

SAFETY DATA SHEET

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

Revision date: 2 Nov 2022

Print date: 2 Nov 2022

Version: 1.2



ECOCRYL E All-Komponente

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

1.1. Product identifier

Trade name/designation:

ECOCRYL E All-Komponente

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: International access phone number: +1-813-248-0585 /// United States, Canada, Puerto Rico, U.S. Virgin Islands: 1-800-255-3924 (Contract No. MIS7249185) /// Australia: 1-300-954-583 /// Brazil: 0-800-591-6042 /// China: 400-120-0751 /// India: 000-800-100-4086 /// Mexico: 800-099-0731

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

2.2. Label elements

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

According to EC directives or the corresponding national regulations the product does not have to be labelled.

Hazard statements: none

Supplemental hazard information: none

Precautionary statements: none

2.3. Other hazards

No data available

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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.: 111-42-2 EC No.: 203-868-0 Index No.: 603-071-00-1 REACH No.: 01-2119488930-28-XXXX	2,2'-iminodiethanol Acute Tox. 4 (H302), Aquatic Chronic 3 (H412), Eye Dam. 1 (H318), Repr. 2 (H361fd), STOT RE 2 (H373), Skin Irrit. 2 (H315) Danger	< 0.43 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.

Following ingestion:

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

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

No known symptoms to date.

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 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 Nitrogen oxides (NO_x)

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:

Avoid breathing dust/fume/gas/mist/vapours/spray. Remove persons to safety.

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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)

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.

Storage class (TRGS 510, Germany): 10 - Combustible liquids that cannot be assigned to any of the above storage classes

Further information on storage conditions:

Conditions to avoid: UV-radiation/sunlight Heat Frost

7.3. Specific end use(s)

No data available

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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
BE	2,2',2''-nitrilotriethanol CAS No.: 102-71-6 EC No.: 203-049-8	① 5 mg/m ³
CZ	2,2',2''-nitrilotriethanol CAS No.: 102-71-6 EC No.: 203-049-8	① 0.805 ppm (5 mg/m ³) ② 1.61 ppm (10 mg/m ³) ⑤ (může pronikat pokožkou) D, I
NO	2,2',2''-nitrilotriethanol CAS No.: 102-71-6 EC No.: 203-049-8	① 5 mg/m ³
IE	2,2',2''-nitrilotriethanol CAS No.: 102-71-6 EC No.: 203-049-8	① 5 mg/m ³
HTP (FI)	2,2',2''-nitrilotriethanol CAS No.: 102-71-6 EC No.: 203-049-8	① 5 ppm
LT	2,2',2''-nitrilotriethanol CAS No.: 102-71-6 EC No.: 203-049-8	① 5 mg/m ³ ② 10 mg/m ³ ⑤ J
CH	2,2',2''-nitrilotriethanol CAS No.: 102-71-6 EC No.: 203-049-8	① 5 mg/m ³ ② 5 mg/m ³ ⑤ (einatembare Fraktion) SSC; Tox: OAW Haut Auge; Messmeth: NIOSH
DK	2,2',2''-nitrilotriethanol CAS No.: 102-71-6 EC No.: 203-049-8	① 0.5 ppm (3.1 mg/m ³) ② 1 ppm (6.2 mg/m ³)
Alberta (CA)	2,2',2''-nitrilotriethanol CAS No.: 102-71-6 EC No.: 203-049-8	① 5 mg/m ³ ⑤ 3
ES	2,2',2''-nitrilotriethanol CAS No.: 102-71-6 EC No.: 203-049-8	① 5 mg/m ³
BC (CA)	2,2',2''-nitrilotriethanol CAS No.: 102-71-6 EC No.: 203-049-8	① 5 mg/m ³
Ontario (CA)	2,2',2''-nitrilotriethanol CAS No.: 102-71-6 EC No.: 203-049-8	① 0.5 ppm (3.1 mg/m ³)
MAK (AT)	2,2',2''-nitrilotriethanol CAS No.: 102-71-6 EC No.: 203-049-8	① 0.8 ppm (5 mg/m ³) ⑤ (einatembare Fraktion) S
IS	2,2',2''-nitrilotriethanol CAS No.: 102-71-6 EC No.: 203-049-8	① 5 mg/m ³ ⑤ 0
TRGS 900 (DE)	2,2',2''-nitrilotriethanol CAS No.: 102-71-6 EC No.: 203-049-8	① 1 mg/m ³ ② 1 mg/m ³ ⑤ (einatembare Fraktion) DFG, Y

