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#### Safety Data Sheet acc. to OSHA HCS

Printing date 09/09/2025

Reviewed on 09/09/2025

#### 1 Identification

- · Product identifier
  - · Trade name: dima Print Stone beige
  - · Application of the substance / the mixture Manufacture of dental prothesis
- · Details of the supplier of the safety data sheet
  - Manufacturer/Supplier:

Kulzer GmbH

Leipziger Straße 2, 63450 Hanau (Germany) Tel.: +49 (0)800 4372522

Information department:

Tel. +1 (800) 431-1785 Fax: +1 (800) 522-1545 e-mail: customer.servicehkna@kulzer-dental.com Tel. +1 (800) 431-1785 Fax: +1 (800) 522-1545 e-mail: customer.servicehkna@kulzer-dental.com

· Emergency telephone number:

Emergency CONTACT (24-Hour-Number) ID 105860: (domestic) 1 800 535 5053 or international (001) 352 323 3500

### 2 Hazard(s) identification

Classification of the substance or mixture

Skin Irritation 2 H315 Causes skin irritation.

Eve Damage 1 H318 Causes serious eve damage. Sensitization - Skin 1 H317 May cause an allergic skin reaction.

· Label elements

GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

· Hazard pictograms





GHS05 GHS07

- · Signal word Danger
- · Hazard-determining components of labeling:

(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 (octahydro-4,7-methano-1H-indenyl)methyl acrylate

Tricyclodecane dimethanol diacrylate

phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide

Hazard statements

Causes skin irritation.

Causes serious eye damage.

May cause an allergic skin reaction.

Precautionary statements

Avoid release to the environment.

Wear protective gloves / eye protection.

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If on skin: Wash with plenty of soap and water.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If skin irritation or rash occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

Classification system

· NFPA ratings for USA (scale 0-4)



Health = 3Fire = 1 Reactivity = 0

· HMIS-Ratings (Scale 0-4)



Health = \*3*Fire* = 1

- · Results of PBT and vPvB assessment
  - · **PBT:** Not applicable. · vPvB: Not applicable.

### 3 Composition/information on ingredients

- Chemical characterization: Mixtures
  - Description: -

· Dangerou	is components:	
72869-86-4	7,7,9(or 7,9,9)-trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecane-1,16-diyl bismethacrylate	≥10-≤50%
	Sensitization - Skin 1B, H317	
127823-21-6	(octahydro-4,7-methano-1H-indenyl)methyl acrylate	≥10-≤25%
	Skin Irritation 2, H315; Eye Irritation 2A, H319; Sensitization - Skin 1B, H317; Specific Target Organ Toxicity - Single Exposure 3, H335	
40220-08-4	(2,4,6-trioxo-1,3,5-triazinane-1,3,5-triyl)triethylene triacrylate Eye Damage 1, H318 Sensitization - Skin 1B, H317	≥10-≤25%
42594-17-2	Tricyclodecane dimethanol diacrylate Sensitization - Skin 1B, H317	<i>≥</i> 5- <i>≤</i> 25%
162881-26-7	phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide Sensitization - Skin 1A, H317	<i>≥1-≤</i> 5%

<sup>·</sup> Additional information For the wording of the listed hazard phrases refer to section 16.

#### 4 First-aid measures

- Description of first aid measures
  - After inhalation Supply fresh air; consult doctor in case of complaints.

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· After skin contact

Immediately 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 a doctor.
- · Information for doctor
  - · Most important symptoms and effects, both acute and delayed No further relevant information available.
  - · Indication of any immediate medical attention and special treatment needed No further relevant information available.

#### 5 Fire-fighting measures

- Extinguishing media
  - · Suitable extinguishing agents

CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Use fire fighting measures that suit the environment.

· Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

- Advice for firefighters
  - · Protective equipment: No special measures required.
- · Additional information -

#### 6 Accidental release measures

· Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

- · Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- · Methods and material for containment and cleaning up:

Dispose of the collected material according to regulations.

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.

· Protective Action Criteria for Chemicals

· PAC-1:		
72869-86-4	7,7,9(or 7,9,9)-trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecane-1,16-diy bismethacrylate	/l 120 mg/m³
13463-67-7	titanium dioxide	30 mg/m <sup>3</sup>
2530-85-0	3-trimethoxysilylpropyl methacrylate	71 mg/m³
64-19-7	acetic acid	5 ppm
PAC-2:		
72869-86-4	7,7,9(or 7,9,9)-trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecane-1,16-diyl bismethacrylate	1,300 mg/m³
13463-67-7	titanium dioxide	330 mg/m³
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	3-trimethoxysilylpropyl methacrylate acetic acid	(Contd. of page 3) 780 mg/m <sup>3</sup> 35 ppm
· PAC-3:		
72869-86-4	7,7,9(or 7,9,9)-trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecane-1,16-diyl bismethacrylate	7,900 mg/m³
13463-67-7	titanium dioxide	2,000 mg/m³
2530-85-0	3-trimethoxysilylpropyl methacrylate	4,700 mg/m³
64-19-7	acetic acid	250 ppm

#### 7 Handling and storage

- Handling
  - 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.

