

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

### 1.1. Product identifier

Name of product SOLIDCRYL AI-Komponente

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

No information available.

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

#### Manufacturer/distributor

TPH Bausysteme GmbH  
Nordportbogen 8, D-22848 Norderstedt  
Phone +49 (0)40 / 52 90 66 78-0, Fax +49 (0)40 / 52 90 66 78-78  
E-Mail [info@tph-bausysteme.com](mailto:info@tph-bausysteme.com)  
Internet [www.tph-bausysteme.com](http://www.tph-bausysteme.com)

#### Advice

E-mail (competent person):  
[sdb-info@tph-bausysteme.com](mailto:sdb-info@tph-bausysteme.com)

### 1.4. Emergency telephone number

#### Emergency advice

GIZ-Nord  
Phone +49 (0)551 / 19240

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

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

Hazard classes and Hazard categories	Hazard Statements	Classification procedure
Skin Irrit. 2	H315	
Eye Irrit. 2	H319	
Skin Sens. 1	H317	

#### ! Hazard statements for health hazards

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

#### Additional hints

The substance is classified as hazardous according to Regulation (EC) 1272/2008 [GHS].

### 2.2. Label elements

#### Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]



GHS07

#### Signal word

Warning

**! Hazard statements for health hazards**

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

**Precautionary Statements**

**Prevention**

P280	Wear protective gloves/protective clothing/eye protection/face protection.
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**! Response**

P302 + P352	IF ON SKIN: Wash with plenty of water/soap.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313	If eye irritation persists: Get medical advice/attention.

**Storage**

P410 + P412	Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
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**Disposal**

P501	Dispose of contents/container to local waste disposal company.
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**! Hazardous ingredients for labeling**

2-hydroxyethyl methacrylate, ethylene-dimethacrylate

**! Special rules for supplemental label elements for certain mixtures**

Contains methyl methacrylate, 2-hydroxyethyl methacrylate. May produce an allergic reaction.

**2.3. Other hazards**

No information available.

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

**3.1. Substances**

not applicable

**3.2. Mixtures**

**! Hazardous ingredients**

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/ GHS]
97-90-5	202-617-2	ethylene-dimethacrylate	<= 20	STOT SE 3, H335 / Skin Sens. 1, H317
868-77-9	212-782-2	2-hydroxyethyl methacrylate	50 - 100	Eye Irrit. 2, H319 / Skin Irrit. 2, H315 / Skin Sens. 1, H317

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

**General information**

Remove contaminated soaked clothing immediately.  
In the event of persistent symptoms receive medical treatment.

**In case of inhalation**

Ensure of fresh air.  
In the event of symptoms refer for medical treatment.

**In case of skin contact**

In case of contact with skin wash off with soap and water.  
Consult a doctor if skin irritation persists.

**In case of eye contact**

In case of contact with eyes rinsing with plenty of lukewarm water carefully and seek for medical treatment.

**In case of ingestion**

Do not induce vomiting.  
Call for a doctor immediately.

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

**Physician's information / possible symptoms**

Allergic symptoms

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

**Treatment (Advice to doctor)**

Treat symptoms.

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**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

**Suitable extinguishing media**

Foam  
Dry powder  
Carbon dioxide  
Water spray jet

**Unsuitable extinguishing media**

Full water jet

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

No information available.

**5.3. Advice for firefighters**

**Special protective equipment for fire-fighters**

Use breathing apparatus with independent air supply.

**Additional information**

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

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**SECTION 6: Accidental release measures**

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

**For non-emergency personnel**

Ensure adequate ventilation.  
Use personal protective clothing.  
Keep away sources of ignition.  
Use breathing apparatus if exposed to vapours/dust/aerosol.

**6.2. Environmental precautions**

Do not discharge into the drains/surface waters/groundwater.

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

Take up with absorbent material (e.g. sand, kieselguhr, acid binder, general-purpose binder, sawdust).  
After taking up the material dispose according to regulation.

### Additional Information

Informations for disposal see chapter 13.

### 6.4. Reference to other sections

No information available.

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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Advice on safe handling

Care for thoroughly room ventilation, if necessary use in well ventilated area with local exhaust ventilation at workplace.

#### General protective measures

Do not inhale vapours.

Avoid contact with eyes and skin

#### Hygiene measures

At work do not eat, drink and smoke.

Remove soaked clothing immediately.

