

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

### 1.1. Product identifier

**SGNR-1**

CAS-Nr.: -  
EG-Nr.: -  
INDEX-Nr.: -  
REACH-Nr.: -

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses: Manufacture.  
Uses advised against: Private households (= general public).

### 1.3. Details of the supplier of the safety data sheet

#### Manufacturer

pro3dure medical GmbH  
  
Am Burgberg 13  
D 58642 Iserlohn

Telephone +49 (0)2374 920050-10  
Telefax: +49 (0)2374 920050-50

#### Supplier

pro3dure medical GmbH  
  
Am Burgberg 13  
D 58642 Iserlohn

Telephone +49 (0)2374 920050-10  
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#### Information contact

pro3dure medical GmbH

Information telephone +49 (0)2374 920050-10  
Information telefax +49 (0)2374 920050-50  
E-mail (competent person) info@pro3dure.com  
Website www.pro3dure.com

### 1.4. Emergency telephone number

This number is serviced during office hours.

Telephone +49 (0)2374 920050-10

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008:  
Skin Sens. 1/1A/1B, H317

## 2.2. Label elements

Classification according to Regulation (EC) No 1272/2008 [CLP]

Hazard pictograms



GHS07

Warning

Signal word:

Hazard statements:

H317 May cause an allergic skin reaction.

Precautionary statements:

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P272 Contaminated work clothing should not be allowed out of the workplace.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P302+352 IF ON SKIN: Wash with plenty of water.

P321 Specific treatment (see info on label).

P333+313 If skin irritation or rash occurs: Get medical advice/attention.

P362+364 Take off contaminated clothing and wash it before reuse.

P501 Dispose of contents/container according to official regulations.

Hazardous component(s) for labelling:

Diurethane dimethacrylate, isomeric mixture.

Special labelling of particular preparations:

Safety data sheet available for professional user on request.

## 2.3. Other hazards

See attached safety data sheets and/or usage instructions.

## SECTION 3: Composition / information on ingredients

### 3.1. Substances

not applicable

### 3.2. Mixtures

-

#### Composition/information on ingredients

Substance:	EC-no.:	CAS-No.:	INDEX no.:	REACH-no.:	Concentration:	Classification: EC 1272/2008 (CLP):
7,7,9(or 7,9,9)-trimethyl-4,13-dioxo-3,14-dioxo-5,12-diazahexadecane-1,16-diyl bismethacrylate	276-957-5	72869-86-4			>75	Skin Sens. 1/1A/1B, H317
Diphenyl-(2,4,6-trimethylbenzoyl)phosphine oxide	278-355-8	75980-60-8			<2	Repr. 2, H361
(+)-Camphorquinone	233-814-1	10373-78-1			<1	-
4-Dimethylamino-benzoic acid ethylester		10287-53-3			<1	-

(Full text of H- and EUH-statements: see section 16.)

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

General information: Take off immediately all contaminated clothing. When in doubt or if symptoms are observed, get medical advice. If unconscious place in recovery position and

<b>In case of inhalation:</b>	seek medical advice. Provide fresh air.
<b>Following skin contact:</b>	Wash immediately with: Water and soap
<b>After eye contact:</b>	In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.
<b>After ingestion:</b>	Never give anything by mouth to an unconscious person or a person with cramps. Call a physician immediately.

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

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#### 4.3. Indication of any immediate medical attention and special treatment needed

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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	Dry extinguishing powder Dry sand
<b>Unsuitable extinguishing media</b>	Excess water

#### 5.2. Special hazards arising from the substance or mixture

In case of fire: Wear self-contained breathing apparatus. Co-ordinate fire-fighting measures to the fire surroundings.

#### 5.3. Advice for firefighters

##### General information

In case of fire and/or explosion do not breathe fumes. Co-ordinate fire-fighting measures to the fire surroundings.

##### Special protective equipment for fire-fighters:

In case of fire: Wear self-contained breathing apparatus.