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MY	2,2',2''-nitrilotriethanol CAS No.: 102-71-6 EC No.: 203-049-8	① 5 mg/m ³
MAK (AT)	2,2',2''-nitrilotriethanol CAS No.: 102-71-6 EC No.: 203-049-8	② 1.6 ppm (10 mg/m ³) ⑤ (einatembare Fraktion, max. 4x15 min./Schicht) S
SE	2,2',2''-nitrilotriethanol CAS No.: 102-71-6 EC No.: 203-049-8	① 0.8 ppm (5 mg/m ³) ③ 1.6 ppm (10 mg/m ³) ⑤ (kan absorberas genom huden)
MX	2,2',2''-nitrilotriethanol CAS No.: 102-71-6 EC No.: 203-049-8	① 5 mg/m ³
ACGIH (US)	2,2',2''-nitrilotriethanol CAS No.: 102-71-6 EC No.: 203-049-8	① 5 mg/m ³
Québec (CA)	2,2',2''-nitrilotriethanol CAS No.: 102-71-6 EC No.: 203-049-8	① 5 mg/m ³
BE	2,2'-iminodiethanol CAS No.: 111-42-2 EC No.: 203-868-0	① 0.2 ppm (1 mg/m ³) ⑤ (vapeur et Aérosol; peut être absorbé par la peau) D
CZ	2,2'-iminodiethanol CAS No.: 111-42-2 EC No.: 203-868-0	① 5 mg/m ³ ② 10 mg/m ³ ⑤ I
PL	2,2'-iminodiethanol CAS No.: 111-42-2 EC No.: 203-868-0	① 9 mg/m ³ ⑤ (może przenikać przez skórę do organizmu) skóra
NO	2,2'-iminodiethanol CAS No.: 111-42-2 EC No.: 203-868-0	① 3 ppm (15 mg/m ³)
MY	2,2'-iminodiethanol CAS No.: 111-42-2 EC No.: 203-868-0	① 0.46 ppm (2 mg/m ³) ⑤ (resapan melalui kulit hendaklah diambil kira)
IE	2,2'-iminodiethanol CAS No.: 111-42-2 EC No.: 203-868-0	① 0.2 ppm (1 mg/m ³) ⑤ (inhalable fraction and vapour)
HTP (FI)	2,2'-iminodiethanol CAS No.: 111-42-2 EC No.: 203-868-0	① 0.46 ppm (2 mg/m ³) ⑤ (kan absorberas genom huden) iho
LT	2,2'-iminodiethanol CAS No.: 111-42-2 EC No.: 203-868-0	① 3 ppm (15 mg/m ³) ② 6 ppm (30 mg/m ³) ⑤ (tikėtinias įsisavinimas per odą) O
DK	2,2'-iminodiethanol CAS No.: 111-42-2 EC No.: 203-868-0	① 0.46 ppm (2 mg/m ³) ② 0.92 ppm (4 mg/m ³) ⑤ (kan optages gennem huden) H
SE	2,2'-iminodiethanol CAS No.: 111-42-2 EC No.: 203-868-0	① 3 ppm (15 mg/m ³) ③ 6 ppm (30 mg/m ³) ⑤ (kan absorberas genom huden)

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MAK (AT)	2,2'-iminodiethanol CAS No.: 111-42-2 EC No.: 203-868-0	② 0.92 ppm (4 mg/m ³) ⑤ (max. 4x15 min./Schicht, kann über die Haut aufgenommen werden) H, Sh
BG	2,2'-iminodiethanol CAS No.: 111-42-2 EC No.: 203-868-0	① 10 mg/m ³
HR	2,2'-iminodiethanol CAS No.: 111-42-2 EC No.: 203-868-0	① 3 ppm (15 mg/m ³) ⑤ (mora se uzeti u obzir prodiranje kroz kožu koža)
EE	2,2'-iminodiethanol CAS No.: 111-42-2 EC No.: 203-868-0	① 3 ppm (5 mg/m ³) ② 6 ppm (30 mg/m ³) ⑤ (naha kaudu kergesti absorbeeruvad ained) A
ES	2,2'-iminodiethanol CAS No.: 111-42-2 EC No.: 203-868-0	① 0.2 ppm (1 mg/m ³) ⑤ (puede ser absorbido a través dérmica, fracción inhalable y vapor) vía dérmica, f, FIV
Alberta (CA)	2,2'-iminodiethanol CAS No.: 111-42-2 EC No.: 203-868-0	① 2 mg/m ³ ⑤ (may be absorbed through the skin) 1
BC (CA)	2,2'-iminodiethanol CAS No.: 111-42-2 EC No.: 203-868-0	① 2 mg/m ³ ⑤ (may be absorbed through the skin) Skin; 2B
VLA (FR)	2,2'-iminodiethanol CAS No.: 111-42-2 EC No.: 203-868-0	① 3 ppm (15 mg/m ³)
SI	2,2'-iminodiethanol CAS No.: 111-42-2 EC No.: 203-868-0	① 0.11 ppm (0.5 mg/m ³) ② 0.11 ppm (0.5 mg/m ³) ⑤ (računati je treba z možnostjo prodiranja skozi kožo) K, Y
TW	2,2'-iminodiethanol CAS No.: 111-42-2 EC No.: 203-868-0	① 3 ppm (13 mg/m ³)
IS	2,2'-iminodiethanol CAS No.: 111-42-2 EC No.: 203-868-0	① 0.46 ppm (2 mg/m ³) ⑤ (efnið getur auðveldlega borist inn í líkamann gegnum húð) H
RU	2,2'-iminodiethanol CAS No.: 111-42-2 EC No.: 203-868-0	③ 5 mg/m ³
GR	2,2'-iminodiethanol CAS No.: 111-42-2 EC No.: 203-868-0	① 3 ppm (15 mg/m ³)
TRGS 900 (DE)	2,2'-iminodiethanol CAS No.: 111-42-2 EC No.: 203-868-0	① 0.11 ppm (0.5 mg/m ³) ② 0.11 ppm (0.5 mg/m ³) ⑤ (Aerosol und Dampf, kann über die Haut aufgenommen werden) AGS, H, Sh, Y, 11, 6
MX	2,2'-iminodiethanol CAS No.: 111-42-2 EC No.: 203-868-0	① 2 mg/m ³ ⑤ (puede ser absorbido a través dérmica)
MAK (AT)	2,2'-iminodiethanol CAS No.: 111-42-2 EC No.: 203-868-0	① 0.46 ppm (2 mg/m ³) ⑤ (kann über die Haut aufgenommen werden) H, Sh

