

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 8 Dec 2020

Print date: 1 Feb 2021

Version: 3



SOLID SEAL TX A-Komponente

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

1.1. Product identifier

Trade name/designation:

SOLID SEAL TX A-Komponente

UFI:

A9GK-MAQR-9N7V-CQVM

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

No data available

1.3. Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor):

TPH Bausysteme GmbH

Nordportbogen 8
22848 Norderstedt
Germany

Telephone: +49 40 52 90 66 78-0

Telefax: +49 40 52 90 66 78-78

E-mail: info@tph-bausysteme.com

Website: www.tph-bausysteme.com

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

1.4. Emergency telephone number

24h: GIZ-Nord +49 551 / 19240

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Hazard classes and hazard categories	Hazard statements	Classification procedure
Skin corrosion/irritation (<i>Skin Irrit. 2</i>)	H315: Causes skin irritation.	Calculation method.
Serious eye damage/eye irritation (<i>Eye Irrit. 2</i>)	H319: Causes serious eye irritation.	Calculation method.
Acute toxicity (inhalative) (<i>Acute Tox. 4</i>)	H332: Harmful if inhaled.	Calculation method.

Additional information:

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

2.2. Label elements

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

Hazard pictograms:



GHS07

Exclamation mark

Signal word: Warning

SAFETY DATA SHEET

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SOLID SEAL TX A-Komponente

Hazard components for labelling:

2,2'-iminodi(ethylamine)

hazard statements for health hazards

H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.

Supplemental hazard information

EUH208	Contains 2,2'-iminodi(ethylamine). May produce an allergic reaction.
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Precautionary statements Prevention

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash hands thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statements Response

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

2.3. Other hazards

No data available

SECTION 3: Composition / information on ingredients

3.2. Mixtures

Hazardous ingredients / Hazardous impurities / Stabilisers:

product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 1344-09-8 EC No.: 215-687-4 REACH No.: 01-2119448725-31-XXXX	Silicic acid, sodium salt Eye Dam. 1, STOT SE 3, Skin Irrit. 2 Danger H315-H318-H335	< 50 weight-%
CAS No.: 111-40-0 EC No.: 203-865-4	2,2'-iminodi(ethylamine) Acute Tox. 4, Skin Corr. 1B, Skin Sens. 1 Danger H302-H312-H314-H317	< 0.5 weight-%

Full text of H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information:

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove victim out of the danger area. Remove contaminated, saturated clothing. If unconscious but breathing normally, place in recovery position and seek medical advice. Do not leave affected person unattended.

Following inhalation:

Provide fresh air. In case of respiratory tract irritation, consult a physician. Get medical advice/attention.

In case of skin contact:

After contact with skin, wash immediately with plenty of water and soap. If skin irritation or rash occurs: Get medical advice/attention. Take off immediately all contaminated clothing.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 8 Dec 2020

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Version: 3



SOLID SEAL TX A-Komponente

After eye contact:

Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice/attention. Remove contact lenses, if present and easy to do. Continue rinsing.

Following ingestion:

Rinse mouth. Let water be drunk in little sips (dilution effect). Get medical advice/attention if you feel unwell.

Self-protection of the first aider:

Use personal protection equipment. No direct artificial respiration to be given by first aider.

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

Skin corrosion/irritation Serious eye damage/eye irritation

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

alcohol resistant foam Dry extinguishing powder Carbon dioxide (CO₂) Water spray jet

Unsuitable extinguishing media:

Full water jet

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products:

In case of fire: Gases/vapours, toxic

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

5.4. Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Personal precautions:

Remove persons to safety.

Protective equipment:

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

6.1.2. For emergency responders

Personal protection equipment:

Personal protection equipment: see section 8

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

For containment:

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

For cleaning up:

Water (with cleaning agent)

SAFETY DATA SHEET

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Version: 3



SOLID SEAL TX A-Komponente

6.4. Reference to other sections

Safe handling: see section 7 Personal protection equipment: see section 8 Disposal: see section 13

6.5. Additional information

Use appropriate container to avoid environmental contamination.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:

Wear personal protection equipment (refer to section 8).

Advices on general occupational hygiene

When using do not eat, drink or smoke. Avoid contact with eyes and skin.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:

Keep container tightly closed in a cool, well-ventilated place.

