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Product name	Celvolit LDM 6880		EU/EN
MSDS number	85006A	Revision Date	Jan.30.2012***
Revision Number	2***.01***	Issuing date	Jan.30.2012***

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

Product name  
**Celvolit LDM 6880**

### REACH Registration Number

This product is a mixture and therefore not directly subject of the registration requirements under REACH.\*\*\*

### End Use:

Producer of building materials and painting colours, Additive for building materials

### 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

### Classification according to Regulation 1272/2008/EC (CLP)

Not a hazardous substance or preparation according to Regulation 1272/2008 (CLP)\*\*\*

### Classification and labelling according to Directive 67/548/EWG or 1999/45/EC

Not a hazardous substance or preparation according to EC-directives 67/548/EEC or 1999/45/EC

\*\*\*

### Indication of danger

Not a hazardous substance or preparation according to Regulation 1272/2008 (CLP)\*\*\*

### Statements of hazard

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

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

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### **3. Composition/information on ingredients**

**Chemical characterization** Water-borne copolymerisate dispersion. Basis: Styrene Acrylic acid ester plasticizer-free

Components	CAS-No	EC-No.	Identification Number	Percent %
Triisobutyl phosphate	126-71-6	204-798-3		< 1
Nonylphenol ethoxylate (12-14)	9016-45-9		none***	< 1

Components	67/548/EEC	1272/2008/EC (CLP)	Hazard Statements
Triisobutyl phosphate	Xi;R43		
Nonylphenol ethoxylate (12-14)	Xi;R41 R52/53***	Serious eye damage / eye irritation - Category 1 Chronic aquatic toxicity - Category 3***	H318 H412***

**Remarks** For the full text of the R-phrases mentioned in this Section, see Section 16\*\*\*

### **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\*\*\*

**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. 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\*\*\*

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**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\*\*\*

**Additional information**

Consult trained personnel. Consider the information for "Personal Protection" in chapter 8 of this Safety Data Sheet\*\*\*

## **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. During longer storage small amounts of carbon monoxide may form. To the best of our knowledge, no OEL (occupational exposure limit) is exceeded during the intended use. Containers/tanks may only be entered after thoroughly executed ventilation while considering national regulations and international standards for inspection of containers/tanks. In any case of doubt a measurement of the CO concentration is necessary\*\*\*

**Incompatible products**

Materials that react with water\*\*\*

**Protection - fire and explosion:**

No special protective measures against fire required.

**Reduce the release of the substance or mixture to the environment**

See Section 8: Environmental exposure controls\*\*\*

### **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)\*\*\*

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**Incompatible products**

Materials that react with water\*\*\*

**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**

**EC Exposure Limit Values**

No exposure limits established.\*\*\*

**National occupational exposure limits (Germany)**

Components	TRGS 900 (AGW)		STEL Factor
Triisobutyl phosphate	50 mg/m <sup>3</sup> ***	Listed	2***

**Triisobutyl phosphate**

Sensitiser.\*\*\*

**ACGIH Exposure Limits**

No exposure limits established.

**DNELs**

The product is exempt from REACH registration\*\*\*

**PNECs**

The product is exempt from REACH registration\*\*\*

**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	Nitril*** (Company KCL) or comparable article; or refer to glove manufacturer's recommendation***
Evaluation	according to EN 374: level 6*****
Material thickness	approx. 0.1 / 0.4*** mm***
Break through time	> 480 min***

**Environmental exposure controls**

Do not discharge into the drains/surface waters/groundwater\*\*\*

**Environmental Precautions**

Environmental Precautions \*\*\*

**9. Physical and chemical properties**

**Appearance**

Form	liquid***
Color	white
Odor	of acrylic monomers

Melting point/range	0***°C***
Boiling point/range	100***°C***
Density	0.95 - 1.1*** g/ml @ 25°C***
Method	ISO 2811-3***

pH	7.0 - 9.0
Method	ISO 976

Viscosity	50 - 200 mPa*s @ 25°C***
Method	Brookfield Visc. RVT Sp. 2 / 20 r.p.m.

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

Remarks The product was not tested for properties not listed on the MSDS.\*\*\*

**10. Stability and reactivity**

Reactivity	Stable under recommended storage conditions
Chemical Stability	No decomposition if stored and applied as directed***
Possibility of hazardous reactions	No hazards to be especially mentioned***
Conditions to avoid	Do not freeze.
Incompatible Materials	Materials that react with water***
Hazardous decomposition products	No decomposition if stored and applied as directed***

**11. Toxicological information**

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

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## 11. Toxicological information

**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.

## 12. Ecological information

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

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

**Chemical Oxygen Demand (COD)**  
**Method:** 1300 mg/g  
calculated\*\*\*

**Acute fish toxicity**  
**Durations: (hours)** LC50: > 500 mg/l  
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 \*\*\*

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## 14. Transport information

ICAO/IATA Not restricted\*\*\*

IMDG Not regulated \*\*\*

## 15. Regulatory information

**Special regulations on certain preparations** Contains triisobutyl phosphate. May produce an allergic reaction

**Water Hazard Class (WGK):**

**WGK Class**

1

**WGK Source**

Classification based on addendum 4 (VwVwS) \*\*\*

**Chemical Safety Assessment**

Chemical Safety Assessment (CSA) is not required\*\*\*

**Restrictions - Reach Regulation, Titel VIII**

This product meets the criteria for Annex XVII, No. 46\*\*\*

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## 16. Other information

### R-phrases(s)

R43 - May cause sensitization by skin contact.

R41 - Risk of serious damage to eyes. \*\*\*

R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. \*\*\*

### 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
- Styrene\*\*\*

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

### Training advice

Make sure that employees are aware of the hazards / risks as detailed on this Safety Data Sheet\*\*\*

### 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/EC 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\*\*\*

### Abbreviation and Acronym:

ADR = Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

CAS = Chemical Abstracts Service (division of the American Chemical Society)

CLP = Classification, Labelling and Packaging

DNEL = Derived No Effect Level

EINECS = European Inventory of Existing Commercial Chemical Substances

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IATA = International Air Transport Association

IBC Code = International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk (IMO)

ICAO = International Civil Aviation Organization

IMDG = International Maritime Code for Dangerous Goods

LC50 = Lethal Concentration

LD50 = Lethal Dose

PBT = Persistent, Bioaccumulative and Toxic

PNEC = Predicted No Effect Concentration

RID = Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations

Concerning the International Transport of Dangerous Goods by Rail)

R-Phrases = Risk Phrases

S-Phrases = Safety Phrases\*\*\*



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**Annex: Exposure Scenario**

The product is exempt from REACH registration\*\*\*

**Safety data sheet**  
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