

# SAFETY DATA SHEET

according to 1907/2006/EC, Article 3

Version no. : 2.1  
Prepared on : 30.03.2019  
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## SECTION 1: Identification of the substance/mixture and of the company/undertaking.

### 1.1 Product identifiers

**Product name** Water  
**Product Number** PSR36665 / PSR42497 / PSR49126 / PSR20710 / PSR1787 / PSR44963  
**Brand** PureSynth research chemicals  
**CAS No.** 7732-18-5

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

**Identified uses** : Solvent

### 1.3 Details of the supplier of the safety data sheet

**Company** PureSynth Research Chemicals GmbH.  
64683 Einhausen Marie-Curie-Straße. 3, Germany

### 1.4 Emergency telephone number

**Worldwide Helpline No.:** 1800-8908-260

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

### 2.2 Label elements

Not a hazardous substance or mixture.

### 2.3 Other hazards:

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## SECTION 3: Composition / information on ingredients

### 3.1 Substances

| Common names & Synonyms | Mol. formula     | CAS number |
|-------------------------|------------------|------------|
| Water                   | H <sub>2</sub> O | 7732-18-5  |

#### SECTION 4: First aid measures

##### Description of first aid measures

|                                                                                   |                                                                                                                     |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| <b>General advice</b>                                                             | Consult a physician. Show this safety data sheet to the doctor in attendance.                                       |
| <b>If inhaled</b>                                                                 | If breathed in, move person into fresh air. If not breathing, give artificial respiration.                          |
| <b>In case of skin contact</b>                                                    | Wash off with soap and plenty of water. Consult a physician.                                                        |
| <b>In case of eye contact</b>                                                     | Rinse thoroughly with plenty of water as precaution.                                                                |
| <b>If swallowed</b>                                                               | Never give anything by mouth to an unconscious person. Rinse mouth with water.                                      |
| <b>Most important symptoms and effects, both acute and delayed</b>                | The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11 |
| <b>Indication of any immediate medical attention and special treatment needed</b> | No data available                                                                                                   |

#### SECTION 5: Firefighting measures

|                                                              |                                                                          |
|--------------------------------------------------------------|--------------------------------------------------------------------------|
| <b>Extinguishing media</b>                                   | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. |
| <b>Suitable extinguishing media</b>                          |                                                                          |
| <b>Special hazards arising from the substance or mixture</b> | No data available                                                        |
| <b>Advice for firefighters</b>                               | Wear self-contained breathing apparatus for firefighting if necessary    |
| <b>Further information</b>                                   | No data available                                                        |

#### SECTION 6: Accidental release measures

|                                                                            |                                                                                                                                                                                          |
|----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Personal precautions, protective equipment and emergency procedures</b> | Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Avoid breathing dust. For personal protection see section 8. |
| <b>Environmental precautions</b>                                           | Prevent further leakage or spillage if safe to do so. Do not let product enter drains.                                                                                                   |
| <b>Methods and materials for containment and cleaning up</b>               | Wipe up with absorbent material (e.g. cloth, fleece).                                                                                                                                    |
| <b>Reference to other sections</b>                                         | For disposal see section 13.                                                                                                                                                             |

#### SECTION 7: Handling and storage

|                                                                     |                                                                                                                                                                                                                      |
|---------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Precautions for safe handling</b>                                | Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the buildup of electrostatic charge. For precautions see section 2.2. |
| <b>Conditions for safe storage, including any incompatibilities</b> | No special storage conditions required.                                                                                                                                                                              |
| <b>Specific end use(s)</b>                                          | Apart from the uses mentioned in section 1.2 no other specific uses are stipulated                                                                                                                                   |

## SECTION 8: Exposure controls / Personal protection

|                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Control parameters</b>                | Components with workplace control parameters                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Exposure controls</b>                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Appropriate engineering controls</b>  | Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Personal protective equipment:</b>    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Eye / face protection</b>             | Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).<br>Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.                                                                                     |
| <b>Skin protection</b>                   | The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it.<br>If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario. |
| <b>Body Protection</b>                   | Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Respiratory protection</b>            | Where risk assessment shows air-purifying respirators are appropriate use a full- face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).                                                                                                                                     |
| <b>Control of environmental exposure</b> | Do not let product enter drains.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

