

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 16.08.2017

Ver.-Nr: 3

Revision: 16.08.2017

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

- **1.1 Product identifier**
- **Trade name: EasyPur Komp. C**
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture** Activator
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
I.S.T. Innovative Sewer Technologies GmbH  
Rombacher Hütte 19  
44795 Bochum  
Germany
- **Further information obtainable from:**  
Mr. Matthias Peppel +49 (0) 234-57988-27  
info@ist-web.com
- **1.4 Emergency telephone number:** +49 (0)234 57988-0 (Mo.-Fr. 8:00-16:30 Uhr)

### SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS05 corrosion

Skin Corr. 1B H314 Causes severe skin burns and eye damage.  
Eye Dam. 1 H318 Causes serious eye damage.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS05

- **Signal word** Danger
- **Hazard-determining components of labelling:**  
1,1,3,3-tetramethylguanidine  
2-(2-(Dimethylamino)ethoxy)ethanol
- **Hazard statements**  
H314 Causes severe skin burns and eye damage.
- **Precautionary statements**  
P281 Use personal protective equipment as required.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

GB

(Contd. on page 2)

# Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 16.08.2017

Ver.-Nr: 3

Revision: 16.08.2017

**Trade name: EasyPur Komp. C**

(Contd. of page 1)

## SECTION 3: Composition/information on ingredients

### 3.2 Chemical characterisation: Mixtures

· **Description:** Mixture of substances listed below with nonhazardous additions.

#### · **Dangerous components:**

CAS: 107-21-1	ethanediol	50-100%
EINECS: 203-473-3	Acute Tox. 4, H302	
CAS: 1704-62-7	2-(2-(Dimethylamino)ethoxy)ethanol	2.5-10%
EINECS: 216-940-1	Skin Corr. 1B, H314	
CAS: 80-70-6	1,1,3,3-tetramethylguanidine	2.5-10%
EINECS: 201-302-7	Flam. Liq. 3, H226; Skin Corr. 1B, H314; Acute Tox. 4, H302	

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### · **General information:**

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

· **After inhalation:** In case of unconsciousness place patient stably in side position for transportation.

· **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

#### · **After eye contact:**

Rinse opened eye for several minutes under running water. Then consult a doctor.

#### · **After swallowing:**

Call for a doctor immediately.

Drink plenty of water and provide fresh air. Call for a doctor immediately.

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

No further relevant information available.

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

No further relevant information available.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### · **Suitable extinguishing agents:**

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

### 5.2 Special hazards arising from the substance or mixture

No further relevant information available.

### 5.3 Advice for firefighters

· **Protective equipment:** No special measures required.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

### 6.2 Environmental precautions:

Prevent seepage into sewage system, workpits and cellars.

Dilute with plenty of water.

Do not allow to enter sewers/ surface or ground water.

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

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Use neutralising agent.

Dispose contaminated material as waste according to item 13.

(Contd. on page 3)

## Safety data sheet according to 1907/2006/EC, Article 31

Printing date 16.08.2017

Ver.-Nr: 3

Revision: 16.08.2017

**Trade name: EasyPur Komp. C**

(Contd. of page 2)

Ensure adequate ventilation.

**6.4 Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

### SECTION 7: Handling and storage

· **7.1 Precautions for safe handling** No special precautions are necessary if used correctly.

**Information about fire - and explosion protection:**

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

**7.2 Conditions for safe storage, including any incompatibilities****Storage:**

· **Requirements to be met by storerooms and receptacles:** No special requirements.

· **Information about storage in one common storage facility:** Not required.

**Further information about storage conditions:**

Store in dry conditions.

Keep receptacle tightly sealed.

· **7.3 Specific end use(s)** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

· **Additional information about design of technical facilities:** No further data; see item 7.

**8.1 Control parameters****Ingredients with limit values that require monitoring at the workplace:****107-21-1 ethanediol**

OES (Great Britain) Short-term value: 104\*\* mg/m<sup>3</sup>

Long-term value: 10\* 52\*\* mg/m<sup>3</sup>

\*particulate, IOELV, Sk \*\*vapour, New, IOELV, Sk

MAK (Germany) Long-term value: 26 mg/m<sup>3</sup>, 10 ppm

H, Y; DFG

· **Additional information:** The lists valid during the making were used as basis.

**8.2 Exposure controls****Personal protective equipment:****General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

· **Respiratory protection:** Not required.