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### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

Use personal protection equipment. Remove all sources of ignition. Provide adequate ventilation.

#### 6.2. Environmental precautions

Do not allow to enter into surface water or drains.

#### 6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

#### 6.4. Reference to other sections

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### SECTION 7: Handling and storage

## 7.1. Precautions for safe handling

### Advices on safe handling

All work processes must always be designed so that the following is excluded: Inhalation All work processes must always be designed so that the following is excluded: Inhalation

### Precautions against fire and explosion:

Always close containers tightly after the removal of product. Use only in well-ventilated areas.

## 7.2. Conditions for safe storage, including any incompatibilities

### Requirements for storage rooms and vessels

Only use the material in places where open light, fire and other flammable sources can be kept away. Use only in well-ventilated areas.

### Hints on joint storage

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## 7.3. Specific end use(s)

-

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### occupational exposure limit value

Substance:	CAS-No.:	Source:	Occupational exposure limit value:[ppm]	Occupational exposure limit value:[mg/m <sup>3</sup> ]	Limitation of exposure peaks:	Remark:

#### Substance with a common (EC) occupational exposure limit value.

Substance:	CAS-No.:	Source:	Occupational exposure limit value:[ppm]	Occupational exposure limit value:[mg/m <sup>3</sup> ]	Limitation of exposure peaks:	Remark:

#### DNEL-/PNEC-values

##### DNEL value

Substance:	CAS-No.:	DNEL/DMEL
7,7,9(or 7,9,9)-trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecane-1,16-diyl bismethacrylate	72869-86-4	worker inhalative (systemic) 3,3 mg/m <sup>3</sup> worker dermal (systemic) 1,3 (mg/kg bw /24h) (Consumer) inhalative (systemic) 0,6 mg/m <sup>3</sup> (Consumer) dermal (systemic) 0,7 (mg/kg bw/24h) (Consumer) (systemic) 0,3 (mg/kg bw/24h)

##### PNEC Value

Substance:	CAS-No.:	PNEC
7,7,9(or 7,9,9)-trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecane-1,16-diyl bismethacrylate	72869-86-4	(Fresh water) 0,01 mg/l (Marine water) 0,001 mg/l (Waste water) 3,61 mg/l (Fresh water sediment) 4,56 (mg/kg Sediment) (Marine sediment) 0,46 (mg/kg Sediment) soil 0,91 (mg/kg Soil)

#### Additional information

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### 8.2. Exposure controls

#### Occupational exposure controls:

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#### General protection and hygiene measures:

When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work. Apply skin care products after work. Wash contaminated clothing prior to re-use.

**Personal protection equipment**

-

**Respiratory protection**

-

**Hand protection**

Suitable gloves type: NBR (Nitrile rubber).

**Eye/face protection**

Eye glasses with side protection

**Body protection:**

lab coat

**Environmental exposure controls**

-

**Consumer exposure controls**

-

**Exposure Scenario:**

-

## SECTION 9: Physical and chemical properties

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

**Appearance**

**Physical state:** Liquid  
**Colour:** various  
**Odour:** -  
**Odour threshold:** -

**Safety relevant basis data**

	parameter	Value	unit	Remark
<b>pH:</b>				No data available
<b>Melting point/freezing point:</b>				No data available
<b>Initial boiling point and boiling range:</b>				No data available
<b>Flash point:</b>		>150	°C	
<b>Evaporation rate:</b>				No data available
<b>Flammability (solid, gas):</b>				No data available
<b>Explosivity:</b>				No data available
<b>Upper flammability or explosive limits:</b>				No data available
<b>lower flammability or explosive limits:</b>				No data available
<b>Vapour pressure:</b>				No data available
<b>Vapour density:</b>				No data available
<b>Relative density:</b>				No data available
<b>Density:</b>		1,1	g/cm <sup>3</sup>	
<b>Soluble (g/L) in:</b>				No data available
<b>Water solubility (g/L):</b>				No data available
<b>Fat solubility (g/L):</b>				No data available
<b>Partition coefficient: n-octanol/water:</b>				No data available
<b>Ignition temperature:</b>				No data available