Keep separated from food and feed.

Wash hands before breaks and after work.

#### Advice on protection against fire and explosion

No special measures necessary.

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

#### Requirements for storage rooms and vessels

Prevent penetration into the ground.

#### Advice on storage compatibility

no

#### Further information on storage conditions

Keep barrel tightly closed.

Protect from heat and direct solar radiation.

Keep container in a well-ventilated place

Storage temperature between 10°C to 30°C (=50°F to 86°F).

### 7.3. Specific end use(s)

No information available.

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## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No information available.

### 8.2. Exposure controls

#### Respiratory protection

If ventilation insufficient, wear respiratory protection.

Filter A or environment-independent breathing apparatus

**Hand protection**

Synthetic rubber gloves

**Eye protection**

tightly fitting goggles

**Other protection measures**

protective clothing

**SECTION 9: Physical and chemical properties**

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

**Appearance**

liquid

**Colour**

colourless

**Odour**

ester-like

**Odour threshold**

not determined

**Important health, safety and environmental information**

	Value	Temperature	at	Method	Remark
<b>pH value</b>	6 - 8	20 °C			
<b>Acid number</b>	not determined				
<b>boiling range</b>	> 180 °C				
<b>melting range</b>	< -30 °C				
<b>Flash point</b>	not determined				
<b>Vapourisation rate</b>	not determined				
<b>Flammable (solid)</b>	not applicable				
<b>Flammability (gas)</b>	not applicable				
<b>Ignition temperature</b>	not applicable				
<b>Self ignition temperature</b>	not applicable				
<b>Lower explosion limit</b>	not applicable				
<b>Upper explosion limit</b>	not applicable				
<b>Vapour pressure</b>	< 0,1 hPa	20 °C			
<b>Relative density</b>	ca. 1,07 g/cm <sup>3</sup>	20 °C		DIN EN ISO 3675	
<b>Bulk density</b>	not applicable				
<b>Vapour density</b>	not determined				
<b>Solubility in water</b>					soluble

	Value	Temperature	at	Method	Remark
<b>Solubility/other</b>					soluble in organic solvent
<b>Partition coefficient n-octanol/water (log P O/W)</b>	not determined				
<b>Decomposition temperature</b>	No data available				
<b>Viscosity dynamic</b>	ca. 13 mPa*s	20 °C		DIN EN ISO 2555	
<b>Solvent separation test</b>	not applicable				
<b>Solvent content</b>	0 %				
<b>Water content</b>	not determined				
<b>Solids content</b>	not applicable				
<b>Combustion value</b>	not applicable				
<b>Oxidising properties</b>	no				
<b>Explosive properties</b>	no				
<b>9.2. Other information</b>	no				

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No information available.

### 10.2. Chemical stability

No information available.

### 10.3. Possibility of hazardous reactions

No information available.

### 10.4. Conditions to avoid

No hazardous reactions known.

### 10.5. Incompatible materials

#### Substances to avoid

Reactions with reducing agents, heavy metals.

Reactions with peroxides and other radical components.

If heating up polymerisation.

## 10.6. Hazardous decomposition products

No hazardous decomposition products known.

### Thermal decomposition

Remark No decomposition if used as directed.

### Additional information

Unstable product may polymerize spontaneously.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity/Irritation/Sensitization

	Value/Validation	Species	Method	Remark
<b>LD50 acute oral</b>	> 5000 mg/kg	rat		
<b>LD50 acute dermal</b>	> 3000 mg/kg	rabbit		
<b>LC50 acute inhalation</b>	not determined			
<b>Skin irritation</b>	non-irritant	rabbit	Draize-method	
<b>Eye irritation</b>	irritant	rabbit eye	Draize-method	
<b>Skin sensitization</b>	sensitizing	Guinea pig	OECD	
<b>Sensitization respiratory system</b>	sensitizing	Guinea pig		

#### Subacute Toxicity - Carcinogenicity

	Value	Species	Method	Validation
<b>Subacute Toxicity</b>	not determined			
<b>Subchronic Toxicity</b>	not determined			
<b>Chronic Toxicity</b>	not determined			
<b>Mutagenicity</b>				No experimental information on genotoxicity in vivo available.

