

|                        |                   |                      |             |
|------------------------|-------------------|----------------------|-------------|
| <b>Product name</b>    | Mowilith DM 777/1 |                      | EUIS/EN     |
| <b>MSDS number</b>     | 85166             | <b>Revision Date</b> | Sep.21.2010 |
| <b>Revision Number</b> | 1.01              | <b>Issuing date</b>  | Sep.21.2010 |

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

**Product name**  
**Mowilith DM 777/1**

**End use:**  
For industrial use only

**Manufacturer, importer, supplier**  
Celanese Emulsions GmbH  
Frankfurter Straße 111  
D-61476 Kronberg/Ts.  
Germany

**Product Information**  
PS-Emulsions@celanese.de

**Emergency telephone number**  
+49 (0)69-305 6418

## 2. Hazards identification

**Statements of hazard**

The product does not require a hazard warning label in accordance with EC Directives.

Frequent contact can lead to skin and eye irritation, especially if product is allowed to dry out  
Observe the usual precautions when handling chemicals.

## 3. Composition/information on ingredients

**Chemical characterization**      Water-borne polymer emulsion. Basis: (Meth)acrylic acid ester plasticizer-free

## 4. First aid measures

|                 |                   |               |             |
|-----------------|-------------------|---------------|-------------|
| Product name    | Mowilith DM 777/1 |               | EUIS/EN     |
| MSDS number     | 85166             | Revision Date | Sep.21.2010 |
| Revision Number | 1.01              | Issuing date  | Sep.21.2010 |

## **4. First aid measures**

|                            |   |
|----------------------------|---|
| <b>General Information</b> | Remove contaminated, soaked clothing immediately and dispose of safely.   |
| <b>Inhalation</b>          | Move to fresh air. If symptoms persist, call a physician.   |
| <b>Skin</b>                | Wash off with soap and water. If symptoms persist, call a physician.  |
| <b>Eyes</b>                | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician immediately.  |
| <b>Ingestion</b>           | If swallowed, seek medical advice immediately and show this container or label. If conscious, drink plenty of water. Do not induce vomiting without medical advice. |

### **Notes to physician**

|                      |                        |
|----------------------|------------------------|
| <b>Main symptoms</b> | None known.            |
| <b>Treatment</b>     | Treat symptomatically. |

## **5. Firefighting measures**

### **Suitable extinguishing media**

foam. dry powder. carbon dioxide (CO<sub>2</sub>). water spray.

### **Extinguishing media which must not be used for safety reasons**

Do not use a solid water stream as it may scatter and spread fire.

### **Special exposure hazards arising from the substance or preparation itself, its combustion products, or released gases**

Under conditions giving incomplete combustion, hazardous gases produced may consist of carbon monoxide  
carbon dioxide (CO<sub>2</sub>)  
Combustion gases of organic materials must in principle be graded as inhalation poisons

### **Special protective equipment for fire-fighters**

Wear self contained breathing apparatus for fire fighting if necessary.

### **Environmental precautions**

Dike and collect water used to fight fire.

### **Other Information**

This is a water-based product and presents no particular fire or explosion hazard.

## **6. Accidental release measures**

### **Personal precautions**

Contaminated surfaces will be extremely slippery. Avoid contact with the skin and the eyes.

### **Environmental precautions**

Do not allow material to contaminate ground water system. Do not flush into surface water or sanitary sewer system.

### **Methods for cleaning Up**

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal. Contaminated equipment (brushes, rags) must be cleaned immediately with water. Dispose of in accordance with local regulations.

---

|                        |                   |                      |             |
|------------------------|-------------------|----------------------|-------------|
| <b>Product name</b>    | Mowilith DM 777/1 |                      | EUIS/EN     |
| <b>MSDS number</b>     | 85166             | <b>Revision Date</b> | Sep.21.2010 |
| <b>Revision Number</b> | 1.01              | <b>Issuing date</b>  | Sep.21.2010 |

---

## 7. Handling and storage

### Handling

#### Hygiene measures

Wash hands before breaks and at the end of workday. When using, do not eat, drink or smoke. Take off all contaminated clothing immediately. Wash contaminated clothing before re-use.

#### Advice on safe handling

Product may contain hazardous volatile ingredients which could accumulate in the unvented headspace of drums or containers. Open containers in ventilated area. Do not breathe vapor.

#### Incompatible products

No special restrictions on storage with other products.

#### Protection - fire and explosion:

No special protective measures against fire required.

### Storage

#### Material storage

Protect from frost. To maintain product quality, do not store in heat or direct sunlight. Keep at temperatures between 5 and 35 °C (40 and 95 F).

#### Incompatible products

No special restrictions on storage with other products

#### Technical measures/Storage conditions

Keep tightly closed in a dry and cool place. No special technical protective measures required.

#### German storage class

12: Non-combustible liquids.

## 8. Exposure controls / personal protection

### National occupational exposure limits

No exposure limits established.

