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## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product identifier

Product name: DP-SUSPENSION P/M  
Cat. No. 40600227, 40600228, 40600229, 40600247, 40600248, 40600249, 40600250, 40600251, 40600252, 40600253, 40600254, 40600255, 40600256, 40600297, 40600339, 40600340, 40600341, 40600342, 40600343, 40600344, 40600345, 40600346, 40600353, 40600354, 40600355, 40600356, 40600357, 40600358, 40600359, 40600360, 40600361, 40600362, 40600363, 40600364.

Container size: 125 ml; 500 ml; 2,5 l; 5 l

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

Application: For grinding and polishing of materialographic specimens.

Uses advised against: No specific uses advised against are identified.

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

Supplier: Struers ApS  
Pederstrupvej 84  
DK-2750 Ballerup  
Tel:+45 44 600 800

Responsible for safety data sheet authoring: Responsible for safety data sheet authoring: DHI  
Any questions to the contents of this safety data sheet should be sent to: struers@struers.dk

### 1.4. Emergency telephone number

NHS: 111  
  
+45 44 600 800  
(Only during office hours)

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

CLP: The product is not classified.

### 2.2. Label elements

The substance/mixture does not meet the criteria for classification, but the following labelling must be applied:

Contains Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.  
Safety data sheet available on request.

### 2.3. Other hazards

May cause minor irritation on skin contact.

PBT/vPvB: No information available.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

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## 3.2. Mixtures

The product contains: water and additives.

CLP:

| <u>%:</u> | <u>CAS-No.:</u> | <u>EC No.:</u> | <u>REACH Reg. No:</u> | <u>Chemical name:</u>   | <u>Hazard classification:</u>  | <u>Notes:</u> |
|-----------|-----------------|----------------|-----------------------|---|--|---------------|
| <0.0015   | 55965-84-9      | 611-341-5      | -                     | Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | Acute Tox. 2;H310<br>Acute Tox. 2;H330<br>Acute Tox. 3;H301<br>Skin Corr. 1C;H314<br>Eye Dam. 1;H318<br>Skin Sens. 1A;H317<br>Aquatic Acute 1;H400<br>Aquatic Chronic 1;H410 |               |

References: The full text for all hazard statements is displayed in section 16.

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

|                      |   |
|----------------------|---|
| <u>Inhalation:</u>   | Move into fresh air and keep at rest.   |
| <u>Skin contact:</u> | Remove contaminated clothes and rinse skin thoroughly with water. In case of eczema or other skin disorders: Seek medical attention and bring these instructions.                                     |
| <u>Eye contact:</u>  | Immediately flush with plenty of water for at least 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Seek medical attention and bring along these instructions. |
| <u>Ingestion:</u>    | Immediately rinse mouth and drink plenty of water. Keep person under observation. If person becomes uncomfortable take to hospital along with these instructions.                                     |

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

Symptoms/effects: See section 11 for more detailed information on health effects and symptoms.

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

Medical attention/treatments: Treat symptomatically.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing media

Extinguishing media: Use fire-extinguishing media appropriate for surrounding materials.

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

Specific hazards: In case of fire, toxic gases may be formed.

### 5.3. Advice for firefighters

Protective equipment for fire-fighters: Selection of respiratory protection for fire fighting: follow the general fire precautions indicated in the workplace.

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

For non-emergency personnel: Avoid contact with skin and eyes. For personal protection, see section 8.

For emergency responders: No specific recommendations. For personal protection, see section 8.

### **6.2. Environmental precautions**

Environmental precautions: No specific precautions.

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

Methods for cleaning up: Dam and absorb spillage with sand, sawdust or other absorbent.

### **6.4. Reference to other sections**

References: For personal protection, see section 8. For waste disposal, see section 13.

## SECTION 7: HANDLING AND STORAGE

### **7.1. Precautions for safe handling**

Safe handling advice: Avoid contact with skin and eyes. Observe good chemical hygiene practices.

Technical measures: Work practice should minimise contact.

Technical precautions: Local exhaust is recommended.

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

Technical measures for safe storage: No special precautions.

Storage conditions: Store in tightly closed original container. Store at room temperature.

### **7.3. Specific end use(s)**

Specific use(s): No information available.

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### **8.1. Control parameters**

No occupational exposure limit assigned.

### **8.2. Exposure controls**

Engineering measures: Local exhaust is recommended.

Personal protection: Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

Respiratory equipment: In case of inadequate ventilation use suitable respirator. It is recommended to use respiratory equipment with combination filter, type A2/P3.

Hand protection: Risk of contact: Wear protective gloves. Nitrile gloves are recommended. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.  
Breakthrough time: >480 min

Eye protection: Risk of splashes: Wear goggles/face shield.

Skin protection: No special precautions.

Environmental Exposure Controls: Not available.

