

Printing date:  
13.05.2015

Revision: 16.04.2015

**Trade name: Superfluid T**

## 1. Identification of the substance/mixture and of the company/undertaking

### 1.1 Product Identifier

- **Trade name:**

**Superfluid T**

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

- **Use of the substance/mixture:**

Superplasticizer for thermally treated concretes

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

- **Manufacturer/Supplier:**

ADING AD, Novoselski pat (1409 Str.) No. 11  
1060 Skopje, Republic of Macedonia  
++389 2 2034-800  
+389 2 2034-821, 2034-822  
+389 2 2034-850, 2034-853

### 1.4 Emergency telephone number

- **Emergency telephone number:**

+389 2 3147-635  
Toxicology Information Centre

## 2. Hazards identification

### 2.1 Classification of the substance or mixture

**In accordance with the Rulebook on Classification, Labelling and Packaging of Chemicals and Certain Products in line with UN's Globally Harmonised System of Classification and Labelling of Chemicals (Official Gazette of the Republic of Macedonia no. 145/10, 53/11 and 164/13)**

#### 2.1.1 Classification:

According to Regulation 1272/2008 (CLP)  
The product is not classified as dangerous

### 2.2 Label elements

According to Regulation 1272/2008 (CLP)

- **Hazard pictogram:** None
- **Signal word:** None
- **H- Hazard statements:** None
- **P- Precautionary statements:** None
- **Classification:** According to Directive 67/548/EEC
- **R- Risk statements:** None
- **S- Safety statements:** None

### 2.3 Other hazards PBT and vPvB results:

None

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### 3. Composition/information on ingredients

**3.1 Substances** Not applicable.

3.2 Mixtures

- **Chemical characterization: Aqueous solution of polynaphthalene sulphonate (<20%)**  
**CAS:9084-06-4, EINECS: /**

- **Dangerous components: This product does not contain any dangerous components**

CAS: /

EINECS: /

/

/

### 4. First aid measures

4.1 Description of first aid measures

- **General information:** The general hygiene measures for handling chemicals are to be adhered to when handling this material.
- **After inhalation:** Remove the person to fresh air.
- **After skin contact:** Wash thoroughly with water and soap. Remove contaminated clothing.
- **After eye contact:** Rinse out with plenty of water with the eyelid held wide open for several minutes. If symptoms persist, seek medical attention.
- **After swallowing:** Rinse mouth with plenty of water. Seek medical advice.

4.2 Information for doctor

- **Most important symptoms and effects, both acute and delayed** No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Not required.

### 5. Firefighting measures

5.1 Extinguishing media

- **Suitable extinguishing media:** Foam, water spray, carbon dioxide

5.2 Special hazards arising from the substance or mixture

- **Special hazards arising from the substance or mixture:** It may release carbon monoxide, carbon dioxide.

5.3 Advice for firefighters

- **Protective equipment:** Suitable protective equipment.

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## 6. Accidental release measures

### 6.1 Personal precautions, protective equipment

and emergency procedures

- **Personal precautions:** Ensure suitable personal protection and appropriate ventilation in the room.

### 6.2 Environmental precautions

- **Environmental precautions:** Prevent spills of the material in the environment, drains, and in surface, running and ground water.

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

- **Methods for cleaning up:** In case of spillage, collect the spill with suitable tool or absorbent material and dispose of it in specially marked containers according to local regulations.  
For small quantities: Use appropriate inert material (earth, sand) and remove the material in accordance with the prescribed rules.  
For large quantities: Pump the product with adequate appliances.

### 6.4 Reference to other sections

Consult item 8.2

## 7. Handling and storage

### 7.1 Precautions for safe handling

- **Precautions for safe handling:** Wear protective clothing and avoid contact with skin and eyes. Remove contaminated clothing.
- **Precautions against fire and explosion:** No special precautions required.

### 7.2 Conditions for safe storage, including any incompatibilities

- **Conditions for storerooms and vessels:** Store in original container protected from direct exposure to sunlight. Protect the product from freezing. Storage area should be well ventilated.

### 7.3 Specific end use(s):

None.

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## 8. Exposure controls/personal protection

### 8.1 Control parameters

- **Ingredients with limit values that require monitoring at the workplace:** No information available.
- **Additional information:** No information available.

### 8.2 Exposure controls and personal protection

- **Exposure controls** Ensure adequate air ventilation in the room.
- **Personal protective equipment**
- **Respiratory protection:** Wear appropriate respiratory protection.
- **Hand protection:** Protective rubber gloves.
- **Eye protection:** Safety glasses.
- **Skin protection:** Suitable protective clothing.

## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- **Appearance:**
  - Form:** Liquid
  - Colour:** Brown
- **Odour** Specific
- **Odour threshold:** Unspecified
- **pH value at t=20°C** 7.0 - 9.0
- **Melting point/freezing point** No information available.
- **Boiling point** No information available.
- **Flash point** No information available.
- **Evaporation rate** No information available.
- **Flammability (solid, gas)** No information available.
- **Upper/lower flammability or explosive limits** No information available.
- **Vapour pressure** No information available.
- **Vapour density** No information available.
- **Relative density** 1.15 - 1.21 g/cm<sup>3</sup>
- **Solubility** Soluble
- **Partition coefficient: n-octanol/water** No information available.
- **Auto-ignition temperature** No information available.
- **Decomposition temperature** No information available.
- **Viscosity** No information available.
- **Explosive properties** No information available.
- **Oxidising properties** No information available.