· **Protection of hands:** PVC or PE gloves

**Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

**Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

(Contd. on page 4)

GB

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 16.08.2017

Ver.-Nr: 3

Revision: 16.08.2017

Trade name: **EasyPur Komp. C**

(Contd. of page 3)

· **Eye protection:**

Tightly sealed goggles

### SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**· **General Information**· **Appearance:**

· <b>Form:</b>	Fluid
· <b>Colour:</b>	Yellow
· <b>Odour:</b>	Amine-like

· **pH-value at 20 °C (68 °F):** 12.4 (9/1 Me/H<sub>2</sub>O)· **Change in condition**

· <b>Melting point/freezing point:</b>	Undetermined.
· <b>Initial boiling point and boiling range:</b>	197 °C (387 °F)

· **Flash point:** > 90 °C (> 194 °F)· **Ignition temperature:** 410 °C (770 °F)· **Auto-ignition temperature:** Product is not selfigniting.· **Explosive properties:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.· **Vapour pressure at 20 °C (68 °F):** 0.1 hPa· **Density at 20 °C (68 °F):** 1.16 g/cm<sup>3</sup>· **Solubility in / Miscibility with water:** Fully miscible.· **Viscosity:**· **Dynamic at 20 °C (68 °F):** 40 mPas· **Solvent content:**· **Organic solvents:** 0.0 %· **Solids content:** 25.0 %· **9.2 Other information** No further relevant information available.

### SECTION 10: Stability and reactivity

· **10.1 Reactivity** No further relevant information available.· **10.2 Chemical stability**· **Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

· **10.3 Possibility of hazardous reactions** No dangerous reactions known.· **10.4 Conditions to avoid** No further relevant information available.· **10.5 Incompatible materials:** No further relevant information available.· **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

### SECTION 11: Toxicological information

· **11.1 Information on toxicological effects**· **Acute toxicity** Based on available data, the classification criteria are not met.

(Contd. on page 5)

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 16.08.2017

Ver.-Nr: 3

Revision: 16.08.2017

**Trade name: EasyPur Komp. C**

(Contd. of page 4)

- **LD/LC50 values relevant for classification:**
- **107-21-1 ethanediol**
- Oral LD50 5840 mg/kg (Ratte)
- Dermal LD50 9530 mg/kg (rbt)
- **Primary irritant effect:**
- **Skin corrosion/irritation**  
Causes severe skin burns and eye damage.
- **Serious eye damage/irritation**  
Causes serious eye damage.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)**
- **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.

**SECTION 12: Ecological information**

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**  
Must not reach sewage water or drainage ditch undiluted or unneutralised.  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

**SECTION 13: Disposal considerations**

- **13.1 Waste treatment methods**
- **Recommendation**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **European waste catalogue**
- 07 02 08 other still bottoms and reaction residues
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

**SECTION 14: Transport information**

- **14.1 UN-Number**
- **ADR, IMDG, IATA** UN3267

(Contd. on page 6)

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 16.08.2017

Ver.-Nr: 3

Revision: 16.08.2017

**Trade name: EasyPur Komp. C**

(Contd. of page 5)

- **14.2 UN proper shipping name**
- **ADR** 3267 CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (1,1,3,3-tetramethylguanidine)
- **IMDG, IATA** CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (1,1,3,3-tetramethylguanidine)
- **14.3 Transport hazard class(es)**
- **ADR, IMDG, IATA**



- **Class** 8 Corrosive substances.
- **Label** 8
- **14.4 Packing group**
- **ADR, IMDG, IATA** III
- **14.5 Environmental hazards:**
- **Marine pollutant:** No
- **14.6 Special precautions for user** Warning: Corrosive substances.
- **Danger code (Kemler):** 80
- **EMS Number:** F-A,S-B
- **Segregation groups** Alkalis
- **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code** Not applicable.
- **Transport/Additional information:**

- 
- **ADR**
  - **Limited quantities (LQ)** 5L
  - **Transport category** 3
  - **Tunnel restriction code** E
  - **UN "Model Regulation":** UN3267, CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S., 8, III

### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3
- **National regulations:**
- **Additional classification according to Decree on Hazardous Materials, Annex II:**
- **Technical instructions (air):**
- **Class Share in %**
- **NK 67.0**
- **Waterhazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**
- H226 Flammable liquid and vapour.
- H302 Harmful if swallowed.
- H314 Causes severe skin burns and eye damage.

(Contd. on page 7)

## Safety data sheet according to 1907/2006/EC, Article 31

Printing date 16.08.2017

Ver.-Nr: 3

Revision: 16.08.2017

**Trade name: EasyPur Komp. C**

(Contd. of page 6)

**- Abbreviations and acronyms:**

*RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)*

*ICAO: International Civil Aviation Organisation*

*ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)*

*IMDG: International Maritime Code for Dangerous Goods*

*IATA: International Air Transport Association*

*GHS: Globally Harmonised System of Classification and Labelling of Chemicals*

*EINECS: European Inventory of Existing Commercial Chemical Substances*

*ELINCS: European List of Notified Chemical Substances*

*CAS: Chemical Abstracts Service (division of the American Chemical Society)*

*LC50: Lethal concentration, 50 percent*

*LD50: Lethal dose, 50 percent*

*PBT: Persistent, Bioaccumulative and Toxic*

*vPvB: very Persistent and very Bioaccumulative*

*Flam. Liq. 3: Flammable liquids – Category 3*

*Acute Tox. 4: Acute toxicity – Category 4*

*Skin Corr. 1B: Skin corrosion/irritation – Category 1B*

*Eye Dam. 1: Serious eye damage/eye irritation – Category 1*

**- \* Data compared to the previous version altered.**

GB