

Product name	Mowilith LDM 1871		EU/EN
MSDS number	85051	Revision Date	May.16.2006
Revision Number	1.03***	Issuing date	Jun.25.2008***

1. Identification of the substance/preparation and the company/undertaking

Product name
Mowilith LDM 1871 ***

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***

End use:
Paints, lacquers and varnishes industry, Binding agent for decorative coatings***

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 copolymerisate dispersion., Basis: , Vinyl acetate, Ethylene, plasticizer-free***.

4. First aid measures

General Information Remove contaminated, soaked clothing immediately and dispose of safely.

Inhalation Move to fresh air. If symptoms persist, call a physician.

Skin Wash off with soap and water. If symptoms persist, call a physician.

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Eyes Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician immediately.

Ingestion 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

Main symptoms None known.

Treatment Treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media

foam. dry powder. carbon dioxide (CO2). 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 (CO2)
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.

7. Handling and storage

Handling

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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.

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).

Technical measures/Storage conditions

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

Incompatible products

No special restrictions on storage with other products.

German storage class

12: Non-combustible liquids.

8. Exposure controls / personal protection

National occupational exposure limits (Germany)

No exposure limits established.

ACGIH Exposure Limits

No exposure limits established.

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.

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.

Eye protection

safety glasses.

Hand protection

Chemicals resistant gloves

Suitable material

rubber gloves

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Type 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 almost odourless

pH 4 - 5
Method ISO 976

Viscosity 1000 - 4000 mPa*s @ 23°C***
Method Brookfield Visc. RVT Sp. 3 / 20 r.p.m.

vapor pressure 24 hPa @ 20°C***
Water solubility miscible***

10. Stability and reactivity

Stability Stable under recommended storage conditions
Conditions to avoid Do not freeze
Materials to avoid materials that react with water.
Thermal decomposition No decomposition if stored and applied as directed.
Hazardous reactions No hazards to be especially mentioned.

11. Toxicological information

Acute Toxicity:***
LD50/oral/rat > 5000 mg/kg
Method: EEC 84/449, B.1

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

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

The toxicological data given are determined by analogy.

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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 h
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

15. Regulatory information

Labelling in accordance with EC directives

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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).

Other Information:

Traces of residual monomers can be found in the product: Vinyl acetate.

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