



## SAMNOS ZM - 21W

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

#### Product identifier:

- Trade name: SAMNOS ZM - 21W
- Supplier: HPM Technologie GmbH  
Rudolf-Diesel-Straße 3  
72525 Münsingen  
P.O. Box 11 07  
72521 Münsingen
- Fon: +49 7381 9344-0
- Fax: +49 7381 9344-88
- Emergency telephone number: +49 7381 9344 - 33
- E-Mail: info@hpmtechnologie.de
- Internet: www.hpmtechnologie.de
- Responsible/ issuing person: Environment/ Qualitymanagement

### 2 Hazard identification:

**Hazard labelling:** not applicable

**Specific hazard notes for human and environment:** Due to the analysis of the last amended „General rating principles for formulation of the EC“ there is no labelling obligation for this substance.

**Classification system:** Due to the analysis of the last amended „General rating principles for formulation of the EC“ there is no labelling obligation for this substance.

### 3 Composition/information on ingredients:

**Chemical nature:** Formulation consisting of hydrous Polyalkylen-glykol-solution. Free of brimstone, chlorine, zinc, heavy metal etc.

### 4 First aid measures:

**General advise:** No action needed.

**after inhalation:** Breathe in fresh air, seek medical advise in case of continuing complaints.

**after contact with the skin:** wash with a lot of water and soap. Seek medical advise if skin irritation lasts.

**after eye contact:** Rinse the opened eyes out under flowing water several minutes. Seek medical advice in case of continuing complaints.

**after swallowing:** Rinse the mouth out and drink a lot of water. Seek medical advise in case of continuing complaints.

### 5 Firefighting measures:

**Suitable extinguishing media:** Product does not burn.

**Unsuitable extinguishing media:** not applicable



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**Special hazards arising from the substance, their combustion products or accruing gases:**  
Carbon dioxid (CO<sub>x</sub>)

**Further information:** fire residues and contaminated water have to be disposed of safety.

### 6 Accidental release measures:

**Personal precautions:** Avoid contact with eyes and skin. Avoid breathing mist and vapors.  
Call attention to slip hazard in case of releasing of the material.

**Environment precautions:** Do not flush into water, sewage and ground.

**Methods for cleaning up / Absorption:** Absorb with liquid-binding material, for example acid binders.

**Further information:** Information for personal protective equipment see chapter 8.

### 7 Handling and storage:

#### Handling

**Advice on safe handling:** Attend the common preventive measures when using chemicals.  
Spilled substances cause slip hazard.

**Advice on protection against fire and explosion:** No action needed.

**Storage:** Protect from frost.

**Requirements for storage areas and containers:** Attend requirements of water law. Protect from frost.

**Further information for storage:** Store cool and dry in locked barrel. Use open barrel within 24 months.

**German storage class:**

**German Working Safety act:**

### 8 Exposure controls/ personal protection:

**Further instructions for configuration technical installations:** No specifications, see chapter 7.

**Further instructions:** The at the date of preapring valid lists were were used as foundation

#### Personal protection:

**General protection and hygiene measures:** Attend usual preventive measures about using chemicals

**Respiratory protection:** No action needed while observing limit values or other job limits.

**Hand protection:** No health risks if direct contact with oil on hands.

**Eye protection:** Better use safety goggle at decanting.



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Body protection: protection clothes

### 9 Physical and chemical properties:

|                          |  |
|--------------------------|--|
| Form:                    | liquid   |
| Colour:                  | colourless   |
| Odour:                   | faintly  |
| Evaporation:             | insignificant  |
| Water solubility:        | unlimited mixable at 20°C                                      |
| Solubility:              | in highly polar solvents                                       |
| Boiling point:           | about 100°C  |
| Flash point:             | non-inflammable  |
| Vapour pressure:         | 23 hPA at 20°C   |
| Density:                 | ca. 1g/cm <sup>3</sup> at 20°C                                 |
| ph:                      | 7-9  |
| Viscosity: (kinematical) | 1,7 mm <sup>2</sup> /s (20°C)<br>1,0 mm <sup>2</sup> /s (40°C) |

### 10 Stability und reactivity:

**Terms to avoid:** No dangerous reactions known when correct storing and handling

**Materials to avoid:** strong oxidation agents. Reducing agent.

**Hazardous reactions:** No hazardous reactions known.

**Hazardous decomposition products:** Carbon monoxid and carbon dioxid. Nitric oxide /NO<sub>x</sub>.

### 11 Toxicological information:

**Acute toxicity:**

**Primary Irritation:**

**Skin:** No skin irritation



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**Eyes:** mild irritating.

**Air way:** Inhalation of smoke at a high temperature could cause air way irritation.

**Sensitisation:** No sensitizing effect known.

**Further toxicological instructions:** Due to the analysis of the General rating principles of the EC this product is not obligated to be labelled.

As we now there is no injurious to health when using correctly and in accordance with the regulations.

### 12 Ecological information:

**Mobility:** Light absorption in the ground.

**Persistence and degradability:** completely biodegradable.

**Bioaccumulation:** No bioaccumulation.

**Other deleterious effects:** Low ecotoxicity.

### 13 Disposal consideration:

**Disposal code:** 130207

**Disposal of packaging:** Disposal according to official instructions.

**Consumer:** Disposal according to official instructions.

**Notation:** Please consider further additional local or national instructions of disposal.

### 14 Transport information:

**ADR / RID**

**UN number:** not applicable

**Hazard label:** not applicable

**IMDG / IMO**

**UN number:** not applicable

**Hazard label:** not applicable



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### IATA / ICAO

UN number: not applicable

Hazard label: not applicable

Transport/ Additional information: No dangerous good due to the above-mentioned regulations.

### 15 Regulatory information:

**Labelling according to EC-instruction:** The usual preventive measures at using chemicals have to be considered. Due to EC-instruction GefStoffV this article is not obligated to be labelled.

**National instruction:**

**Classification according to German working safety act (BetrSichV):** -

**Other instructions, limitations and prohibition regulations:** This product or rather its monomeric components are listed in TSCA (USA), DSL (Kanada), EINECS (Europe), MITI or MOL (Japan), NICNAS (Australia), ECL (Korea), IECSC (China) und PICCS (Philippines).

### 16 Other information:

The information provided in this Safety Data Sheet is correct to our knowledge at the date of its revision. The information given only describes the products with regard to safety arrangements and is not to be considered as a warranty or quality specification and does not constitute a legal relation ship. The information contained in this Safety Data Sheet relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

This safety data sheet only contains security-relevant information and does not replace any product information or product specifications.