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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
NIOSH (US)	2,2'-iminodiethanol CAS No.: 111-42-2 EC No.: 203-868-0	① 3 ppm (15 mg/m ³)
ACGIH (US)	2,2'-iminodiethanol CAS No.: 111-42-2 EC No.: 203-868-0	① 0.2 ppm (1 mg/m ³) ⑤ (inhalable fraction and vapor, may be absorbed through the skin)
Québec (CA)	2,2'-iminodiethanol CAS No.: 111-42-2 EC No.: 203-868-0	① 3 ppm (13 mg/m ³)
CH	2,2'-iminodiethanol CAS No.: 111-42-2 EC No.: 203-868-0	① 1 mg/m ³ ② 1 mg/m ³ ⑤ (einatembare Fraktion; Dampf und Aerosol; kann über die Haut aufgenommen werden) H S SSC; Tox: Niere OAW Leber
TRGS 900 (DE)	Hydrocarbons, TRGS 900	① 0 mg/m ³ ⑤ Mass fraction (wt %): 0

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 EN 166

Skin protection:

Tested protective gloves must be worn EN ISO 374 Breakthrough times and swelling properties of the material must be taken into consideration.

Respiratory protection:

Filtering device with filter or ventilator filtering device of type: A

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: colourless

Odour: Ammonia

Safety relevant basis data

Parameter	Value	at °C	① Method ② Remark
pH	≈ 10.5	20 °C	② 50 g/L
Melting point	≈ -9 °C		

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Parameter	Value	at °C	① Method ② Remark
Freezing point	<i>not determined</i>		
Initial boiling point and boiling range	> 120 °C		
Decomposition temperature	<i>not determined</i>		
Flash point	> 150 °C		
Evaporation rate	<i>not determined</i>		
Auto-ignition temperature	<i>not determined</i>		
Upper/lower flammability or explosive limits	<i>not determined</i>		
Vapour pressure	10 - 15 hPa	20 °C	
Vapour density	<i>not determined</i>		
Density	1.12 g/cm ³	20 °C	
Relative density	<i>not determined</i>		
Bulk density	<i>not determined</i>		
Water solubility	completely miscible		
Partition coefficient: n-octanol/water	<i>not determined</i>		
Dynamic viscosity	280 mPa* s	20 °C	
Kinematic viscosity	<i>not determined</i>		

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

Acids Oxidizing agent

10.6. Hazardous decomposition products

Carbon monoxide Carbon dioxide (CO₂)

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

2,2',2''-nitrilotriethanol CAS No.: 102-71-6 EC No.: 203-049-8

LD₅₀ oral: 6,400 mg/kg (Rat)

LD₅₀ dermal: >2,000 mg/kg (Rabbit)

2,2'-iminodiethanol CAS No.: 111-42-2 EC No.: 203-868-0

LD₅₀ oral: 1,600 mg/kg (Rat)

LD₅₀ dermal: >8,200 mg/kg (Rabbit)

Acute oral toxicity:

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

Acute dermal toxicity:

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

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Acute inhalation toxicity:

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

Skin corrosion/irritation:

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

Serious eye damage/irritation:

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

Respiratory or skin sensitisation:

not sensitising. Guinea pig OECD 406

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

11.2. Information on other hazards

No data available

SECTION 12: Ecological information

12.1. Toxicity

No data available

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

No data available

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

No data available

12.6. Endocrine disrupting properties

No data available

12.7. 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 02 08 *	other still bottoms and reaction residues
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*: Evidence for disposal must be provided.

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Waste treatment options

Appropriate disposal / Product:

Consult the appropriate local waste disposal expert about waste disposal.

SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1. UN number or ID number			
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	not relevant	not relevant	not relevant
14.4. Packing group			
not relevant	not relevant	not relevant	not relevant
14.5. Environmental hazards			
not relevant	not relevant	not relevant	not relevant
14.6. Special precautions for user			
not relevant	not relevant	not relevant	not relevant

14.7. Maritime transport in bulk according to IMO instruments

No data available

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

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]

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

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

Hazard statements	
H302	Harmful if swallowed.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H361fd	Suspected of damaging fertility. Suspected of damaging the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
H412	Harmful to aquatic life with long lasting effects.

16.6. Training advice

No data available

16.7. Additional information

No data available