Value	Species	Method	Validation
<b>Reproduction-Toxicity</b>			No indications of toxic effects were observed in reproduction studies in animals.
<b>Carcinogenicity</b>			No indications of carcinogenic effects are available from long-term trials.
<b>Specific target organ toxicity (single exposure)</b> No data available			
<b>Specific target organ toxicity (repeated exposure)</b> No data available			
<b>Aspiration hazard</b> No data available			
<b>Toxicity test (Additional information)</b> no			
<b>Experiences made from practice</b> Possible sensitization in case of persons suffering from hypersensitivity. Allergic reactions possible ( analogy-reasons ). Frequent persistent contact with the skin may cause skin irritation. Irritates eyes and skin.			
<b>Additional information</b> The declarations of toxicology refer to main component.			

## SECTION 12: Ecological information

### 12.1. Toxicity

#### Ecotoxicological effects

	Value	Species	Method	Validation
<b>Fish</b>	LC50 > 100 mg/l (96 h)	Oryctolates Latipes	OECD 203	
<b>Daphnia</b>	EC50 380 mg/l (48 h)	Daphnia magna	OECD 202	
<b>Algae</b>	EC50 345 mg/l (72 h)	Selenastrum capricornutum	OECD 201	
<b>Bacteria</b>	EC50 > 3000 mg/l (16 h)	Pseudomonas fluoresc.		

### 12.2. Persistence and degradability

	Elimination rate	Method of analysis	Method	Validation
<b>Physico-chemical degradability</b>	not determined			
<b>Biological degradability</b>	84 % (28 d)		OECD 301 D	readily degradable
<b>Degradability</b>	not determined			



	Elimination rate	Method of analysis	Method	Validation
<b>Biological eliminability</b>	not determined			
<b>Degradability according to WRMG</b>	not determined			
<b>12.3. Bioaccumulative potential</b>	not determined			
<b>12.4. Mobility in soil</b>	No data available			
<b>12.5. Results of PBT and vPvB assessment</b>	No information available.			
<b>12.6. Other adverse effects</b>				
<b>Behaviour in sewage plant</b>	Obtain approval of the relevant authorities before discharging into sewage treatment plants.			

#### Respiration inhibition of activated sludge

	Value	Method	Remark
<b>EC 50</b>	not determined		

#### Additional ecological information

	Value	Method	Remark
<b>OC</b>	not determined		
<b>COD</b>	not determined		
<b>BOD</b>	not determined		
<b>AOX</b>	not applicable		

#### Contains following heavy metals and compounds of the 76/464/EWG

no

#### General regulation

Product is not allowed to be discharged into the ground water or aquatic environment.  
Product is not allowed to be discharged into aquatic environment, drains or sewage treatment plants.  
The information to ecology refers to main component.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Waste code No.

07 02 08\*

#### Name of waste

other still bottoms and reaction residues

Wastes marked with an asterisk are considered to be hazardous waste pursuant to Directive 2008/98/EC on hazardous waste.

#### Recommendations for the product

In accordance with regulations for special waste, must be taken to a special waste disposal.

#### Recommendations for packaging

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

Packaging that cannot be cleaned should be disposed of like the product.

## SECTION 14: Transport information

	ADR/RID	IMDG	IATA-DGR
14.1. UN number	-	-	-
14.2. UN proper shipping name	-	-	-
14.3. Transport hazard class(es)	-	-	-
14.4. Packing group	-	-	-
14.5. Environmental hazards	-	-	-

#### 14.6. Special precautions for user

No information available.

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

No information available.

#### Land and inland navigation transport ADR/RID

No dangerous goods as defined by these transport regulations.

#### Marine transport IMDG

No dangerous goods as defined by these transport regulations.

#### Air transport ICAO/IATA-DGR

No dangerous goods as defined by these transport regulations.

#### Transport/further information

No dangerous goods as defined by the transport regulations - ADR/RID, IMDG, ICAO/IATA-DGR.

## ! SECTION 15: Regulatory information

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

#### National regulations

#### Other regulations, restrictions and prohibition regulations

ZH 1/129 "Data Sheet: Irritating substances / corrosive substances (M 004)"

**Water hazard class** 1 Mixture-WGK

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**15.2. Chemical Safety Assessment**

No information available.

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**! SECTION 16: Other information**

**Recommended uses and restrictions**

National and local regulations concerning chemicals shall be observed.

**Further information**

The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

Indication of changes: "!" = Data changed compared with the previous version.

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