7.3. Specific end use(s)

No data available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Occupational exposure limit values

Limit value type (country of origin)	Substance name	① Long-term occupational exposure limit value ② short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
CH	2,2'-iminodi(ethylamine) CAS No.: 111-40-0 EC No.: 203-865-4	① 1 ppm (4 mg/m ³) ⑤ (kann über die Haut aufgenommen werden)
BE	2,2'-iminodi(ethylamine) CAS No.: 111-40-0 EC No.: 203-865-4	① 1 ppm (4.3 mg/m ³) ⑤ (peut être absorbé par la peau)
CZ	2,2'-iminodi(ethylamine) CAS No.: 111-40-0 EC No.: 203-865-4	① 0.932 ppm (4 mg/m ³) ② 1.864 ppm (8 mg/m ³)
PL	2,2'-iminodi(ethylamine) CAS No.: 111-40-0 EC No.: 203-865-4	① 4 mg/m ³ ② 12 mg/m ³ ⑤ (może przenikać przez skórę do organizmu)
NO	2,2'-iminodi(ethylamine) CAS No.: 111-40-0 EC No.: 203-865-4	① 1 ppm (4 mg/m ³) ⑤ (kan absorberes gjennom huden)
MY	2,2'-iminodi(ethylamine) CAS No.: 111-40-0 EC No.: 203-865-4	① 1 ppm (4.2 mg/m ³) ⑤ (resapan melalui kulit hendaklah diambil kira)
IE	2,2'-iminodi(ethylamine) CAS No.: 111-40-0 EC No.: 203-865-4	① 1 ppm (4 mg/m ³) ⑤ (may be absorbed through the skin)
HTP (FI)	2,2'-iminodi(ethylamine) CAS No.: 111-40-0 EC No.: 203-865-4	① 1 ppm (4.3 mg/m ³) ② 3 ppm (13 mg/m ³) ⑤ (kan absorberas genom huden)

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 8 Dec 2020

Print date: 1 Feb 2021

Version: 3



SOLID SEAL TX A-Komponente

Limit value type (country of origin)	Substance name	① Long-term occupational exposure limit value ② short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
LT	2,2'-iminodi(ethylamine) CAS No.: 111-40-0 EC No.: 203-865-4	① 1 ppm (4.5 mg/m ³) ② 2 ppm (10 mg/m ³) ⑤ (tikėtinas įsisavinimas per odą)
DK	2,2'-iminodi(ethylamine) CAS No.: 111-40-0 EC No.: 203-865-4	① 1 ppm (4 mg/m ³) ② 2 ppm (8 mg/m ³) ⑤ (kan optages gennem huden)
SE	2,2'-iminodi(ethylamine) CAS No.: 111-40-0 EC No.: 203-865-4	① 1 ppm (4.5 mg/m ³) ③ 2 ppm (10 mg/m ³) ⑤ (kan absorberas genom huden)
BG	2,2'-iminodi(ethylamine) CAS No.: 111-40-0 EC No.: 203-865-4	① 4 mg/m ³
HR	2,2'-iminodi(ethylamine) CAS No.: 111-40-0 EC No.: 203-865-4	① 1 ppm (4.3 mg/m ³) ⑤ (mora se uzeti u obzir prodiranje kroz kožu)
RO	2,2'-iminodi(ethylamine) CAS No.: 111-40-0 EC No.: 203-865-4	① 0.5 ppm (2 mg/m ³) ② 1 ppm (4 mg/m ³) ⑤ (e de asteptat asimilarea prin piele)
EE	2,2'-iminodi(ethylamine) CAS No.: 111-40-0 EC No.: 203-865-4	① 1 ppm (4.5 mg/m ³) ② 2 ppm (10 mg/m ³) ⑤ (naha kaudu kergesti absorbeeruvad ained)
ES	2,2'-iminodi(ethylamine) CAS No.: 111-40-0 EC No.: 203-865-4	① 1 ppm (4.3 mg/m ³) ⑤ (puede ser absorbido a través dérmica)
Alberta (CA)	2,2'-iminodi(ethylamine) CAS No.: 111-40-0 EC No.: 203-865-4	① 1 ppm (4.2 mg/m ³)
BC (CA)	2,2'-iminodi(ethylamine) CAS No.: 111-40-0 EC No.: 203-865-4	① 1 ppm ⑤ (may be absorbed through the skin)
VLA (FR)	2,2'-iminodi(ethylamine) CAS No.: 111-40-0 EC No.: 203-865-4	① 1 ppm (4 mg/m ³)
TW	2,2'-iminodi(ethylamine) CAS No.: 111-40-0 EC No.: 203-865-4	① 1 ppm (4.2 mg/m ³) ⑤ (必須預計到從皮膚吸入)
WEL (GB)	2,2'-iminodi(ethylamine) CAS No.: 111-40-0 EC No.: 203-865-4	① 1 ppm (4.3 mg/m ³) ⑤ (may be absorbed through the skin)
KR	2,2'-iminodi(ethylamine) CAS No.: 111-40-0 EC No.: 203-865-4	① 1 ppm (4 mg/m ³) ⑤ (피부를 통한 흡수를 예상해야 한다)
IS	2,2'-iminodi(ethylamine) CAS No.: 111-40-0 EC No.: 203-865-4	① 1 ppm (4.5 mg/m ³) ⑤ (efnið getur auðveldlega borist inn í líkamann gegnum húð)
HU	2,2'-iminodi(ethylamine) CAS No.: 111-40-0 EC No.: 203-865-4	① 4 mg/m ³ ② 8 mg/m ³ ⑤ (felvehető a bőrön keresztül)
CN	2,2'-iminodi(ethylamine) CAS No.: 111-40-0 EC No.: 203-865-4	① 4 mg/m ³ ⑤ (必须考虑到可能会经由皮肤吸收)