Decomposition temperature:

No data available

Viscosity:

ca. 700- Pa\*s  
1200

Oxidizing properties:

No data available

## 9.2. Other information

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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

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### 10.2. Chemical stability

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### 10.3. Possibility of hazardous reactions

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### 10.4. Conditions to avoid

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### 10.5. Incompatible materials

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### 10.6. Hazardous decomposition products

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## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

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M-factor:

-

Acute toxicity (dermal):

-

Acute toxicity (oral):

-

Acute toxicity (inhalative):

-

#### Acute toxicity

Substance:	CAS-No.:	Toxicological information
7,7,9(or 7,9,9)-trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecane-1,16-diyl bismethacrylate	72869-86-4	LD50 oral (rat) > 5000 mg/kg

Skin corrosion/irritation:

-

Serious eye damage/irritation:

-

Respiratory or skin sensitisation:

-

**CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

Carcinogenicity:

-

Germ cell mutagenicity:

-

Reproductive toxicity:

-

**STOT-single exposure:**

-

**STOT-repeated exposure:**

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**Aspiration hazard:**

-

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**SECTION 12: Ecological information**

**12.1. Toxicity**

none

**Ecotoxicity**

Substance:	CAS-No.:	Ecotoxicity
7,7,9(or 7,9,9)-trimethyl-4,13-dioxo-3,14-dioxo-5,12-diazahexadecane-1,16-diyl bismethacrylate	72869-86-4	> 1,2 mg/l > 0,68 mg/l

**12.2. Persistence and degradability**

-

**12.3. Bioaccumulative potential**

-

**12.4. Mobility in soil**

-

**12.5. Results of PBT and vPvB assessment**

-

**12.6. Other adverse effects**

none

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**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

**Appropriate disposal/Product:**

Dispose of waste according to applicable legislation.

**Appropriate disposal / Package**

Dispose of waste according to applicable legislation.

List of proposed waste codes / waste designations according to EWC / AVV

-  
Waste key product: -  
Waste key packaging: -

## SECTION 14: Transport information

### 14.1. UN number

UN No.: -

### 14.2. UN proper shipping name

Land transport (ADR/RID)

-  
-

Sea transport (IMDG), Air transport (ICAO-TI / IATA-DGR)

-  
-

### 14.3. Transport hazard class(es)

Hazard label(s) / Label: - Classification code: / Classification Code: -

### 14.4. Packing group

Packing group/ Packing Group: -

### 14.5. Environmental hazards

ADR/RID / IMDG / ICAO-TI / IATA-DGR:  
Marine pollutant:

Yes

No

### 14.6. Special precautions for user

Land transport (ADR/RID)

transport category: - tunnel restriction code: -  
Special provisions: - Limited quantity (LQ): -

Sea transport (IMDG)

EmS-No: -  
Special provisions: - Limited quantity (LQ): -

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Remark -

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU legislation

Information on Regulation (EC) No 166/2006 establishing a European Pollutant Release and Transfer Register:

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Regulation (EC) No. 1005/2009 on substances that lead to the depletion of the ozone layer:

-

Regulation (EC) No. 648/2004 (Detergents regulation)

-

Regulation (EC) No 850/2004 [POP-Regulation]:

-

Regulation (EU) No 649/2012 on the export and import of dangerous chemicals:

-

Use restriction according to REACH annex XVII, no.:

-

#### National regulations

Observe in addition any national regulations!

Restrictions of occupation

-

Other regulations, restrictions and prohibition regulations

-

## 15.2. Chemical Safety Assessment

For this preparation a chemical safety assessment has been carried out.

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## SECTION 16: Other information

Relevant H- and EUH-phrases (Number and full text):  
Hazard statements

Training advice

-

Recommended restrictions of use:

-

Further remarks:

-

Documentation of changes:

-

Key literature references and sources for data

-

Abbreviations and acronyms

-