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## 10. Stability and reactivity

- |                                                 |                                                                                       |
|-------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>10.1 Reactivity</b>                          | No information available.                                                             |
| <b>10.2 Chemical stability:</b>                 | The product is stable if the guidelines for proper storage and handling are observed. |
| <b>10.3 Possibility of hazardous reactions:</b> | No information available.                                                             |
| <b>10.4 Conditions to avoid:</b>                | High temperatures (>150°C).                                                           |
| <b>10.5 Incompatible materials:</b>             | No information available.                                                             |
| <b>10.6 Hazardous decomposition products:</b>   | In high temperatures there is a risk of sulphur and carbon oxides.                    |

## 11. Toxicological information

11.1 Information on toxicological effects

- **Acute toxicity:** /
- **LD/LC50 values relevant for classification:**

Oral	/	
Dermal	/	
After inhalation	/	

- **Primary irritant effect:**
- **on the skin** May cause skin irritation.
- **on the eye** May cause eye irritation.
- **Sensitization:** May cause skin and eye sensitization.

## 12. Ecological information

- |                                                 |                                                                                              |
|-------------------------------------------------|----------------------------------------------------------------------------------------------|
| <b>12.1 Toxicity:</b>                           |                                                                                              |
| • <b>Aquatic toxicity:</b>                      | The product may be toxic to aquatic organisms.                                               |
| <b>12.2 Persistence and degradability:</b>      | The product contains biodegradable components.                                               |
| <b>12.3 Bioaccumulative potential:</b>          | No relevant information available.                                                           |
| <b>12.4 Mobility in soil:</b>                   | The product is soluble in water and may move, that is, spread away from the area of release. |
| <b>12.5 Results of PBT and vPvB assessment:</b> | No information available.                                                                    |
| <b>12.6 Other adverse effects:</b>              | No information available.                                                                    |

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## 13. Disposal considerations

### 13.1 Waste treatment methods

Product waste should be treated in accordance with the Law on Waste Management (Official Gazette of the Republic of Macedonia no. 100/2005, 2/2011, 123/2012, 147/2013), whereas used packaging should be treated in accordance with the Law on Management of Packaging and Packaging Waste (Official Gazette of the Republic of Macedonia no. 161/2001, 136/2011, 39/2012)

- **Recommendation:** Dispose of waste in accordance with local regulations.
- **Uncleaned packaging**
- **Recommendation:** Used packaging may be reused for the same product. Used packaging may not be reused for storage of drinking water and food. Waste packaging can be recycled.

## 14. Transport information

### 14.1 UN number

- ADR, RID, ADN, IATA (Not applicable).

### 14.2 UN proper shipping name

- Not subject to transportation regulations applicable to hazardous products.

### 14.3 Transport hazard class

- Not subject to transportation regulations applicable to hazardous products.

### 14.4 Packing group

- Not subject to transportation regulations applicable to hazardous products.

### 14.5 Environmental hazards

- Not subject to transportation regulations applicable to hazardous products.

### 14.6 Special precautions for user

- Not subject to transportation regulations applicable to hazardous products.

### 14.7 Transport in bulk

- Not subject to transportation regulations applicable to hazardous products.

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## 15. Regulatory information

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

Law on Health and Safety at Work (Official Gazette of the Republic of Macedonia no. 92/2007, 137/2013, 164/2013, 158/2014); Law on Chemicals (Official Gazette of the Republic of Macedonia no. 145/2010, 53/2011, 164/2013); Law on Environment (Official Gazette of the Republic of Macedonia no. 53/2005, 24/2007, 93/2013). Rulebook amending the Rulebook on the Form and Contents of the Application Form for Obtaining Permit for Import, Export and Transport of Toxic Chemicals and Their Precursors for Purposes Not Prohibited (Official Gazette of the Republic of Macedonia no. 291/2014); Rulebook on Specific Requirements for the Legal Persons Trading in Dangerous Chemicals (Official Gazette of the Republic of Macedonia no. 132/2008); Rulebook on Labelling and Packaging of Dangerous Chemicals (Official Gazette of the Republic of Macedonia no. 85/2009); Rulebook on Hazardous Substances, Threshold Limit Values of Hazardous Substances and Criteria or Properties for Classifying Substances as Hazardous (Official Gazette of the Republic of Macedonia no. 25/2010); List of Prohibitions and Restrictions in the Use of Chemicals (Official Gazette of the Republic of Macedonia no. 57/2011); Rulebook on Chemical Safety Assessment and Contents of the Chemical Safety Report (Official Gazette of the Republic of Macedonia no. 82/2011); List of Polluting Materials and Substances (Official Gazette of the Republic of Macedonia no. 122/2011); Law on Chemicals (Official Gazette of the Republic of Macedonia no. 31/2014); Rulebook amending the Rulebook on the Form and Contents of the Application Form for Obtaining Permit for Import, Export and Transport of Toxic Chemicals and Their Precursors for Purposes Not Prohibited (Official Gazette of the Republic of Macedonia no. 192/2014).

- This product is not classified and labelled as hazardous according to the Globally Harmonized System (GHS).

### 15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture.

## 16. Other information

Reason for issue: New format

This Safety Data Sheet summarises to the best of our knowledge the health and safety hazard information on the product. Each user should read this Safety Data Sheet and consider the information in the context of how the product should be handled and used, as well as how it should be stored, transported and disposed of. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company. This information relates only to the specific product and may not be valid if the product is used in combination with any other material. All the information contained in this Safety Data Sheet is true and up-to-date.

### Relevant labels

**H – statements**

/

**P – statements**

/

**R – statements**

/

**S – statements**

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