Safety data sheet

SECTION 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Code: A10015
Product name: CALCINA PLUS

1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use: ADESIVO-RASANTE NATURALE A BASE DI CALCE IDRAULICA NATURALE PER CICLI DI ISOLAMENTO TERMICO NATURALI

1.3. Details of the supplier of the safety data sheet

Name: Vimark S.r.l.
Full address: Via Spartafino 2
District and Country: 12016 Peveragno (CN) Italia
Tel. +39 0171 33 93 95
Fax +39 0171 33 93 95

E-mail address of the competent person responsible for the Safety Data Sheet: laboratorio@vimark.com

Product distribution by: Marco Massolino

1.4. Emergency telephone number

For urgent inquiries refer to CENTRI ANTIVELENI
+39 02 66101029 Milano (IT) Opedale Niguarda Ca’ Granda
+39 011 6637637 Torino (IT) Az. Ospedaliera Molinette
+39 06 3054343 Roma (IT) Policlinico A. Gemelli
+39 055 4277238 Firenze (IT) Az. Ospedaliera Careggi
+39 081 7472870 Napoli (IT) Az. Ospedaliera A. Cardarelli

SECTION 2. Hazards identification.

2.1. Classification of the substance or mixture.

The product is classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety data sheet that complies with the provisions of EC Regulation 1907/2006 and subsequent amendments.

Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Hazard classification and indication:
- Serious eye damage, category 1: H318 Causes serious eye damage.
- Skin irritation, category 2: H315 Causes skin irritation.
- Specific target organ toxicity - single exposure, category 3: H355 May cause respiratory irritation.

2.2. Label elements.

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Hazard pictograms:

Signal words: Danger

Hazard statements:
- H318 Causes serious eye damage.
SECTION 2. Hazards identification.

| H315 | Causes skin irritation. |
| H335 | May cause respiratory irritation. |

Precautionary statements:
- **P102**: Keep out of reach of children.
- **P261**: Avoid breathing dust / fume / gas / mist / vapours / spray.
- **P280**: Wear protective gloves / clothing and eye / face protection.
- **P302+P352**: IF ON SKIN: wash with plenty of water.
- **P304+P340**: IF INHALED: remove person to fresh air and keep comfortable for breathing. Continue rinsing.
- **P312**: Call a POISON CENTER or doctor if you feel unwell.
- **P501**: Dispose of contents / container in accordance with local/regional/national regulation.

Contains: NATURAL HYDRAULIC LIME

2.3. Other hazards.

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0.1%.

SECTION 3. Composition/information on ingredients.

3.1. Substances.

Information not relevant.

3.2. Mixtures.

Contains:

<table>
<thead>
<tr>
<th>Identification</th>
<th>Conc. %</th>
<th>Classification 1272/2008 (CLP).</th>
</tr>
</thead>
<tbody>
<tr>
<td>NATURAL HYDRAULIC LIME</td>
<td>22 - 25</td>
<td>Eye Dam. 1 H318, Skin Irrit. 2 H315, STOT SE 3 H335</td>
</tr>
</tbody>
</table>

Note: Upper limit is not included into the range.

The full wording of hazard (H) phrases is given in section 16 of the sheet.

SECTION 4. First aid measures.

4.1. Description of first aid measures.

**EYES**: Remove contact lenses, if present. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. If problem persists, seek medical advice.

**SKIN**: Remove contaminated clothing. Wash immediately with plenty of water. If irritation persists, get medical advice/attention. Wash contaminated clothing before using it again.

**INHALATION**: Remove to open air. In the event of breathing difficulties, get medical advice/attention immediately.

**INGESTION**: Get medical advice/attention. Induce vomiting only if indicated by the doctor. Never give anything by mouth to an unconscious person, unless authorised by a doctor.

4.2. Most important symptoms and effects, both acute and delayed.

For symptoms and effects caused by the contained substances, see chap. 11.

4.3. Indication of any immediate medical attention and special treatment needed.

Information not available.

SECTION 5. Firefighting measures.

5.1. Extinguishing media.

**SUITABLE EXTINGUISHING EQUIPMENT**
Choose the most appropriate extinguishing equipment for the specific case.

**UNSUITABLE EXTINGUISHING EQUIPMENT**
None in particular.

5.2. Special hazards arising from the substance or mixture.

**HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE**
The product is neither flammable nor combustible.
SECTION 5. Firefighting measures.