## SECTION 9: Physical and chemical properties

|                                                       |                                    |
|-------------------------------------------------------|------------------------------------|
| <b>Appearance</b>                                     | Form: Liquid                       |
|                                                       | Colour: Colorless                  |
| <b>Odour</b>                                          | No data available                  |
| <b>pH - Value</b>                                     | No data available                  |
| <b>Density</b>                                        | 1.000 g/cm <sup>3</sup> at 3,98 °C |
| <b>Boiling Point</b>                                  | 100 °C - lit.                      |
| <b>Melting Point</b>                                  | 0.0 °C                             |
| <b>Solubility in water</b>                            | No data available                  |
| <b>Flash point</b>                                    | No data available                  |
| <b>Vapour pressure</b>                                | No data available                  |
| <b>Auto -ignition temperature</b>                     | No data available                  |
| <b>Vapour density</b>                                 | No data available                  |
| <b>Flammability (solid, gas)</b>                      | No data available                  |
| <b>Evaporation rate</b>                               | No data available                  |
| <b>Partition coefficient: n- octanol / water</b>      | No data available                  |
| <b>Viscosity</b>                                      | No data available                  |
| <b>Explosive properties</b>                           | No data available                  |
| <b>Upper / lower flammability or explosive limits</b> | No data available                  |
| <b>Oxidizing properties</b>                           | No data available                  |

**Other safety information:** No data available

## SECTION 10: Stability and reactivity

|                                           |                                             |
|-------------------------------------------|---------------------------------------------|
| <b>Reactivity</b>                         | No data available                           |
| <b>Chemical stability</b>                 | Stable under recommended storage conditions |
| <b>Possibility of hazardous reactions</b> | No data available                           |
| <b>Condition to avoid</b>                 | No data available                           |
| <b>Incompatible materials</b>             | Strong oxidizing agents                     |
| <b>Hazardous decomposition products</b>   | No data available                           |

## SECTION 11: Toxicological information

|                                                           |                                                                                                                                                               |
|-----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Acute toxicity</b>                                     | LD50 Oral - Rat - > 90.000 mg/kg                                                                                                                              |
| <b>Skin corrosion/irritation</b>                          | No data available                                                                                                                                             |
| <b>Serious eye damage/eye irritation</b>                  | No data available                                                                                                                                             |
| <b>Respiratory or skin sensitization</b>                  | No data available                                                                                                                                             |
| <b>Germ cell mutagenicity</b>                             | No data available                                                                                                                                             |
| <b>Carcinogenicity</b>                                    | IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. |
| <b>Reproductive toxicity</b>                              | No data available                                                                                                                                             |
| <b>Specific target organ toxicity - single exposure</b>   | No data available                                                                                                                                             |
| <b>Specific target organ toxicity - repeated exposure</b> | No data available                                                                                                                                             |
| <b>Aspiration hazard</b>                                  | No data available                                                                                                                                             |

## Additional Information

RTECS: ZC0110000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

## SECTION 12: Ecological information

### Toxicity

Toxicity to fish No data available

Toxicity to daphnia and other aquatic invertebrates No data available

Toxicity to algae No data available

Toxicity to bacteria No data available

**Persistence and degradability** No data available

**Bioaccumulative potential** No data available

**Mobility in soil** No data available

**Results of PBT and vPvB assessment** This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

**Other adverse effects** No ecological problems are to be expected when the product is handled and used with due care and attention.

## SECTION 13: Disposal considerations

**Waste treatment methods** Offer surplus and non-recyclable solutions to a licensed disposal company. Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself.

**Contaminated packaging** Dispose of as unused product.

## SECTION 14: Transport information

|                  | UN no. | UN proper shipping name | Hazard Class(es) | Packaging group | Marine Pollutant |
|------------------|--------|-------------------------|------------------|-----------------|------------------|
| <b>ADR / RID</b> | -      | Not dangerous goods     | -                | -               | No               |
| <b>IMDG</b>      | -      | Not dangerous goods     | -                | -               | No               |
| <b>IATA</b>      | -      | Not dangerous goods     | -                | -               | No               |

## SECTION 15: Regulatory information

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

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

### Chemical safety assessment

For this product a chemical safety assessment was not carried out.

## SECTION 16: Other information

The information in this SDS is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. The user must be determined suitability of this information for his application.