane-1,16-diyl bismethacrylate, (octahydro-4,7-methano-1H-indenyl)methyl acrylate), MARINE POLLUTANT

· **IATA**

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (7,7,9(or 7,9,9)-trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecane-1,16-diyl bismethacrylate, (octahydro-4,7-methano-1H-indenyl)methyl acrylate)

· **14.3 Transport hazard class(es)**  
· ADR

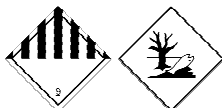


· **Class**

9 (M6) Miscellaneous dangerous substances and articles.  
9

· **Label**

· **IMDG, IATA**



· **Class**

9 Miscellaneous dangerous substances and articles.  
9

· **Label**

· **14.4 Packing group**  
· ADR, IMDG, IATA

III

· **14.5 Environmental hazards:**  
· **Marine pollutant:**  
· **Special marking (ADR):**  
· **Special marking (IATA):**

Symbol (fish and tree)  
Symbol (fish and tree)  
Symbol (fish and tree)

· **14.6 Special precautions for user**

Warning: Miscellaneous dangerous substances and articles.

· **Kemler Number:**

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· <b>EMS Number:</b>	F-A, S-F
· <b>Stowage Category</b>	A
· <b>14.7 Maritime transport in bulk according to IMO instruments</b>	Not applicable.
· <b>Transport/Additional information:</b>	-
· <b>ADR</b>	
· <b>Limited quantities (LQ)</b>	5L
· <b>Excepted quantities (EQ)</b>	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· <b>Transport category</b>	3
· <b>Tunnel restriction code</b>	-
· <b>IMDG</b>	
· <b>Limited quantities (LQ)</b>	5L
· <b>Excepted quantities (EQ)</b>	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· <b>UN "Model Regulation":</b>	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (7,7,9(OR 7,9,9)-TRIMETHYL-4,13-DIOXO-3,14-DIOXA-5,12-DIAZAHEXADECANE-1,16-DIYL BISMETHACRYLATE, (OCTAHYDRO-4,7-METHANO-1H-INDENYL)METHYL ACRYLATE), 9, III

### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
  - **Directive 2012/18/EU**
    - **Named dangerous substances - ANNEX I** None of the ingredients is listed.
    - **Seveso category E2** Hazardous to the Aquatic Environment
    - **Qualifying quantity (tonnes) for the application of lower-tier requirements** 200 t
    - **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases**

- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H335 May cause respiratory irritation.

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H400 Very toxic to aquatic life.

H411 Toxic to aquatic life with long lasting effects.

H413 May cause long lasting harmful effects to aquatic life.

EUH204 Contains isocyanates. May produce an allergic reaction.

**Abbreviations and acronyms:**

SADT: Self Accelerating Decomposition Temperature

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)

DNEL: Derived No-Effect Level (UK REACH)

PNEC: Predicted No-Effect Concentration (UK REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

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

Skin Sens. 1: Skin sensitisation – Category 1

Skin Sens. 1A: Skin sensitisation – Category 1A

Skin Sens. 1B: Skin sensitisation – Category 1B

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

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

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

Aquatic Chronic 4: Hazardous to the aquatic environment - long-term aquatic hazard – Category 4

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