

**Safety data sheet according to Regulation (EC) No 1907/2006**

Date of revision: 16.10.2014  
Version: 4  
Date of Printing: 18.02.2015



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

**1.1 Product identifier:**

**Trade name:** EasyPUR plus – A

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

No further relevant information available

**Application of the substance / the preparation** Reaction resin

**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:**

Herr Dinklage, +49 (0)234 57988 22  
info@ist-web.com

**1.4 Emergency telephone number**

+49 (0)234 57988 0 (Mo.-Fr. 8:00-16:30)

**SECTION 2: Hazards identification**

**2.1 Classification of the substance or mixture**

**Classification according to Regulation (EC) No 1272/2008**

Skin corrosion/irritation, Hazard Category 2 (Skin Irrit. 2)

Causes skin irritation. (H315)

Serious eye damage/eye irritation, Hazard Category 2 (Eye irrit. 2)

Causes serious eye irritation. (H319)

Specific target organ toxicity - Single exposure, Hazard Category 3, Respiratory tract irritation (STOT SE 3)

May cause respiratory irritation. (H335)

**Classification according to Directive 67/548/EEC or Directive 1999/45/EC**

R36/37/38 Irritating to eyes, respiratory system and skin.

**2.2 Label elements**

**Labelling according to Regulation (EC) No 1272/2008**

The substance is classified and labelled according to the CLP regulation.

Pictogram:



Signal word:

WARNING

Contains:

Sodium silicate

Hazard statements:

H315

Causes skin irritation.

H319

Causes serious eye irritation.

H335

May cause respiratory irritation.

Precautionary statements:

P262

Do not get in eyes, on skin, or on clothing.

P264

Wash hands thoroughly after handling.

P270

Do not eat, drink or smoke when using this product.

P271

Use only outdoors or in a well-ventilated area.

P280

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

P303+P361+P353

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/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.

**2.3. Other hazards:**

No data available.

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**SECTION 3: Composition/information on ingredients****3.2 Mixtures**

Description: Mixture of substances listed below with non hazardous additions.

Substance name (registration No)	Cont. [%]	CAS No.	EC No.	Index No.	Classification			
					67/548/EEC or 1999/45/EC		EU 1272/2008	
					warning sign symbol R-phrases		Hazard class and category codes	The codes for the hazard
Silicic acid, sodium salt molar module >2,6 3,2 (01-2119448725-31- 0007)	50 - 100	1344-09-8	215-687-4	-		Xi; R36/37/38	Skin Irrit. 2	H315
							Eye Irrit. 2	H319

Complete texts of the phrases used for classification – see **article 16**.**SECTION 4: First aid measures****4.1. Description of first aid measures**General information:

In the event of accident or ailments appearing caused by the product it is necessary to protect the injured against continued exposure and immediately provide medical attention to him.

Poisoning by inhalation

The preparation does not make any hazard in normal conditions. Remove the injured to fresh air atmosphere if accidentally vapour breathed in. Administer oxygen or apply mouth-to-mouth resuscitation. Do not apply the second one, if the injured is breathing.

Skin contamination

Take contaminated clothing off. Wash the skin with plenty of water and soap. In case of contact with skin, seek medical advice immediately.

Eye contamination

Rinse eyes for 15 minutes at least with content of some bottles of sterile fluid for eye washing or plenty of clean water, holding eyelids wide open. Provide medical attention immediately. Avoid strong water stream because of risk of cornea injury.

Poisoning by swallowing

Do not induce vomiting. Seek medical advice immediately.  
The injured conscious: rinse mouths with water; do not drink water.  
The injured unconscious: do not administer orally anything

**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 specific recommendations. Treat symptomatically. For each acute case seek medical advice.

**SECTION 5: Firefighting measures****5.1 Extinguishing media**

**Suitable extinguishing agents:** Water

**5.2. Special hazards arising from the substance or mixture**

The product is not classified as combustible.

**5.3. Advice for firefighters**

No special measures required.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Wear protective clothing.

Particular danger of slipping on leaked/spilled product.

**6.2. Environmental precautions**

Dilute with plenty of water.

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

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

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**6.4 Reference to other sections**

Information for safe handling see section 7.  
Information for personal protection see section 8.  
Information for disposal see section 13.