- · Conditions for safe storage, including any incompatibilities
  - Storage
    - Requirements to be met by storerooms and receptacles: Protect from exposure to the light.
    - Information about storage in one common storage facility: Not required.
    - Further information about storage conditions: Protect from heat and direct sunlight.
- · Specific end use(s) No further relevant information available.

#### 8 Exposure controls/personal protection

· Control parameters

Components with limit 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.

- · Additional information: The lists that were valid during the creation were used as basis.
- · Exposure controls
  - Personal protective equipment
    - General protective and hygienic measures

Avoid contact with the eyes.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

- · Breathing equipment: Not required.
- · Protection of hands:

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 (Contd. on page 5)



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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 protection: Not absolutely necessary.

· Body protection: Light weight protective clothing

9 Physical and chemical properties
· Information on basic physical and chemical properties · General Information

Appearance: Form: Fluid · Color: Light brown Grev · Odor: Petrol-like

Not determined. · Odor threshold:

· pH-value: Not determined.

· Change in condition

· Melting point/Melting range: undetermined Boiling point/Boiling range: 140 °C (284 °F)

>100 °C (>212 °F) · Flash point:

· Flammability (solid, gaseous) Not applicable. · Decomposition temperature: Not determined.

· Ignition temperature: Product is not selfigniting.

Product does not present an explosion hazard. · Danger of explosion:

Not determined.

· Explosion limits:

Not determined. Lower: · Upper: Not determined.

· Vapor pressure: Density at 20 °C (68 °F): ca. 1 g/cm³ (ca. 8.345 lbs/gal)

Relative density Not determined. Vapor density Not determined. Not determined. · Evaporation rate

· Solubility in / Miscibility with

Not miscible or difficult to mix · Water:

· Partition coefficient (n-octanol/water): Not determined.

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	(Ce	ontd. of page 5)
Viscosity: dynamic: kinematic:	Not determined. Not determined.	
Solvent content: Water:	0.0 %	
· Solids content:	0.3 %	
· Other information	No further relevant information available.	

## 10 Stability and reactivity

- · Reactivity No further relevant information available.
- Possibility of hazardous reactions
  Photoreactive

Polymerization

- · Conditions to avoid No further relevant information available.
- Incompatible materials: No further relevant information available.
- · Hazardous decomposition products: none
- · Additional information: -

### 11 Toxicological information

· Information on toxicological effects

· Acu	te toxi	city:
· L	D/LC5	0 values that are relevant for classification:
72869-8	36-4 7, bi	7,9(or 7,9,9)-trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecane-1,16-diy smethacrylate
Oral	LD50	>5,000 mg/kg (rat) (OECD 401)
Dermal	LD50	>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)
40220-0	)8-4 (2 <sub>1</sub>	,4,6-trioxo-1,3,5-triazinane-1,3,5-triyl)triethylene triacrylate
Oral	LD50	>2,000 mg/kg (rat) (OECD 423)
42594-1	17-2 Tr	icyclodecane dimethanol diacrylate
Oral	LD0	>2,000 mg/kg (rat) (OECD 423)
Dermal	LD0	>2,000 mg/kg (rat) (OECD 402)
162881	-26-7 p	henyl 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 Oxyl	benzone
Oral	LD50	>12,800 mg/kg (rat) (OECD 401)
Dermal	LD50	>16,000 mg/kg (rabbit) (OECD 402)
	•	(Contd. on page

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- · Primary irritant effect:
   · on the eye: Strong irritant with the danger of severe eye injury.
   · Sensitization: Sensitization possible through skin contact.
   · Additional toxicological information:
- - · Carcinogenic categories

· IARC (International Agency for Research on Cancer)	
13463-67-7 titanium dioxide	2B
· NTP (National Toxicology Program)	
None of the ingredients is listed.	

· OSHA-Ca (Occupational Safety & Health Administration) None of the ingredients is listed.

· Reproductive toxicity

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

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

## 12 Ecological information

	0		

TOXICITY	
· Aquatic t	•
72869-86-4 7 L	7,7,9(or 7,9,9)-trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecane-1,16-diy 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)
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)
131-57-7 Ox	ybenzone
EC50/48h	1.87 mg/l (daphnia) (OECD 202)
LC50/96h	3.8 mg/l (fish) (OECD 203)
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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)

### · 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

biodegradability 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

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

#### 131-57-7 Oxybenzone

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

· Behavior in environmental systems:

#### · Bioaccumulative potential

#### 131-57-7 Oxybenzone

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

- · Mobility in soil No further relevant information available.
- Ecotoxical effects:
  - · Remark: Harmful to fish
- · Additional ecological information:
  - · General notes:

Harmful to aquatic organisms

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.

