



## **MATERIAL SAFETY DATA SHEET**

Ai sensi del regolamento 1907 /2006 /CE, Articolo 31

*Extrema Mastice Refrattario*

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

#### **Product details**

**Trade Name :** Fire Sealants 1200 °C – Mastice Refrattario

#### **Application of the substance/the preparation**

Sealant

Adhesive

#### **Manufacturing /Supplier:**

**CAM06 - C.A.M. INTERNATIONAL SRL –Via F.lli Cervi 48, Cerro Maggiore 20023 – Mi Italy**

#### **Further information obtainable from :**

Product safety department

### **2. Hazards identification**

#### **Hazard description:**



Xi Irritant

#### **Information concerning particular hazards for human and environment:**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparation of the EU" in the latest valid version.

R41 Risk of serious damage to eyes.

#### **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 of substances listed below with nonhazardous additions.

#### **Dangerous components:**

CAS: 1344-09-8

Silicic acid, sodium salt



Xn,



Xi;

R22-37/38-41

10-30%

EINECS:215-687-4

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

#### **4. First aid measures**

**After inhalation:** Supply fresh air; consult doctor in case of complaints.

**After skin contact:** Generally the product does not irritate the skin.

**After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.

**After swallowing:** do not induce vomiting; call for medical help immediately

#### **5. Fire-fighting measures**

**Suitable extinguishing agents:**

CO<sub>2</sub>, powder or water spray. Fight larger fires water spray or alcohol resistant foam.

**Protective equipment:** mouth respiratory protective device

#### **6. Accidental release measures**

**Person-related safety precautions:** Wear protective clothing

**Measures for environmental protection:**

Dilute with plenty of water.

Do not allow to enter sewers/surfaces or ground water.

**Measures for cleaning/collecting:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust)

Pick up mechanically

**Additional information:** See section 8 for information on personal protection equipment

#### **7. Handling and storage**

**Handling:**

**Information for safe handling:** No special measures required.

**Information about fire - and explosion protection:** No special measures required

**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:** None

#### **8. Exposure controls/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 relevant quantities of materials with critical values that have to be monitored at the workplace

**Additional information:** the list valid during the making were as basis

**Personal protective equipment:**

**General protective and hygienic measures:**

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work

Avoid contact with the eyes

**Respiratory protection:** not required

**Protection of hands:**

The glove material has to be impermeable and resistant to the product/ the substance / the preparation. Due to missing tests no recommendation to the glove material can be given for the product / the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

**Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies 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 prior to the application

**Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Eye protection:**



Tightly sealed goggles

**9. Physical and chemical properties**

**General Information**

<b>Form:</b>	Pasty
<b>Colour:</b>	Black
<b>Odour:</b>	Characteristic

**Change in condition**

<b>Melting point/Melting range:</b>	0°C
<b>Boiling point/Boiling range:</b>	100 °C
<b>Flash Point:</b>	not applicable
<b>Ignition temperature:</b>	Undetermined
<b>Self-igniting:</b>	product is not selfigniting
<b>Danger of explosion:</b>	product does not present an explosion hazard

**Explosion limits:**

<b>Lower:</b>	Undetermined
<b>Upper:</b>	Undetermined

<b>Vapour pressure:</b>	Undetermined
<b>Density at 20°C:</b>	1,95g/cm <sup>3</sup>

**Solubility in / Miscibility with Water:**

fully miscible

**pH-value:** undetermined

**Solvent content:**

**VOC (EC)** 0.00%

**VOC (EC)** g/l

**10. Stability and reactivity**

**Thermal decomposition/conditions to be avoided:** no decomposition of used according to specifications.

**Dangerous reactions :** no dangerous reaction known

**Dangerous decomposition products:** no dangerous decomposition products unknown

**11. Toxicological information**

**Acute toxicity:**

**Primary irritant effect:**

**On the skyn:** no irritant effect

**On the eye:** strong irritant with the danger of severe eye injury

**Sensitization:** no sensitizing effects unknown

**Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Irritant

## **12. Ecological information**

### **General notes:**

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 together with household garbage. Do not allow product to reach sewage system.

#### **European waste catalogue**

080409 waste adhesives and sealants containing organic solvents or other dangerous substances

### **Uncleaned packaging:**

**Recommendation:** Disposal must be made according to official regulations.

**Recommended: cleansing agents:** water, if necessary together with cleansing agents.

## **14. Transport information**

### **Land transport ADR/RID (cross-border)**

**ADR/RID class:** -

### **Maritime transport IMDG:**

**IMDG Class:** -

### **Air Transport ICAO-TI and IATA-DGR:**

**ICAO/IATA Class:** -

## **15. Regulatory information**

### **Labelling according to EU guidelines:**

The product has been classified and marked in accordance with EU Directives/Ordinance on Hazardous Materials

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



Xi Irritant

### **Risk phrases:**

41 Risk of serious damage to eyes

### **Safety phrases:**

2 Keep out of reach of children

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

39 Wear eye/face protection

46 If swallowed, seek medical advice immediately and show this container or label.

## **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**

22 Harmful if swallowed

37/38 Irritating to respiratory system and skin

41 Risk of serious damage to eyes.

**Department issuing MSDS :**Product Safety department