**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:** No special measures required.

**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:****DNEL-value:**

Exposition	Value	Population	Disturbance
Long term, dermal	1.59 mg/kg bw/day	Worker	Systematic
Long term, Inhalation	5.61 mg/m <sup>3</sup>	Worker	Systematic
Long term, dermal	0.8 mg/kg bw/day	Consumer	Systematic
Long term, Inhalation	1.38 mg/m <sup>3</sup>	Consumer	Systematic
Long term, Inhalation	20 mg/kg bw/day	Consumer	Systematic

**PNEC-value:**

Fresh water: 7.5 mg/l

Sea water: 1.0 mg/l

Sludge (STP): 348 mg/l

**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:**

Protective gloves

**Material of gloves**

Chloroprene rubber, CR

Natural rubber, NR

Nitrile rubber, NBR

PVC 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.

**Eye protection:**

Tightly sealed goggles



## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Appearance	: colorless liquid
Odour	: characteristic
Odour threshold	: not determined
pH	: 12
Melting point/melting range	: not determined
Initial boiling point and boiling range	: > 100°C
Flash point	: not applicable
Evaporation rate	: not determined
Flammability (solid, gas)	: not classified as combustible
Upper/lower flammability or explosive limits	: not explosive
Vapour pressure at 20°C	: not determined
Vapour density	: not determined
Relative density at 20°C	: approx. 1.49 g/cm <sup>3</sup>
Solubility(ies)	: completely miscible with water
Partition coefficient: n-octanol/water	: not determined
Auto-ignition temperature	: not determined
Decomposition temperature	: not applicable
Viscosity at 25°C	: approx. 400 mPas
Oxidising properties	: not determined

### 9.2. Other information

No further relevant information available.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

### 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:

LD<sub>50</sub> (rat oral) > 2000 mg/kg bw

LD<sub>50</sub> (rabbit, dermal) 5000 mg/kg bw

#### corrosion / irritation:

Causes skin irritation.

#### serious damage to eyes / eye irritation:

Causes eye irritation.

#### respiratory or skin sensitisation:

Based on the analysis of the properties of components - is not considered.

#### germ cell mutagenicity:

Based on the analysis of the properties of components - is not considered.

#### carcinogenicity:

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Based on the analysis of the properties of components - is not considered.

reproductive toxicity:

Based on the analysis of the properties of components - is not considered.

aspiration hazard:

Based on the analysis of the properties of components - is not considered.

**SECTION 12: Ecological information****12.1. Toxicity**

LC50 (fish) &gt; 100mg / l

LC50 (shellfish) 378 mg / l

EC50 (Algae) &gt; 100 mg / l (OECD 201/DIN 38412)

EC50 (bacteria) &gt; 100 mg / l (DIN 38412)

EC50 (Daphnia) &gt; 100 mg / l (88/449/EWG)

**12.2. Persistence and degradability**

Penetrate the substances into the soil, so they can get into the groundwater (water solubility).

**12.3. Bioaccumulative potential**

No further relevant information available.

**12.4. Mobility in soil**

No further relevant information available.

**General notes:**

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**

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.

Must be specially treated adhering to official regulations.

**European waste  
catalogue:****Waste descriptions**

16 03 05\*

organic wastes containing dangerous substances

15 01 10\*

packaging containing residues of or contaminated by dangerous substances

**SECTION 14: Transport information****14.1. UN number**

Not applicable.

**14.2. UN proper shipping name**

Not applicable.

**14.3. Transport hazard class(es)**

Not applicable.

**14.4. Packing group**

Not applicable.

**14.5. Environmental hazards**

Not applicable.

**14.6. Special precautions for user**

Not applicable.

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

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**SECTION 15: Regulatory information**

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

**National regulations:**

**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.

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**SECTION 16: Other information**

**List of relevant R and H phrases, hazard statements**

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

R36/37/38 Irritating to eyes, respiratory system and skin.

The data sheet has been elaborated on the base of information and materials supplied by raw materials manufacturers and on the base of legal rules for this field being in force. The information contained herein is based on the present state of our best knowledge and information at issue date. No part of the sheet makes any guarantee. In every case the user is obliged to determine usefulness of this information and serviceableness of any products for his purposes.