5.3. Advice for firefighters.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

SECTION 6. Accidental release measures.

6.1. Personal precautions, protective equipment and emergency procedures.

If there are no contraindications, spray powder with water to prevent the formation of dust. Avoid breathing vapours/mists/gases. Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

6.2. Environmental precautions.

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3. Methods and material for containment and cleaning up.

Use spark-proof mechanical equipment to collect the leaked product and place it in containers for recovery or disposal. If there are no contraindications, use jets of water to eliminate product residues. Make sure the leakage site is well aired. Check incompatibility for container material in section 7. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections.

Any information on personal protection and disposal is given in sections 8 and 13.

SECTION 7. Handling and storage.

7.1. Precautions for safe handling.

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat.

7.2. Conditions for safe storage, including any incompatibilities.

Store only in the original container. Store the containers sealed, in a well ventilated place, away from direct sunlight. Keep containers away from any incompatible materials, see section 10 for details.

7.3. Specific end use(s).

Information not available.

SECTION 8. Exposure controls/personal protection.

8.1. Control parameters.

Regulatory References:

<table>
<thead>
<tr>
<th>Country</th>
<th>Threshold Limit Value.</th>
<th>Effects on consumers.</th>
<th>Effects on workers</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRA</td>
<td>Type</td>
<td>TWA/8h</td>
<td>STEL/15min</td>
</tr>
<tr>
<td></td>
<td></td>
<td>mg/m3 ppm</td>
<td>mg/m3 ppm</td>
</tr>
<tr>
<td>VLEP</td>
<td>FRA</td>
<td>1</td>
<td>RESP.</td>
</tr>
<tr>
<td>Health - Derived no-effect level - DNEL / DMEL</td>
<td>Route of exposure</td>
<td>Acute local</td>
<td>Chronic local</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Acute systemic</td>
<td>Chronic systemic</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4</td>
<td>1</td>
</tr>
</tbody>
</table>

Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.
VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified.

During the risk assessment process, it is essential to take into consideration the ACGIH occupational exposure levels for inert particulate otherwise classified (PNOC respirable fraction: 3 mg/m3; PNOC inhalable fraction: 10 mg/m3). For values above these limits, use a P type filter, whose class (1, 2 or 3) must be chosen according to the outcome of risk assessment.
SECTION 8. Exposure controls/personal protection. ...

8.2. Exposure controls.

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration. Personal protective equipment must be CE marked, showing that it complies with applicable standards.

Provide an emergency shower with face and eye wash station.

HAND PROTECTION
In the case of prolonged contact with the product, protect the hands with penetration-resistant work gloves (see standard EN 374).

Work glove material must be chosen according to the use process and the products that may form. Latex gloves may cause sensitivity reactions.

SKIN PROTECTION
Provide an emergency shower with face and eye wash station.

HAND PROTECTION
In the case of prolonged contact with the product, protect the hands with penetration-resistant work gloves (see standard EN 374).

Work glove material must be chosen according to the use process and the products that may form. Latex gloves may cause sensitivity reactions.

SKIN PROTECTION
Wear category II professional long-sleeved overalls and safety footwear (see Directive 89/686/EEC and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

EYE PROTECTION
Wear a hood visor or protective visor combined with airtight goggles (see standard EN 166).

RESPIRATORY PROTECTION
Use a type P filtering facemask (see standard EN 149) or equivalent device, whose class (1, 2 or 3) and effective need, must be defined according to the outcome of risk assessment.

ENVIRONMENTAL EXPOSURE CONTROLS.
The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

SECTION 9. Physical and chemical properties.

9.1. Information on basic physical and chemical properties.

- **Appearance**: powder
- **Colour**: beige
- **Odour**: characteristic
- **Odour threshold**: Not available.
- **pH**: Not available.
- **Melting point / freezing point**: Not available.
- **Initial boiling point**: Not available.
- **Boiling range**: Not available.
- **Flash point**: Not available.
- **Evaporation rate**: Not available.
- **Flammability (solid, gas)**: Not available.
- **Lower inflammability limit**: Not available.
- **Upper inflammability limit**: Not available.
- **Lower explosive limit**: Not available.
- **Upper explosive limit**: Not available.
- **Vapour pressure**: Not available.
- **Vapour density**: Not available.
- **Relative density**: 1,150 Kg/l
- **Solubility**: Not available.
- **Partition coefficient: n-octanol/water**: Not available.
- **Auto-ignition temperature**: Not available.
- **Decomposition temperature**: Not available.
- **Viscosity**: Not available.
- **Explosive properties**: Not available.
- **Oxidising properties**: Not available.

