

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

1.1. Product identifier

Name of product SOLIDCRYL BI-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
Internet www.tph-bausysteme.com

Advice

E-mail (competent person):
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.

Additional hints

This mixture is classified as hazardous according to Regulation (EC) No 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.

Precautionary Statements

Prevention

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

Response

P302 + P352 IF ON SKIN: Wash with plenty of 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.
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.

Disposal

P501 Dispose of contents/container to local waste disposal company.

Hazardous ingredients for labeling

2-hydroxyethyl methacrylate

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]
868-77-9	212-782-2	2-hydroxyethyl methacrylate	25 - 50	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.

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.

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.

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.

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.

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
pH value	6 - 8	20 °C			
Acid number	not determined				
boiling range	> 180 °C				
melting range	< -30 °C				
Flash point	not determined				
Vapourisation rate	not determined				
Flammable (solid)	not applicable				
Flammability (gas)	not applicable				
Ignition temperature	not applicable				
Self ignition temperature	not applicable				
Lower explosion limit	not applicable				
Upper explosion limit	not applicable				
Vapour pressure	< 0,1 hPa	20 °C			
Relative density	ca. 1,04 g/cm ³	20 °C		DIN EN ISO 3675	
Bulk density	not applicable				
Vapour density	not determined				
Solubility in water					soluble
Solubility/other					soluble in organic solvent

	Value	Temperature	at	Method	Remark
Partition coefficient n-octanol/water (log P O/W)	not determined				
Decomposition temperature	No data available				
Viscosity dynamic	ca. 10 mPa*s	20 °C		DIN EN ISO 2555	
Solvent separation test	not applicable				
Solvent content	0 %				
Water content	not determined				
Solids content	not applicable				
Combustion value	not applicable				
Oxidising properties no					
Explosive properties no					
9.2. Other information 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
LD50 acute oral	> 5000 mg/kg	rat		
LD50 acute dermal	> 3000 mg/kg	rabbit		
LC50 acute inhalation	not determined			
Skin irritation	non-irritant	rabbit	Draize-method	
Eye irritation	irritant	rabbit eye	Draize-method	
Skin sensitization	sensitizing	Guinea pig	OECD	
Sensitization respiratory system	sensitizing	Guinea pig		

Subacute Toxicity - Carcinogenicity

	Value	Species	Method	Validation
Subacute Toxicity	not determined			
Subchronic Toxicity	not determined			
Chronic Toxicity	not determined			

Mutagenicity

No experimental information on genotoxicity in vivo available.

Reproduction-Toxicity

No indications of toxic effects were observed in reproduction studies in animals.

Value	Species	Method	Validation
Carcinogenicity			No indications of carcinogenic effects are available from long-term trials.
Specific target organ toxicity (single exposure)			
No data available			
Specific target organ toxicity (repeated exposure)			
No data available			
Aspiration hazard			
No data available			
Toxicity test (Additional information)			
no			
Experiences made from practice			
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.			
Additional information			
The declarations of toxicology refer to main component.			

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicological effects

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

12.2. Persistence and degradability

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

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

Respiration inhibition of activated sludge

	Value	Method	Remark
EC 50	not determined		

Additional ecological information

	Value	Method	Remark
OC	not determined		
COD	not determined		
BOD	not determined		
AOX	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

15.2. Chemical Safety Assessment

No information available.

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. Previous version: 2.8

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