

# Safety data sheet

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BASF Safety data sheet according to Regulation (EC) No. 1907/2006 as amended from time to time.

Date / Revised: 30.12.2021

Version: 2.0

Date previous version: 20.03.2017

Previous version: 1.0

Date / First version: 20.03.2017

Product: **MELFLUX 6681 F MB**

(ID no. 30857637/SDS\_GEN\_UA/EN)

Date of print 20.10.2025

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

## **MELFLUX 6681 F MB**

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

Relevant identified uses: Product for construction chemicals

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

Company:

«BASF T.O.V.» LLC

139, Velyka Vasylykivska str

Kyiv

UKRAINE

03150

Telephone: +38 044 591 55 95 (96)

E-mail address: basf.ukraine@basf.com

### 1.4. Emergency telephone number

Telephone: +49 180 22 73 11 20

0 800 30 72 72 (valid from Ukraine only !!)

Telefax number: +38 044 591 55 97

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## SECTION 2: Hazards Identification

### 2.1. Classification of the substance or mixture

For the classification of the mixture the following methods have been applied: extrapolation on the concentration levels of the hazardous substances, on basis of test results and after evaluation of experts. The methodologies used are mentioned at the respective test results.

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According to Regulation (EC) No 1272/2008 [CLP]

No need for classification according to GHS criteria for this product.

## 2.2. Label elements

| Globally Harmonized System, EU (GHS)| The product does not require a hazard warning label in accordance with GHS criteria.

## 2.3. Other hazards

According to Regulation (EC) No 1272/2008 [CLP]| The product is under certain conditions capable of dust explosion.

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## SECTION 3: Composition/Information on Ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Chemical nature

Polymer based on: polycarboxylate ether

Hazardous ingredients (GHS)

according to Regulation (EC) No. 1272/2008

No particular hazards known.

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## SECTION 4: First-Aid Measures

### 4.1. Description of first aid measures

| Remove contaminated clothing.

If inhaled:

| If difficulties occur after dust has been inhaled, remove to fresh air and seek medical attention.

On skin contact:

| Wash thoroughly with soap and water

On contact with eyes:

| Wash affected eyes for at least 15 minutes under running water with eyelids held open.

On ingestion:

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Rinse mouth and then drink 200-300 ml of water. Do not induce vomiting unless told to by a poison control center or doctor.

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

Symptoms: (Further) symptoms and / or effects are not known so far

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

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

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**SECTION 5: Fire-Fighting Measures****5.1. Extinguishing media**

Suitable extinguishing media:

dry powder, foam

Unsuitable extinguishing media for safety reasons:

carbon dioxide

Additional information:

Avoid whirling up the material/product because of the danger of dust explosion.

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

Endangering substances: harmful vapours

Advice: Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

**5.3. Advice for fire-fighters**

Special protective equipment:

Wear a self-contained breathing apparatus.

Further information:

The degree of risk is governed by the burning substance and the fire conditions. Contaminated extinguishing water must be disposed of in accordance with official regulations.

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**SECTION 6: Accidental Release Measures****6.1. Personal precautions, protective equipment and emergency procedures**

Avoid dust formation. Use personal protective clothing.

**6.2. Environmental precautions**

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

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

For small amounts: Pick up with suitable appliance and dispose of.

For large amounts: Contain with dust binding material and dispose of.

Avoid raising dust.

**6.4. Reference to other sections**

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Information regarding exposure controls/personal protection and disposal considerations can be found in section 8 and 13.

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## SECTION 7: Handling and Storage

### 7.1. Precautions for safe handling

Breathing must be protected when large quantities are decanted without local exhaust ventilation.

Protection against fire and explosion:

Avoid dust formation. Take precautionary measures against static discharges.

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

Further information on storage conditions: Keep container tightly closed and dry; store in a cool place.

Protect from temperatures above: 40 °C

The packed product must be protected against exceeding the indicated temperature.

### 7.3. Specific end use(s)

For the relevant identified use(s) listed in Section 1 the advice mentioned in this section 7 is to be observed.

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## SECTION 8: Exposure Controls/Personal Protection

### 8.1. Control parameters

Components with occupational exposure limits

No occupational exposure limits known.

### 8.2. Exposure controls

Personal protective equipment

Respiratory protection:

Suitable respiratory protection for lower concentrations or short-term effect: Particle filter with medium efficiency for solid and liquid particles (e.g. EN 143 or 149, Type P2 or FFP2)

Hand protection:

Chemical resistant protective gloves (EN ISO 374-1)

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):

e.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), polyvinylchloride (0.7 mm) and other

Supplementary note: The specifications are based on tests, literature data and information of glove manufacturers or are derived from similar substances by analogy. Due to many conditions (e.g. temperature) it must be considered, that the practical usage of a chemical-protective glove in practice may be much shorter than the permeation time determined through testing.

Manufacturer's directions for use should be observed because of great diversity of types.

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Eye protection:

Safety glasses with side-shields (frame goggles) (e.g. EN 166)

General safety and hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing is recommended.

