

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:** BLEU N°1
BL1-19

· **Article number:** BL1-19

· **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

· **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 49 May cause cancer by inhalation.

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 43 May cause sensitisation by skin contact.

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.

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· Dangerous components:		
CAS: 10099-76-0	Métasilicate de plomb Carc. Cat. 1;  T; R 61-62-20/22-33-40-48	50-100%
CAS: 1344-28-1 EINECS: 215-691-6	aluminium oxide	10-25%
CAS: 1308-06-1 EINECS: 215-157-2	tricobalt tetraoxide  T,  Xi; R 49-43	2.5-10%

· 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:

CO₂, 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.

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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.
- **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:**

1344-28-1 aluminium oxide	
WEL (Great Britain)	Long-term value: 10* 4** mg/m ³ *inhalable dust **respirable dust
1308-06-1 tricobalt tetraoxide	
WEL (Great Britain)	Long-term value: 0.1 mg/m ³ as Co; Carc

- **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.

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· **Eye protection:** Not required.

9 Physical and chemical properties

· **General Information**

Form:	Crystalline powder
Colour:	According to product specification
Odour:	Characteristic

· **Change in condition**

Melting point/Melting range: 632°C
Boiling point/Boiling range: 1470°C

· **Flash point:** Not applicable.

· **Ignition temperature:** 370°C

· **Self-igniting:** Product is not self igniting.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Density at 20°C:** 9.6 g/cm³

· **Solubility in / Miscibility with water:** Insoluble.

· **pH-value at 20°C:** 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

· **Sensitisation** May cause sensitisation by skin contact.

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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.

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

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- **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
- **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
tricobalt tetraoxide

· **Risk phrases:**

- 49 May cause cancer by inhalation.
- 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.
- 43 May cause sensitisation by skin contact.
- 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.

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- **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.*
- 43 *May cause sensitisation by skin contact.*
- 48 *Danger of serious damage to health by prolonged exposure.*
- 49 *May cause cancer by inhalation.*
- 61 *May cause harm to the unborn child.*
- 62 *Possible risk of impaired fertility.*

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