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 8 Dec 2020

Print date: 1 Feb 2021

Version: 3



SOLID SEAL TX A-Komponente

Limit value type (country of origin)	Substance name	① Long-term occupational exposure limit value ② short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
MAK (AT)	2,2'-iminodi(ethylamine) CAS No.: 111-40-0 EC No.: 203-865-4	① 1 ppm (4 mg/m ³)
GR	2,2'-iminodi(ethylamine) CAS No.: 111-40-0 EC No.: 203-865-4	① 1 ppm (4 mg/m ³) ⑤ (αναμένετε απορρόφηση από το δέρμα)
RU	2,2'-iminodi(ethylamine) CAS No.: 111-40-0 EC No.: 203-865-4	③ 0.3 mg/m ³
NIOSH (US)	2,2'-iminodi(ethylamine) CAS No.: 111-40-0 EC No.: 203-865-4	① 1 ppm (4 mg/m ³) ⑤ (may be absorbed through the skin)
ACGIH (US)	2,2'-iminodi(ethylamine) CAS No.: 111-40-0 EC No.: 203-865-4	① 1 ppm (4.2 mg/m ³) ⑤ (may be absorbed through the skin)
Québec (CA)	2,2'-iminodi(ethylamine) CAS No.: 111-40-0 EC No.: 203-865-4	① 1 ppm (4.2 mg/m ³) ⑤ (may be absorbed through the skin)

8.1.2. Biological limit values

No data available

8.1.3. DNEL-/PNEC-values

No data available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

No data available

8.2.2. Personal protection equipment

Eye/face protection:

Eye glasses with side protection DIN EN 166

Skin protection:

Tested protective gloves must be worn EN ISO 374 Suitable material: Breakthrough time: min
In the case of wanting to use the gloves again, clean them before taking off and air them well.
Breakthrough times and swelling properties of the material must be taken into consideration.

8.2.3. Environmental exposure controls

No data available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: Liquid

Colour: light brown

Odour: not determined

Safety relevant basis data

parameter		at °C	Method	Remark
pH	not determined			
Melting point	not determined			
Freezing point	not determined			
Initial boiling point and boiling range	> 103 °C			

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Revision date: 8 Dec 2020

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Version: 3



SOLID SEAL TX A-Komponente

parameter		at °C	Method	Remark
Decomposition temperature	not determined			
Flash point	not determined			
Evaporation rate	not determined			
Auto-ignition temperature	not determined			
Upper/lower flammability or explosive limits	not determined			
Vapour pressure	not determined			
Vapour density	not determined			
Density	1.41 - 1.51 g/cm ³	20 °C		
Bulk density	not determined			
Water solubility	completely miscible			
Partition coefficient: n-octanol/water	not determined			
Dynamic viscosity	not determined			
Kinematic viscosity	not determined			

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available

10.2. Chemical stability

No data available

10.3. Possibility of hazardous reactions

No data available

10.4. Conditions to avoid

No data available

10.5. Incompatible materials

No data available

10.6. Hazardous decomposition products

No data available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Substance name	Toxicological information
Silicic acid, sodium salt CAS No.: 1344-09-8 EC No.: 215-687-4	LD₅₀ oral: >2,000 mg/kg (Rat) LD₅₀ dermal: >5,000 mg/kg (Rat)
2,2'-iminodi(ethylamine) CAS No.: 111-40-0 EC No.: 203-865-4	LD₅₀ oral: 1,620 mg/kg (Rat) LD₅₀ dermal: 1,090 mg/kg (Rabbit) LC₅₀ Acute inhalation toxicity (vapour): 0.07 - 0.3 mg/l 4 h (Rat)

Acute oral toxicity:

Based on available data, the classification criteria are not met.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 8 Dec 2020

Print date: 1 Feb 2021

Version: 3



SOLID SEAL TX A-Komponente

Acute dermal toxicity:

Based on available data, the classification criteria are not met.

