

**CIMRETARD LS P****AX-134**

Xi : Irritant

**1 IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING**

**Identification of the product** : Powder.  
**Trade name** : CIMRETARD LS P  
**Use** : Industrial.  
**Company identification** : AXIM  
Usine Ciments Calcia  
78931 Guerville Cedex FRANCE  
Tél. +33 1 30 98 36 36

**Name and function of the responsible person** : Laurent Gallo - Responsable Exploitation - email : lgallo@axim.fr  
Tel : +33 1 30 98 36 21

**Emergency phone nr** : Paris : +33 1 40 05 48 48

**2 HAZARDS IDENTIFICATION**

**Risk Phrases** : Irritating to eyes.  
**Primary route of exposure** : Eyes contact.  
**Symptoms relating to use**

- **Inhalation** : Dust from this product may cause respiratory irritation.
- **Skin contact** : Repeated or prolonged skin contact may cause irritation.
- **Eye contact** : Pain. Redness. Tears.
- **Ingestion** : Not expected to present a significant ingestion hazard under anticipated conditions of normal use. Must not come into contact with food or be consumed.

**3 COMPOSITION / INFORMATION ON INGREDIENTS**

**Components** : This product is hazardous.

Substance name	Contents	CAS No	EC No	Annex No	Classification
Citric acid	>= 99 %	77-92-9	201-069-1	-----	Xi; R36

*Appearance* : Powder.  
*Molecular weight* : 192.1  
*Melting point [°C]* : 153 - 155  
*Density* : 1.665  
*Relative density, gas (air=1)* : < .076  
*Solubility in water [% weight]* : 59.2 (20°C)  
*Flash point [°C]* : 100  
*Log P octanol / water at 20°C* : -1.7  
*Properties* : Moisture sensitive.

**4 FIRST AID MEASURES**

- **Inhalation** : Assure fresh air breathing.
- **Skin contact** : After contact with skin, wash immediately with plenty of water.
- **Eye contact** : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- **Ingestion** : Rinse mouth. Seek medical advice (show the label where possible).

**CIMRETARD LS P****AX-134****5 FIRE-FIGHTING MEASURES**

- Flammable class** : The product is not flammable.
- Surrounding fires** : All extinguishing media can be used.
- Protection against fire** : Do not enter fire area without proper protective equipment, including respiratory protection.
- Special procedures** : Exercise caution when fighting any chemical fire.

**6 ACCIDENTAL RELEASE MEASURES**

- Personal precautions** : Spill should be handled by trained cleaning personnel properly equipped with respiratory and eye protection.
- Environmental precautions** : Prevent entry to sewers and public waters.  
Notify authorities if product enters sewers or public waters.
- Clean up methods** : Collect spills and put it into appropriated container.

**7 HANDLING AND STORAGE**

- Precautions in handling and storage** : Use good housekeeping practices to avoid rendering dust airborne.
- Storage** : Keep only in the original container in a cool, well ventilated place.
- Handling** : Ensure prompt removal from eyes, skin and clothing. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.

**8 EXPOSURE CONTROLS / PERSONAL PROTECTION**

- Personal protection**
- **Respiratory protection** : Approved dust respirator.
  - **Hand protection** : Gloves.
  - **Skin protection** : Skin protection appropriate to the conditions of use should be provided.
  - **Eye protection** : Goggles.
  - **Ingestion** : When using, do not eat, drink or smoke.
- Industrial hygiene** : Provide adequate ventilation to minimize dust concentrations.

**9 PHYSICAL AND CHEMICAL PROPERTIES**

- Physical state at 20 °C** : Powder.
- Colour** : White.
- Odour** : Odourless.
- pH value** : 1.85 ( Solution. 50 g/L - 25°C)
- Melting zone [°C]** : 135 - 152
- Decomposition point [°C]** : > 170
- Density** : 1.54
- Solubility in water** : +/- 1630 g/L
- Log P octanol / water at 20°C** : - 1.72

**10 STABILITY AND REACTIVITY**

- Hazardous decomposition products** : When heated to decomposition, emits dangerous fumes.
- Hazardous reactions** : Reacts with : Oxidizing agent. Bases.

**CIMRETARD LS P****AX-134****10 STABILITY AND REACTIVITY (continued)**

**Hazardous properties** : Attacks metals  
In aqueous solution it's a corrosive acid.

**11 TOXICOLOGICAL INFORMATION**

**Rat oral LD50 [mg/kg]** : 3000

**12 ECOLOGICAL INFORMATION**

**BOD5-value [mg/l]** : 0.481  
**COD-value [mg/l]** : 0.685  
**48 Hour-EC50 - Daphnia magna [mg/l]** : +/- 120

**13 DISPOSAL CONSIDERATIONS**

**General** : Dispose in a safe manner in accordance with local/national regulations.

**14 TRANSPORT INFORMATION**

**General information** : Not classified.  
**Personal precautions** : The driver shall not attempt to deal with any fire of the load.  
**In case of spillage and/or leakage** : Clean up even minor leaks or spills if possible without unnecessary risk.  
**Additional information** : None.

**15 REGULATORY INFORMATION**

**Symbol(s)** : Xi : Irritant  
**R Phrase(s)** : R36 : Irritating to eyes.  
**S Phrase(s)** : S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

**16 OTHER INFORMATION**

**Further information** : None.

The contents and format of this SDS are in accordance with Regulation (EC) N°1907/2006 of the European Parliament and of the Council.

**DISCLAIMER OF LIABILITY** The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.

**End of document**