9.2. Other information.

Information not available.

SECTION 10. Stability and reactivity.

10.1. Reactivity.

There are no particular risks of reaction with other substances in normal conditions of use.

10.2. Chemical stability.

The product is stable in normal conditions of use and storage.

10.3. Possibility of hazardous reactions.

The powders are potentially explosive when mixed with air.

10.4. Conditions to avoid.

Avoid environmental dust build-up.
SECTION 10. Stability and reactivity. .../ >>

10.5. Incompatible materials.
Information not available.

10.6. Hazardous decomposition products.
Information not available.

SECTION 11. Toxicological information.

11.1. Information on toxicological effects.
In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification.
It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

This product may cause serious ocular lesions, cornea opacity, iris lesions, irreversible eye coloration.
Acute effects: contact with skin may cause: irritation, erythema, edema, dryness and chapped skin. Ingestion may cause health disorders, including stomach pain and sting, nausea and sickness.
Acute effects: inhalation of this product may irritate the lower and upper respiratory tract and cause cough and respiratory disorders; at higher concentrations it can also cause pulmonary edema. Ingestion may cause health problems, including stomach pain and sting, nausea and sickness.

NATURAL HYDRAULIC LIME
LD50 (Oral). > 2000 mg/kg RAT

SECTION 12. Ecological information.
Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.

12.1. Toxicity.

NATURAL HYDRAULIC LIME
LC50 - for Fish. 50,6 mg/l/96h (Calcium dihydroxyde)
EC50 - for Crustacea. 49,1 mg/l/48h (Calcium dihydroxyde)
EC50 - for Algae / Aquatic Plants. 184,57 mg/l/72h (Calcium dihydroxyde)
Chronic NOEC for Crustacea. 32 mg/l (Calcium dihydroxyde)
Chronic NOEC for Algae / Aquatic Plants. 48 mg/l (Calcium dihydroxyde)

12.2. Persistence and degradability.
Information not available.

12.3. Bioaccumulative potential.
Information not available.

12.4. Mobility in soil.
Information not available.

12.5. Results of PBT and vPvB assessment.
On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

12.6. Other adverse effects.
Information not available.


Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.
Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.
CONTAMINATED PACKAGING
Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

14.1. UN number.
   Not applicable.

14.2. UN proper shipping name.
   Not applicable.

14.3. Transport hazard class(es).
   Not applicable.

14.4. Packing group.
   Not applicable.

14.5. Environmental hazards.
   Not applicable.

14.6. Special precautions for user.
   Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code.
   Information not relevant.

SECTION 15. Regulatory information.

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture.

   Seveso category.
      None.

   Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006.
      None.

   Substances in Candidate List (Art. 59 REACH).
      None.

   Substances subject to autorisation (Annex XIV REACH).
      None.

   Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:
      None.

   Substances subject to the Rotterdam Convention:
      None.

   Substances subject to the Stockholm Convention:
      None.

   Healthcare controls.
      Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

15.2. Chemical safety assessment.

   A chemical safety assessment has been performed for the following contained substances.
   NATURAL HYDRAULIC LIME
SECTION 16. Other information.

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye Dam. 1</td>
<td>Serious eye damage, category 1</td>
</tr>
<tr>
<td>Skin Irrit. 2</td>
<td>Skin irritation, category 2</td>
</tr>
<tr>
<td>STOT SE 3</td>
<td>Specific target organ toxicity - single exposure, category 3</td>
</tr>
<tr>
<td>H318</td>
<td>Causes serious eye damage.</td>
</tr>
<tr>
<td>H315</td>
<td>Causes skin irritation.</td>
</tr>
<tr>
<td>H335</td>
<td>May cause respiratory irritation.</td>
</tr>
</tbody>
</table>

LEGEND:
- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY
2. Regulation (EU) 1272/2008 (CLP) of the European Parliament
6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament

- The Merck Index - 10th Edition
- Handling Chemical Safety
- INRS - Fiche Toxicologique (toxicological sheet)
- Patty - Industrial Hygiene and Toxicology
- ECHA website

Note for users:
The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product. This document must not be regarded as a guarantee on any specific product property.
SECTION 16. Other information.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.

Changes to previous review:
The following sections were modified:
01 / 02 / 04 / 08 / 09 / 12 / 14.