

**Safety Data Sheet**  
according to 1907/2006/EC, Article 31

Printing date 03.11.2007

Revision: 03.11.2007

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

- **Product details**
- **Trade name:** MOUSSELINE  
MO-21
- **Article number:** MO-21
- **Application of the substance / the preparation**  
Preparation  
for glass application
- **Manufacturer/Supplier:**  
SARL d'exploitation des ateliers Debitus  
24 rue de la Bourde 37000 Tours  
Tél : 02.47.37.99.80  
Fax : 02.47.39.67.34  
<http://www.debitus.com>  
e-mail : [vitrail@debitus.com](mailto:vitrail@debitus.com)
- **Further information obtainable from:** Laboratory
- **Information in case of emergency:** NHS Direct: 0845 46 47 / Fax: 0845 606 46 47

**2 Hazards identification**

- **Hazard description:**



T Toxic

- **Information concerning particular hazards for human and environment:**  
The product has to be labelled in the latest valid version according to the calculation procedure of the "General Classification guideline for preparations of the EU".  
R 61 May cause harm to the unborn child.  
R 62 Possible risk of impaired fertility.  
R 20/22 Harmful by inhalation and if swallowed.  
R 33 Danger of cumulative effects.  
R 40 Limited evidence of a carcinogenic effect.  
R 48 Danger of serious damage to health by prolonged exposure.  
Warning! Contains lead.
- **Classification system:**  
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

**3 Composition/information on ingredients**

- **Chemical characterization**
- **Description:** Mixture: consisting of the following components.

- **Dangerous components:**

CAS: 10099-76-0	Métasilicate de plomb Carc. Cat. 1;  T; R 61-62-20/22-33-40-48	50-100%
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CAS: 18282-10-5	tin dioxide	25-50%
EINECS: 242-159-0		

· **Additional information:** For the wording of the listed risk phrases, refer to section 16.

#### 4 First aid measures

- **General information:**  
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
- **After excessive inhalation:**  
Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.  
In case of unconsciousness place patient in a stable laying down side position for transportation.
- **After skin contact:** Immediately rinse with water.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** Call for a doctor immediately.

#### 5 Fire-fighting measures

- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards caused by the substance, its products of combustion or resulting gases:**  
Formation of toxic gases is possible during heating or in case of fire.  
do not inhale steam of combustion
- **Protective equipment:** Mouth respiratory protective device.

#### 6 Accidental release measures

- **Person-related safety precautions:** Not required.
- **Measures for environmental protection:**  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.

#### 7 Handling and storage

- **Handling:**
- **Information for safe handling:**  
Thorough dedusting.  
Ensure good ventilation/exhaustion at the workplace.  
Open and handle receptacle with care.  
Prevent formation of dust.
- **Information about fire - and explosion protection:** Keep respiratory protective device available.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.

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- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.

### 8 Exposure control/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.

- **Ingredients with limit values that require monitoring at the workplace:**

#### 18282-10-5 tin dioxide

WEL (Great Britain)	Short-term value: 4 mg/m <sup>3</sup> Long-term value: 2 mg/m <sup>3</sup> as Sn
IOELV (EU)	Long-term value: 2 mg/m <sup>3</sup> as Sn

- **Additional information:** The lists valid during the making were used as basis for this document.

- **Personal protective equipment:**

- **General protective and hygienic measures:**

Keep away from food, beverages and petfood.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Store protective clothing separately.

- **Respiratory protection:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

- **Protection of hands:**



Protective gloves

- **Gloves material**

The selection of suitable gloves does not only depend on the material, but also on further marks of quality which may vary from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked before use.

- **Eye protection:** Not required.

### 9 Physical and chemical properties

- **General Information**

<b>Form:</b>	Crystalline powder
<b>Colour:</b>	According to product specification
<b>Odour:</b>	Characteristic

- **Change in condition**

**Melting point/Melting range:** 632°C

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<b>Boiling point/Boiling range:</b>	1470°C
· <b>Flash point:</b>	Not applicable.
· <b>Ignition temperature:</b>	370°C
· <b>Self-igniting:</b>	Product is not self igniting.
· <b>Danger of explosion:</b>	Product does not present an explosion hazard.
· <b>Density at 20°C:</b>	9.6 g/cm <sup>3</sup>
· <b>Solubility in / Miscibility with water:</b>	Insoluble.
· <b>pH-value at 20°C:</b>	7-8

### 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **Dangerous reactions** No dangerous reactions known.
- **Dangerous decomposition products:** No dangerous decomposition products known.

### 11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**  
The product shows the following hazards according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:  
Harmful

### 12 Ecological information

- **Ecotoxicological effects:**
- **Remark:** Very toxic for fish
- **General notes:**  
Also poisonous for fish and plankton in water bodies.  
Very toxic for aquatic organisms  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

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### 13 Disposal considerations

- **Product:**
- **Recommendation**  
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

· **Land transport ADR/RID (cross-border) :**



- **ADR/RID class:** 6.1 (T5) Toxic substances.
- **Danger code (Kemler):** 60
- **UN-Number:** 3288
- **Packaging group:** III
- **Hazard label:** 6.1
- **Description of goods:** 3288 TOXIC SOLID, INORGANIC, N.O.S. (Métasilicate de plomb)
- **Limited quantities (LQ) LQ9**
- **Transport category** 2
- **Tunnel restriction code** E

· **Maritime transport IMDG:**



- **IMDG Class:** 6.1
- **UN Number:** 3288
- **Label** 6.1
- **Packaging group:** III
- **EMS Number:** F-A,S-A
- **Marine pollutant:** No
- **Proper shipping name:** TOXIC SOLID, INORGANIC, N.O.S. (Métasilicate de plomb)

· **Air transport ICAO-TI and IATA-DGR:**



- **ICAO/IATA Class:** 6.1
- **UN/ID Number:** 3288
- **Label** 6.1
- **Packaging group:** III

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· **Proper shipping name:** TOXIC SOLID, INORGANIC, N.O.S. (Métasilicate de plomb)

### 15 Regulatory information

· **Labelling according to EU guidelines:**

The product has been marked in accordance with EU Directives / respective national laws.  
2004/73/CE ; 2006/8/CE

· **Code letter and hazard designation of product:**



T Toxic

· **Hazard-determining components for labelling:**

Métasilicate de plomb

· **Risk phrases:**

- 61 May cause harm to the unborn child.
- 62 Possible risk of impaired fertility.
- 20/22 Harmful by inhalation and if swallowed.
- 33 Danger of cumulative effects.
- 40 Limited evidence of a carcinogenic effect.
- 48 Danger of serious damage to health by prolonged exposure.

· **Safety phrases:**

- 53 Avoid exposure - obtain special instructions before use.
- 1/2 Keep locked up and out of the reach of children.
- 36/37 Wear suitable protective clothing and gloves.
- 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
- 56 Dispose of this material and its container to hazardous or special waste collection point.

· **Special labelling of certain preparations:**

Warning! Contains lead.

### 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant R-phrases**

- 20/22 Harmful by inhalation and if swallowed.
- 33 Danger of cumulative effects.
- 40 Limited evidence of a carcinogenic effect.
- 48 Danger of serious damage to health by prolonged exposure.
- 61 May cause harm to the unborn child.
- 62 Possible risk of impaired fertility.