**SECTION 9: Physical and Chemical Properties****9.1. Information on basic physical and chemical properties**

Form:	powder
Colour:	Yellowish to brownish
Odour:	odourless to musty
Odour threshold:	No applicable information available.
pH value:	approx. 6,5 - 8,5 (20 %(m), 20 °C)
Melting temperature:	The substance / product decomposes therefore not determined.
boiling temperature:	not applicable
Flash point:	Non-flammable.
Evaporation rate:	The product is a non-volatile solid.
Lower explosion limit:	30 g/m <sup>3</sup>
Ignition temperature:	360 °C (BS EN 50281-2-1 Method B) The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.
Vapour pressure:	The product has not been tested.
Density:	not applicable
Relative vapour density (air):	The product is a non-volatile solid.
Solubility in water:	soluble
Partitioning coefficient n-octanol/water (log Kow):	Study does not need to be conducted.

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Self ignition:	Temperature: 155 °C The product has not been tested. The statement has been derived from substances/products of a similar structure or composition. Data for powdery solid. No self ignition was observed up to the specified temperature.	Test type: Self-ignition at high temperatures. (Method: VDI 2263, sheet 1, 1.4.2)
Thermal decomposition:	not determined	
Viscosity, dynamic:	not applicable, the product is a solid	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	

## 9.2. Other information

Self heating ability:	Study does not need to be conducted.
Minimum ignition energy:	30 - 100 mJ
	Inductivity: 1 mH
	Grain size distribution: < 63 µm
Bulk density:	approx. 300 - 600 kg/m <sup>3</sup>
Miscibility with water:	not applicable
Hygroscopy:	The product has not been tested.
Grain size distribution:	No data available.

## SECTION 10: Stability and Reactivity

### 10.1. Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

Corrosion to metals: No corrosive effect on metal.

### 10.2. Chemical stability

The product is stable if stored and handled as prescribed/indicated.

### 10.3. Possibility of hazardous reactions

Dust explosion hazard.

### 10.4. Conditions to avoid

See SDS section 7 - Handling and storage.

### 10.5. Incompatible materials

Substances to avoid:

strong acids, strong bases, strong oxidizing agents, strong reducing agents

### 10.6. Hazardous decomposition products

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Hazardous decomposition products:

No hazardous decomposition products if stored and handled as prescribed/indicated.

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## SECTION 11: Toxicological Information

### 11.1. Information on toxicological effects

#### Acute toxicity

Assessment of acute toxicity:

Virtually nontoxic after a single ingestion. Based on available data, the classification criteria are not met.

Experimental/calculated data:

LD50 rat (oral): > 5.000 mg/kg

The product has not been tested. The statement has been derived from the properties of the individual components.

LC50 rat (by inhalation): 4 h

not determined

LD50 rat (dermal):

not determined

#### Irritation

Assessment of irritating effects:

No irritation is expected under intended use and appropriate handling. Based on available data, the classification criteria are not met.

Experimental/calculated data:

Skin corrosion/irritation rabbit: non-irritant

The product has not been tested. The statement has been derived from the properties of the individual components.

Serious eye damage/irritation rabbit: non-irritant

The product has not been tested. The statement has been derived from the properties of the individual components.

#### Respiratory/Skin sensitization

Assessment of sensitization:

No sensitizing effect. The product has not been tested. The statement has been derived from the properties of the individual components.

Experimental/calculated data:

guinea pig: Non-sensitizing. (OECD Guideline 406)

The product has not been tested. The statement has been derived from the properties of the individual components.

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#### Germ cell mutagenicity

Assessment of mutagenicity:

| Based on the ingredients, there is no suspicion of a mutagenic effect.

#### Carcinogenicity

Assessment of carcinogenicity:

| The whole of the information assessable provides no indication of a carcinogenic effect.

#### Reproductive toxicity

Assessment of reproduction toxicity:

| Based on the ingredients, there is no suspicion of a toxic effect on reproduction.

#### Developmental toxicity

Assessment of teratogenicity:

| Based on the ingredients, there is no suspicion of a teratogenic effect.

#### Specific target organ toxicity (single exposure)

Assessment of STOT single:

Based on the available information there is no specific target organ toxicity to be expected after a single exposure.

Remarks: The product has not been tested. The statement has been derived from the properties of the individual components.

#### Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Assessment of repeated dose toxicity:

No reliable data was available concerning repeated dose toxicity. Based on available data, the classification criteria are not met.

#### Aspiration hazard

| not applicable

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## SECTION 12: Ecological Information

### 12.1. Toxicity

Assessment of aquatic toxicity:

Based on available data, the classification criteria are not met. There is a high probability that the product is not acutely harmful to aquatic organisms.

Toxicity to fish:

LC50 (96 h) &gt; 10 - 100 mg/l, Fish

The product has not been tested. The statement has been derived from the properties of the individual components.



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Aquatic invertebrates:

LC50 (48 h), daphnia (other)

not determined

Aquatic plants:

EC50 (72 h), algae (other)

not determined

Microorganisms/Effect on activated sludge:

EC50 (0,5 h), bacteria (other)

not determined

Chronic toxicity to fish:

No data available.

