

**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:** CARMIN  
CA-20

· **Article number:** CA-20

· **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

N Dangerous for the environment

· **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.

R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Contains lead. Should not be used on surfaces liable to be chewed or sucked by children

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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

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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: 1317-36-8 EINECS: 215-267-0	lead monoxide Repr. Cat. 1, 3;  T,  N; R 61-62-20/22-33-50/53	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:**

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.

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- 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:**  
The product does not contain any significant quantities of materials with critical values that have to be monitored at the workplace.
- **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, lead monoxide)
- **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, lead monoxide)

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



- **ICAO/IATA Class:** 6.1
- **UN/ID Number:** 3288

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- **Label** 6.1
- **Packaging group:** III
- **Proper shipping name:** TOXIC SOLID, INORGANIC, N.O.S. (Métasilicate de plomb, lead monoxide)

### 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  
N Dangerous for the environment

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

Métasilicate de plomb  
lead monoxide

· **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.
- 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

· **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:**

Contains lead. Should not be used on surfaces liable to be chewed or sucked by children  
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.

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- 40 *Limited evidence of a carcinogenic effect.*
- 48 *Danger of serious damage to health by prolonged exposure.*
- 50/53 *Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.*
- 61 *May cause harm to the unborn child.*
- 62 *Possible risk of impaired fertility.*

GB