- · Results of PBT and vPvB assessment
  - · PBT: Not applicable.
  - · vPvB: Not applicable.
- Other adverse effects No further relevant information available.

#### 13 Disposal considerations

- · 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.

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HALAL	
UN-Number · DOT	Void
· ADR, IMDG, IATA	UN3082
UN proper shipping name	
DOT	Void
· ADR	3082 ENVIRONMENTALLY HAZARDOU 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, (2,4, trioxo-1,3,5-triazinane-1,3,5-triyl)triethyler triacrylate)
· IMDG	ENVÍROŃMENTALLY HAZARDOUS SUBSTANC, LIQUID, N.O.S. (7,7,9(or 7,9,9)-trimethyl-4,13-diox 3,14-dioxa-5,12-diazahexadecane-1,16-di bismethacrylate, (2,4,6-trioxo-1,3,5-triazinane-1,3, triyl)triethylene triacrylate), MARINE POLLUTANT
·IATA	EŃVIRONMENTALĹY HÁZARDOUS SUBSTANC LIQUID, N.O.S. (7,7,9(or 7,9,9)-trimethyl-4,13-diox 3,14-dioxa-5,12-diazahexadecane-1,16-di bismethacrylate, (2,4,6-trioxo-1,3,5-triazinane-1,3, triyl)triethylene triacrylate)
Transport hazard class(es)	
· DOT · Class	Void
· ADR	
· Class	9 (M6) Miscellaneous dangerous substances ar articles
· IMDG, IATA	<del>-</del>
Class	9 Miscellaneous dangerous substances ar
· Label	articles 9
Packing group	<u> </u>



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· ADR, IMDG, IATA	III
Environmental hazards:  · Marine pollutant:  · Special marking (ADR):  · Special marking (IATA):	Symbol (fish and tree) Symbol (fish and tree) Symbol (fish and tree)
Special precautions for user	Warning: Miscellaneous dangerous substances ar
· Hazard identification number (Keml · EMS Number: · Stowage Category	
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	<b>f</b> Not applicable.
Transport/Additional information:	-
ADR Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 r Maximum net quantity per outer packaging: 100 ml
· IMDG · Limited quantities (LQ) · Excepted quantities (EQ)	5L Code: E1 Maximum net quantity per inner packaging: 30 r Maximum net quantity per outer packaging: 100 ml
UN "Model Regulation":	UN 3082 ENVIRONMENTALLY HAZARDOU SUBSTANCE, LIQUID, N.O.S. (7,7,9(OR 7,9,9 TRIMETHYL-4,13-DIOXO-3,14-DIOXA-5,1, DIAZAHEXADECANE-1,16-DIY BISMETHACRYLATE, (2,4,6-TRIOXO-1,3, TRIAZINANE-1,3,5-TRIYL)TRIETHYLEN TRIACRYLATE),9,III

### 15 Regulatory information

· Safety, health and environmental regulations/legislation specific for the substance or mixture · Sara

· SARA Section 355 (extremely hazardous substances)

None of the ingredients is listed.

· SARA Section 313 (specific toxic chemical listings)

None of the ingredients is listed.

· Hazardous Air Pollutants

None of the ingredients is listed.

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#### · Proposition 65

#### Prop 65 - Chemicals known to cause cancer

The listing for titanium dioxide is as "airborne, unbound particles of respirable size". Titanium dioxide of this product is within the product matrix.

#### 13463-67-7 titanium dioxide

#### Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

#### · Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

#### · Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

#### · Cancerogenity categories

#### · EPA (Environmental Protection Agency)

None of the ingredients is listed.

#### · TLV (Threshold Limit Value)

13463-67-7 titanium dioxide

A4

#### · NIOSH-Ca (National Institute for Occupational Safety and Health)

13463-67-7 titanium dioxide

· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

#### 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.

Date of preparation / last revision 09/09/2025 / 1

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

DOT: US Department of Transportation

IATA: International Air Transport Association 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)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

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PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
Skin Irritation 2: Skin corrosion/irritation — Category 2
Eye Damage 1: Serious eye damage/eye irritation — Category 1
Eye Irritation 2A: Serious eye damage/eye irritation — Category 2A
Sensitization - Skin 1: Skin sensitisation — Category 1
Sensitization - Skin 1A: Skin sensitisation — Category 1A
Sensitization - Skin 1B: Skin sensitisation — Category 1B
Specific Target Organ Toxicity - Single Exposure 3: Specific target organ toxicity (single exposure) — Category 3

\* Data compared to the previous version altered.

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