Chronic toxicity to aquatic invertebrates:

No data available.

Assessment of terrestrial toxicity:

No data available concerning terrestrial toxicity.

## 12.2. Persistence and degradability

Assessment biodegradation and elimination (H<sub>2</sub>O):

Not readily biodegradable (by OECD criteria).

## 12.3. Bioaccumulative potential

Assessment bioaccumulation potential:

No data available.

## 12.4. Mobility in soil

Assessment transport between environmental compartments:

Volatility: No data available.

## 12.5. Results of PBT and vPvB assessment

## 12.6. Other adverse effects

The product does not contain substances that are listed in Annex I of Regulation (EC) 2037/2000 on substances that deplete the ozone layer.

## 12.7. Additional information

Add. remarks environm. fate &amp; pathway:

Treatment in biological waste water treatment plants has to be performed according to local and administrative regulations.

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## SECTION 13: Disposal Considerations

### 13.1. Waste treatment methods

| Must be disposed of or incinerated in accordance with local regulations.

Contaminated packaging:

| Uncontaminated packaging can be re-used.

| Packs that cannot be cleaned should be disposed of in the same manner as the contents.

## SECTION 14: Transport Information

### Land transport

ADR

Not classified as a dangerous good under transport regulations

UN number or ID number: Not applicable

UN proper shipping name: Not applicable

Transport hazard class(es): Not applicable

Packing group: Not applicable

Environmental hazards: Not applicable

Special precautions for user: None known

RID

Not classified as a dangerous good under transport regulations

UN number or ID number: Not applicable

UN proper shipping name: Not applicable

Transport hazard class(es): Not applicable

Packing group: Not applicable

Environmental hazards: Not applicable

Special precautions for user: None known

### Inland waterway transport

ADN

Not classified as a dangerous good under transport regulations

UN number or ID number: Not applicable

UN proper shipping name: Not applicable

Transport hazard class(es): Not applicable

Packing group: Not applicable

Environmental hazards: Not applicable

Special precautions for user: None known

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Transport in inland waterway vessel

Not evaluated

**Sea transport****IMDG**

Not classified as a dangerous good under transport regulations

UN number or ID number: Not applicable

UN proper shipping name: Not applicable

Transport hazard class(es): Not applicable

Packing group: Not applicable

Environmental hazards: Not applicable

Special precautions for user: None known

**Air transport****IATA/ICAO**

Not classified as a dangerous good under transport regulations

UN number or ID number: Not applicable

UN proper shipping name: Not applicable

Transport hazard class(es): Not applicable

Packing group: Not applicable

Environmental hazards: Not applicable

Special precautions for user: None known

**14.1. UN number or ID number**

See corresponding entries for "UN number or ID number" for the respective regulations in the tables above.

**14.2. UN proper shipping name**

See corresponding entries for "UN proper shipping name" for the respective regulations in the tables above.

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

See corresponding entries for "Transport hazard class(es)" for the respective regulations in the tables above.

**14.4. Packing group**

See corresponding entries for "Packing group" for the respective regulations in the tables above.

**14.5. Environmental hazards**

See corresponding entries for "Environmental hazards" for the respective regulations in the tables above.

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**14.6. Special precautions for user**

See corresponding entries for "Special precautions for user" for the respective regulations in the tables above.

**14.7. Maritime transport in bulk according to IMO instruments**

Maritime transport in bulk is not intended.

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**SECTION 15: Regulatory Information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

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**SECTION 16: Other Information**Abbreviations

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road.  
ADN = The European Agreement concerning the International Carriage of Dangerous Goods by Inland waterways. ATE = Acute Toxicity Estimates. CAO = Cargo Aircraft Only. CAS = Chemical Abstract Service. CLP = Classification, Labelling and Packaging of substances and mixtures. DIN = German national organization for standardization. DNEL = Derived No Effect Level. EC50 = Effective concentration median for 50% of the population. EC = European Community. EN = European Standards. IARC = International Agency for Research on Cancer. IATA = International Air Transport Association. IBC-Code = Intermediate Bulk Container code. IMDG = International Maritime Dangerous Goods Code. ISO = International Organization for Standardization. STEL = Short-Term Exposure Limit. LC50 = Lethal concentration median for 50% of the population. LD50 = Lethal dose median for 50% of the population. TLV = Threshold Limit Value. MARPOL = The International Convention for the Prevention of Pollution from Ships. NEN = Dutch Norm. NOEC = No Observed Effect Concentration. OEL = Occupational Exposure Limit. OECD = Organization for Economic Cooperation and Development. PBT = Persistent, Bioaccumulative and Toxic. PNEC = Predicted No Effect Level. PPM = Parts per million. RID = The European Agreement concerning the International Carriage of Dangerous Goods by Rail. TWA = Time Weight Average. UN-number = UN number at transport. vPvB = very Persistent and very Bioaccumulative.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

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