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

|   |  |
|---|--|
| <u>Form:</u>                                    | liquid   |
| <u>Colour:</u>                                  | White. / Black.  |
| <u>Odour:</u>                                   | Odourless.   |
| <u>Odour threshold:</u>                         | Not available.   |
| <u>pH:</u>                                      | 7,0 - 7,5  |
| <u>Melting point:</u>                           | Not available.   |
| <u>Boiling point:</u>                           | 100°C  |
| <u>Flash point:</u>                             | >100°C   |
| <u>Evaporation rate:</u>                        | Not available.   |
| <u>Flammability (solid, gas):</u>               | Not available.   |
| <u>Explosive limits</u>                         | Not available.   |
| <u>Vapour pressure:</u>                         | Not available.   |
| <u>Vapour density:</u>                          | Not available.   |
| <u>Relative density:</u>                        | 1,0  |
| <u>Solubility:</u>                              | Soluble in: solvents and water                           |
| <u>Partition coefficient (n-octanol/water):</u> | Not available.   |
| <u>Auto-ignition temperature (°C):</u>          | Not available.   |
| <u>Decomposition temperature (°C):</u>          | Not available.   |
| <u>Viscosity:</u>                               | Not available.   |
| <u>Explosive properties:</u>                    | Not available.   |
| <u>Oxidising properties:</u>                    | Not available.   |
| <b><u>9.2. Other information</u></b>            |  |
| <u>Other data:</u>                              | Volatile Organic Compound (VOC): 50 g/l (calculated) (*) |

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## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

Reactivity: No data available.

### 10.2. Chemical stability

Stability: Stable under normal temperature conditions.

### 10.3. Possibility of hazardous reactions

Hazardous Reactions: None under normal conditions.

### 10.4. Conditions to avoid

Conditions/materials to avoid: None specific.

### 10.5. Incompatible materials

Incompatible materials: No information available.

### 10.6. Hazardous decomposition products

Hazardous decomposition products: None in particular.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

Acute Toxicity (Oral): Based on available data, the classification criteria are not met.

Acute Toxicity (Dermal): Based on available data, the classification criteria are not met.

Acute Toxicity (Inhalation): Based on available data, the classification criteria are not met.

Skin Corrosion/Irritation: Based on available data, the classification criteria are not met.

Serious eye damage/irritation: Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.

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.

Inhalation: Not relevant at normal room temperatures.

Skin contact: Prolonged contact may cause redness and irritation.

Eye contact: Splashes may irritate.

Ingestion: No harmful effects expected in amounts likely to be ingested by accident.

Specific effects: No information available.

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## SECTION 12: ECOLOGICAL INFORMATION

### **12.1. Toxicity**

Ecotoxicity: The product is not expected to be hazardous to the environment.

### **12.2. Persistence and degradability**

Degradability: The product is easily biodegradable.

### **12.3. Bioaccumulative potential**

Bioaccumulative potential: No data available on bioaccumulation.

### **12.4. Mobility in soil**

Mobility: No data available.

### **12.5. Results of PBT and vPvB assessment**

PBT/vPvB: No information available.

### **12.6. Other adverse effects**

Other adverse effects: No information available.

## SECTION 13: DISPOSAL CONSIDERATIONS

### **13.1. Waste treatment methods**

Waste from residues: Dispose of waste and residues in accordance with local authority requirements.  
EWC-code: 16 05 09

Contaminated packaging: Dispose of waste and residues in accordance with local authority requirements.

## SECTION 14: TRANSPORT INFORMATION

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

### **14.1. UN number**

UN-No: -

### **14.2. UN proper shipping name**

Proper Shipping Name: -

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

Class: -

### **14.4. Packing group**

PG: -

### **14.5. Environmental hazards**

Marine pollutant: -

Environmentally Hazardous substance: -

### **14.6. Special precautions for user**

Special precautions: None known.

### **14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code**

Transport in bulk: Not relevant.

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## SECTION 15: REGULATORY INFORMATION

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

National regulation: Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, with amendments.

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

The List of Wastes (England) (Amendment) Regulations 2005. (SI 2005 No. 895).

### **15.2. Chemical Safety Assessment**

CSA status: No chemical safety assessment has been carried out.

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## SECTION 16: OTHER INFORMATION

The user must be instructed in the proper work procedure and be familiar with the contents of these instructions.

The following sections contain revisions or new statements: 9.  
The (\*) indicates the changes made with respect to the previous version.

Approved by DHI.

Allan Vorup

Abbreviations and acronyms used in the safety data sheet: PBT = Persistent, Bioaccumulative and Toxic.  
vPvB = very Persistent and very Bioaccumulative.

Additional information: Classification according to Regulation (EC) No. 1272/2008:  
Calculation method.

### Wording of H-statements:

|      |   |
|------|---|
| H301 | Toxic if swallowed.                                   |
| H310 | Fatal in contact with skin.                           |
| H314 | Causes severe skin burns and eye damage.              |
| H317 | May cause an allergic skin reaction.                  |
| H318 | Causes serious eye damage.                            |
| H330 | Fatal if inhaled.                                     |
| H400 | Very toxic to aquatic life.                           |
| H410 | Very toxic to aquatic life with long lasting effects. |

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The information on this data sheet represents our current data and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified on the packaging and/or in the technical guidance literature. Any other use of the product which involves using the product in combination with any other product or any other process is the responsibility of the user.

Made by DHI - Environment and Toxicology, Agern Allé 5, DK-2970 Hørsholm, Denmark.  
[www.dhigroup.com](http://www.dhigroup.com).