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

1.1. Product identifier

Name of product RUBBERTITE AII-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
Acute Tox. 4	**H302**	
Acute Tox. 4	**H312**	
Skin Corr. 1B	**H314**	
Eye Dam. 1	**H318**	
Skin Sens. 1B	**H317**	

Hazard statements for health hazards

H302 + H312	**Harmful if swallowed or in contact with skin.**
H314	**Causes severe skin burns and eye damage.**
H317	**May cause an allergic skin reaction.**
H318	**Causes serious eye damage.**

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]

GHS05

GHS07

Signal word
Danger

Hazard statements for health hazards

H302 + H312	**Harmful if swallowed or in contact with skin.**
H314	**Causes severe skin burns and eye damage.**
H317	**May cause an allergic skin reaction.**

Precautionary Statements

Prevention

P260	Do not breathe dust/mist.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

Response

P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor/... .
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Disposal

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

Hazardous ingredients for labeling
2-dimethylaminoethyl methacrylate

Additional information

Remark
Nota D

2.3. Other hazards
No information available.

SECTION 3: Composition/ information on ingredients

3.1. Substances
not applicable

3.2. Mixtures
Description
Accelerator

Hazardous ingredients

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/ GHS]
2867-47-2	**220-688-8**	**2-dimethylaminoethyl methacrylate**	**50 - 100**	**Acute Tox. 4, H302 / Acute Tox. 4, H312 / Skin Corr. 1B, H314 / Skin Sens. 1B, H317 / Eye Dam. 1, H318**

REACH

CAS No	Name	REACH registration number
2867-47-2	2-dimethylaminoethyl methacrylate	01-2119474677-22-0000

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
Remove the casualty into fresh air and keep him immobile.
In the event of symptoms refer for medical treatment.

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

In case of eye contact
In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.

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
Alcohol-resistant foam
Dry powder
Carbon dioxide
Water spray jet

Unsuitable extinguishing media
Full water jet

5.2. Special hazards arising from the substance or mixture

In the event of fire the following can be released:
Nitrogen gases (NOx)
Carbon monoxide (CO)
Carbon dioxide (CO2)

5.3. Advice for firefighters

Special protective equipment for fire-fighters
Use breathing apparatus with independent air supply (isolated).

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

Pump off larger quantity.
Take up with absorbent material (e.g. sand, kieselguhr, acid binder, general-purpose binder, sawdust).
Disposal according to regulations.

Additional Information
Informations for safe handling see chapter 7.
Informations for personal protective equipment see chapter 8.
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 soiled or soaked clothing immediately.
Keep away from food and drink.
Wash hands before breaks and after work.

Advice on protection against fire and explosion
Keep away from sources of ignition - No smoking
Take precautionary measures against static discharges.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels
Keep in closed original container.
Prevent penetration into the ground.

Advice on storage compatibility
Store at a distance of water and iron.

Further information on storage conditions
Keep container tightly closed and store at cool and aired place.
Store only at temperature of 30°C maximum (=86°F).

Protect from direct solar radiation.

Information on storage stability
Storage time: 12 months.

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
Breathing apparatus in the event of high concentrations.
Short term: filter apparatus, filter A

Hand protection
Synthetic rubber gloves

Eye protection
tightly fitting goggles

Other protection measures
protective clothing

Appropriate engineering controls
no

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	**Colour**	**Odour**
liquid	colourless	similar to amine

Odour threshold
not determined

Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
pH value	8	20 °C	500 g/l		
Acid number	not applicable				
boiling temperature	ca. 187 °C		1013 hPa		
melting temperature	ca. -30 °C				
Flash point	ca. 68 °C			closed cup	
Vapourisation rate	not determined				
Flammable (solid)	not determined				

	Value	Temperature	at	Method	Remark
Flammability (gas)	not determined				
Ignition temperature	ca. 200 °C			DIN 51794	
Self ignition temperature	no				
Lower explosion limit	not determined				
Upper explosion limit	not determined				
Vapour pressure	ca. 0,58 hPa	20 °C			
Relative density	ca. 0,93 g/cm3	20 °C		DIN EN ISO 3675	
Bulk density	not applicable				
Vapour density	ca. 5,4	20 °C			
Solubility in water	106,1 g/l	25 °C			
Solubility/other	not determined				
Partition coefficient n-octanol/water (log P O/W)	1,13	25 °C		OECD 107	
Decomposition temperature	No data available				
Viscosity dynamic	ca. 3,5 mPa*s	20 °C		DIN EN ISO 2555	
Solvent separation test	not determined				
Solvent content	no				
Water content	not determined				
Solids content	not applicable				
Combustion value	not determined				

Oxidising properties
not determined

Explosive properties
not determined

9.2. Other information
in water slow hydrolyse

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
Can polymerise exothermically if heated to temperatures > 30°C, exposed to air, sunlight or by addition of free radical initiators.