Acute inhalation toxicity:

ATEmix calculated: LC50/4h: 14-60 mg/l Rat

Skin corrosion/irritation:

Causes skin irritation.

Serious eye damage/irritation:

Causes serious eye irritation.

Respiratory or skin sensitisation:

Contains 2,2'-iminodi(ethylamine). May produce an allergic reaction.

Germ cell mutagenicity:

Based on available data, the classification criteria are not met.

Carcinogenicity:

Based on available data, the classification criteria are not met.

Reproductive toxicity:

Based on available data, the classification criteria are not met.

STOT-single exposure:

Based on available data, the classification criteria are not met.

STOT-repeated exposure:

Based on available data, the classification criteria are not met.

Aspiration hazard:

Based on available data, the classification criteria are not met.

Additional information:

No data available

SECTION 12: Ecological information

12.1. Toxicity

Substance name	Toxicological information
Silicic acid, sodium salt CAS No.: 1344-09-8 EC No.: 215-687-4	EC₅₀ : >100 mg/l (Algae/water plant) OECD 201 EC₅₀ : >100 mg/l (bacteria) DIN 38412 EC₅₀ : >100 mg/l (crustaceans, Daphnia magna (Big water flea)) LC₅₀ : >100 mg/l (fish)
2,2'-iminodi(ethylamine) CAS No.: 111-40-0 EC No.: 203-865-4	IC₅₀ : 187 mg/l 3 d (Algae/water plant) EC₅₀ : 32 mg/l 2 d (crustaceans, Daphnia magna (Big water flea)) EC₅₀ : 1,164 mg/l 3 d (Algae/water plant) LC₅₀ : 430 mg/l 4 d (fish) NOEC : 10 mg/l 28 d (fish) NOEC : 6 mg/l (Bacteria) 3h EC₅₀ : 32.7 mg/l (Bacteria) 3h LOEC : 10 mg/l 3 d (Algae/water plant)

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

No data available

12.4. Mobility in soil

No data available

SAFETY DATA SHEET

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Revision date: 8 Dec 2020

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Version: 3



SOLID SEAL TX A-Komponente

12.5. Results of PBT and vPvB assessment

Substance name	Results of PBT and vPvB assessment
Silicic acid, sodium salt CAS No.: 1344-09-8 EC No.: 215-687-4	—
2,2'-iminodi(ethylamine) CAS No.: 111-40-0 EC No.: 203-865-4	—

12.6. Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

Waste code product:

07 01 08 * other still bottoms and reaction residues

*: Evidence for disposal must be provided.

Waste treatment options

Appropriate disposal / Product:

Consult the appropriate local waste disposal expert about waste disposal.

SECTION 14: Transport information

No dangerous good in sense of these transport regulations.

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA- DGR)
14.1. UN-No.			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.2. UN proper shipping name			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.3. Transport hazard class(es)			
not relevant			
14.4. Packing group			
not relevant			
14.5. Environmental hazards			
not relevant			
14.6. Special precautions for user			
not relevant			

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

not relevant

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 8 Dec 2020

Print date: 1 Feb 2021

Version: 3



SOLID SEAL TX A-Komponente

SECTION 15: Regulatory information

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

15.1.1. EU legislation

No data available

15.1.2. National regulations

 [DE] National regulations

Water hazard class

WGK:

1 - schwach wassergefährdend

Other regulations, restrictions and prohibition regulations

ZH 1/129 "Merkblatt: Reizende Stoffe/Ätzende Stoffe (M 004)"

15.2. Chemical Safety Assessment

No data available

SECTION 16: Other information

16.1. Indication of changes

No data available

16.2. Abbreviations and acronyms

No data available

16.3. Key literature references and sources for data

No data available

16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

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

Hazard classes and hazard categories	Hazard statements	Classification procedure
Skin corrosion/irritation (<i>Skin Irrit. 2</i>)	H315: Causes skin irritation.	Calculation method.
Serious eye damage/eye irritation (<i>Eye Irrit. 2</i>)	H319: Causes serious eye irritation.	Calculation method.
Acute toxicity (inhalative) (<i>Acute Tox. 4</i>)	H332: Harmful if inhaled.	Calculation method.

16.5. Relevant R-, H- and EUH-phrases (Number and full text)

Hazard statements	
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.

16.6. Training advice

No data available

16.7. Additional information

No data available