#### Exposure controls

Exposure controls

#### Engineering measures

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

#### Personal protective equipment

#### General advice

Avoid contact with skin and eyes.

|                 |                   |               |             |
|-----------------|-------------------|---------------|-------------|
| Product name    | Mowilith DM 777/1 |               | EUIS/EN     |
| MSDS number     | 85166             | Revision Date | Sep.21.2010 |
| Revision Number | 1.01              | Issuing date  | Sep.21.2010 |

|                               |   |
|-------------------------------|---|
| <b>Hygiene measures</b>       | Wash hands before breaks and at the end of workday. When using, do not eat, drink or smoke. Take off all contaminated clothing immediately. Wash contaminated clothing before re-use.   |
| <b>Eye protection</b>         | safety glasses.   |
| <b>Hand protection</b>        | Chemicals resistant gloves  |
| <b>Suitable material Type</b> | rubber gloves<br>These types of protective gloves are offered by various manufacturers. Please note the manufacturers' detailed statements, especially about the minimum thickness and the minimum breakthrough time. Consider also the particular working conditions under which the gloves are being used |

## 9. Physical and chemical properties

### Appearance

|        |                       |
|--------|-----------------------|
| Form   | liquid                |
| Colour | white                 |
| Odor   | slightly ammonia-like |

|        |           |
|--------|-----------|
| pH     | 7.0 - 7.5 |
| Method | ISO 976   |

|           |  |
|-----------|--|
| Viscosity | 50 - 300 mPa*s @ 25°C                  |
| Method    | Brookfield Visc. RVT Sp. 1 / 20 r.p.m. |

|                  |               |
|------------------|---------------|
| Vapor pressure   | 24 hPa @ 20°C |
| Water solubility | miscible      |

## 10. Stability and reactivity

|   |   |
|---|---|
| <b>Reactivity</b>                         | Stable under recommended storage conditions         |
| <b>Chemical Stability</b>                 | No decomposition if stored and applied as directed. |
| <b>Possibility of hazardous reactions</b> | No hazards to be especially mentioned.              |
| <b>Conditions to avoid</b>                | Do not freeze.                                      |
| <b>Incompatible Materials</b>             | materials that react with water                     |

## 11. Toxicological information

|                        |                 |
|------------------------|-----------------|
| <b>Acute Toxicity:</b> |                 |
| LD50/oral/rat          | > 5000 mg/kg    |
| Method:                | EEC 84/449, B.1 |

|                         |                 |
|-------------------------|-----------------|
| <b>Skin Irritation:</b> | non-irritant    |
| Method:                 | EEC 84/449, B.4 |
| Species:                | rabbit          |

**Safety data sheet**  
**according to regulation (EG) Nr. 1907/2006**

---

|                        |                   |                      |             |
|------------------------|-------------------|----------------------|-------------|
| <b>Product name</b>    | Mowilith DM 777/1 |                      | EUIS/EN     |
| <b>MSDS number</b>     | 85166             | <b>Revision Date</b> | Sep.21.2010 |
| <b>Revision Number</b> | 1.01              | <b>Issuing date</b>  | Sep.21.2010 |

---

**Eye irritation:** non-irritant  
**Method:** EEC 84/449, B.5  
**Species:** rabbit eye

The toxicological data given are determined by analogy.

## **12. Ecological information**

**Biodegradation:** > 80%  
**Method:** Zahn-Wellens-Test

**Toxicity to bacteria** EC0: ~ 1000 mg/l  
**Method:** OECD 209

**Chemical Oxygen Demand (COD)** 1000 mg/g  
**Method:** calculated

**Acute fish toxicity** LC50: > 500 mg/l  
**Durations: (hours)** 96  
**Method:** OECD 203  
**Species:** zebra fish

Ecological data are determined by analogy.

## **13. Disposal considerations**

**Product information** Disposal required in compliance with all waste management related state and local regulations. The choice of the appropriate method of disposal depends on the product composition by the time of disposal as well as the local statutes and possibilities for disposal.. Diluted solution may be introduced into a biological purification plant, with permission of the responsible authorities.

**Uncleaned empty packaging** Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.. Regulations concerning reuse or disposal of used packaging materials must be observed..

**European Waste Catalogue** Allocation of a waste code number, according to the European Waste Catalogue (EWC), should be carried out in agreement with the regional waste disposal company.

## **14. Transport information**

**ADR/RID** Not regulated

**ADNR** Not regulated

**ICAO/IATA** not restricted

**IMDG** Not regulated

---

|                 |                   |               |             |
|-----------------|-------------------|---------------|-------------|
| Product name    | Mowilith DM 777/1 |               | EUIS/EN     |
| MSDS number     | 85166             | Revision Date | Sep.21.2010 |
| Revision Number | 1.01              | Issuing date  | Sep.21.2010 |

---

## 15. Regulatory information

### Labelling in accordance with EC directives

The product does not require a hazard warning label in accordance with EC directives / the relevant national laws.

### Water Hazard Class (WGK):

|             |   |
|-------------|---|
| WGK Class   | 1   |
| WGK Reg-Nr. | 662   |
| WGK Source  | Classification according to VwVwS, Annex 1 or 2 |

## 16. Other information

### For further information, see:

For more information, consult the Technical Data Sheet ([www.celanese-emulsions.com](http://www.celanese-emulsions.com)).

### Other Information:

- Traces of residual monomers can be found in the product:
- Butylacrylate
- Methyl methacrylate

Changes against the previous version are marked by \*\*\*

### Sources of key data used to compile the datasheet

Information contained in this safety data sheet is based on Celanese owned data and public sources deemed valid or acceptable. The absence of data elements required by ANSI or 1907/2006 indicates, that no data meeting these requirements is available.

### Further information

This information is based on our present state of knowledge. It shall describe our products regarding safety requirements and shall not be construed as a guarantee or statement of condition and/or quality.