10.5. Incompatible materials
Substances to avoid
Reactions with strong oxidising agents.
Reactions with reducing agents.
Reactions with peroxides and other radical components.

10.6. Hazardous decomposition products
No dangerous composition products during appropriate storage and handling.

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	> 2000 mg/kg	rat	OECD 401	
LD50 acute dermal	> 2000 mg/kg	rat	OECD 402	
LC50 acute inhalation	not determined			
Skin irritation	corrosive	rabbit	Fed. Reg. 29-FR 13009, 1964	24 h
Eye irritation	corrosive	rabbit eye	Fed. Reg. 29-FR 13009, 1964	2 h

	Value/Validation	Species	Method	Remark
Skin sensitization	Sensitisation due to skin contact cannot be ruled out.	Guinea pig	OECD 406	
Sensitization respiratory system	non-sensitizing	Guinea pig	OECD 406	

Subacute Toxicity - Carcinogenicity

	Value	Species	Method	Validation
Subacute Toxicity	NOAEL 40 - 1000 mg/kg (49 d) Sub-acute oral toxicity	rat	OECD 422	No indications of critical characteristics.
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.
Carcinogenicity	not determined			

Specific target organ toxicity (single exposure)
No indications of critical properties.

Specific target organ toxicity (repeated exposure)
No indications of critical properties.

Aspiration hazard
No indications of critical properties.

Toxicity test (Additional information)
no

Experiences made from practice
Sensitization through skin contact possible.
Allergic reactions possible (analogy-reasons).
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 19,1 mg/l (96 h)	Orycias Latipes	OECD 203	
Daphnia	EC50 33 mg/l (48 h)	Daphnia magna	OECD 202	
Algae	EC50 69,7 mg/l (72 h)	Selenastrum capricornutum	OECD 201	
Bacteria	EC10 42,7 mg/l (16 h)	Pseudomonas putida		

12.2. Persistence and degradability

	Elimination rate	Method of analysis	Method	Validation
Physico-chemical degradability	not determined			
Biological degradability	95,3 % (28 d)	DOC decrease	OECD 301E / EEC 84/ 449 C3	readily degradable
	The product is readily biodegradable to OECD criteria.			
Biological eliminability	not determined			
Degradability according to WRMG	not determined			

12.3. Bioaccumulative potential

Because of the n-octanol/water distribution coefficient (log K o/w) accumulation in organisms is possible.

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

not determined

Respiration inhibition of activated sluge

	Value	Method	Remark
EC 50	not determined		

Additional ecological information

	Value	Method	Remark
OC	not determined		
COD	not determined		

	Value	Method	Remark
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.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste code No.	**Name of waste**
07 02 08*	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
Remove in accordance with local official regulations.
Dispose of as hazardous waste.

Recommendations for packaging
Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken fot 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	2522	2522	2522
14.2. UN proper shipping name	2-DIMETHYLAMINOETHYL METHACRYLATE (2-dimethylaminoethyl methacrylate)	2-DIMETHYLAMINOETHYL METHACRYLATE (2-dimethylaminoethyl methacrylate)	2-Dimethylaminoethyl methacrylate (2-dimethylaminoethyl methacrylate)
14.3. Transport hazard class(es)	6.1	6.1	6.1
14.4. Packing group	II	II	II
14.5. Environmental hazards	No	No	No

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
Hazard label(s) 6.1
tunnel restriction code D/E
Classification code T1

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
Other regulations (EU)
Observe regulation 98/24/EC for employee health protection against the threat of chemical substances in the workplace.

National regulations

Restriction of occupation
Observe employment restrictions for young people.
Observe employment restrictions for mothers-to-be and nursing mothers.

Other regulations, restrictions and prohibition regulations
MAL-Code: 3-5 (Denmark)
MAL-kode (Denmark): 3-5 (Ready-for-use mixture)
ZH 1/129 "Data Sheet: Irritating substances / corrosive substances (M 004)"

Water hazard class	1	list substance
Decree for case of interference/remarks	Accident decree, addendum II: not named.	

15.2. Chemical Safety Assessment
Chemical safety assessments for substances in this mixture were not carried out.

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: 4.4

H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.