1. Identification

Product identifier:

**DUNITA PREMIUM**


Chemical name or synonym: Calcined Magnesium Silicate

Recommended use: Industrial use only

Manufacturer:

Pasek Minerales, S.A.U.
Mina Dunita Landoy, s/n
15360 Cariño (La Coruña)
Spain
Phone  +34 981 428 181
Fax    +34 981 413 010
e-mail pm@pasekminerales.es
Web    www.pasek.es
Emergency phone number 1-800-424-9300 (Chemetrec 24 hour emergency)

2. Hazard(s) Identification

Physical hazards  Not classified
Health hazards   Not classified
Environmental hazards  Not classified
OSHA defined hazards  Not classified

Label elements

- Hazard symbol  None
- Signal word  None
- Hazard statement  The substance does not meet the criteria for classification

Precautionary statement

- Prevention  Observe good industrial hygiene practices.
- Response  Wash hands after handling
- Storage  Store away from incompatible materials
- Disposal  Dispose of waste and residues in accordance with local authority requirements
Hazard(s) not otherwise classified  None known
(HNOC)
Supplemental information  None

3. Composition / Information on Ingredients

Substances
The manufacturer lists no ingredients as hazardous according to OSHA 29 CFR 1910.1200

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Chemical Formula</th>
<th>CAS-No</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcined Magnesium silicate</td>
<td>(Mg,Fe)$_2$SiO$_4$</td>
<td>1244003-26-6</td>
<td>90-100%</td>
</tr>
</tbody>
</table>

4. First-Aid Measures

Eye contact:  Do not rub eyes. Rinse eyes with plenty of clean water. If symptoms persist, seek medical attention.

Ingestion:  Rinse mouth. Get medical attention if symptoms occur.

Inhalation:  Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact:  Wash off with soap and water. Get medical attention if irritation occurs.

Most important symptoms/effects, acute and delayed  Dusts may irritate the respiratory tract, skin and eyes.

Indication of immediate medical attention and special treatment needed  Treat symptomatically

General information  Ensure that medical personnel are aware of the material(s) involved, and take precaution to protect themselves.

5. Fire-Fighting Measures

Suitable extinguishing media:  Not applicable. Use media appropriate for surrounding fire.

Unsuitable extinguishing media:  Not available.

Specific hazards arising from the chemical:  Not applicable.

Special protective equipment and precautions for fire-fighters:  Not available.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures
• Keep unnecessary personnel away.
• Wear appropriate protective equipment and clothing during clean-up.
• Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits.
• For personal protective see section 8 of these SDS.

Methods and materials for containment and cleaning up

Stop the flow of material, if this is without risk. Collect dust using a vacuum cleaner equipped with HEPA filter.

Large Spills: Wet down with water and dike for later disposal. Shovel the material into waste container. Avoid the generation of dusts during clean-up. Following product recovery, flush area with water.

Small Spills: Sweep up or vacuum up spillage and collect in suitable container for disposal. For waste disposal, see section 13 of the SDS.

Environmental precautions

Avoid discharge into drains, water courses or onto the ground.

7. Handling and Storage

Precaution for safe handling

• Handle in accordance with good industrial hygiene and safety practice.
• Wear appropriate personal protective equipments.
• Minimize dust generation and accumulation.
• Provide appropriate exhaust ventilation at places where dust is formed.
• Practice good housekeeping.

Conditions for safe storage, including any incompatibilities

• Store in dry conditions and ventilated area.
• Keep containers tightly closed to avoid accidental breakages.
• Store away from incompatible materials. Section 10 of the SDS.

8. Exposure Controls/ Personal Protection

Occupational exposure limits: No exposure limits noted for ingredient(s)

Biological limit value: No biological exposure limits noted for the ingredient(s)

Appropriate engineering controls: If material is ground, cut or used in any operation which may generate dusts, use appropriate local exhaust ventilation to keep exposures below the recommended exposure limits.

Individual protection measures, such a personal protective equipment
• Eye/face protection: Wear safety glasses with side-shields.
• Skin protection: No special protective equipment required.
• Hand protection: Wear appropriate chemical resistant gloves. Hands washing at the end of working time.
• Respiratory protection: In case of insufficient ventilation, use a NIOSH/MSHA approved respirator.
• Body protection: No special protective equipment required.
• Thermal hazards: Wear appropriate thermal protective clothing, when necessary.

**General hygiene considerations:** Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

### 9. Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Solid, granular material</td>
</tr>
<tr>
<td>Color</td>
<td>Brownish</td>
</tr>
<tr>
<td>Odor</td>
<td>Not available</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>Not available</td>
</tr>
<tr>
<td>pH</td>
<td>7-8 (5% of fines in distilled water)</td>
</tr>
<tr>
<td>Melting Point</td>
<td>1450 ºC</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not available</td>
</tr>
<tr>
<td>Flash point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Bulk Density</td>
<td>1,44 – 1,53 g/cm³</td>
</tr>
<tr>
<td>Solubility (Water)</td>
<td>Not available</td>
</tr>
<tr>
<td>Partition coefficient</td>
<td>Not available</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>Not available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>Not available</td>
</tr>
<tr>
<td>Explosive Properties</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

### 10. Stability and Reactivity

**Reactivity:** The substance is stable and non-reactive under normal conditions of storage, use and transport.

**Chemical stability:** The product is chemically stable under normal conditions of normal use.

**Possibility of hazardous reactions:** No hazardous reactions known under normal conditions.

**Conditions to avoid:** Avoid dust formation. Contact with incompatible materials.

**Incompatible materials:** Strong oxidizing agents. Incompatibility is based strictly upon potential theoretical reactions between chemicals and may not be specific to industrial application exposure.
Hazardous decomposition products: None known.

11. Toxicological Information

Information on likely routes of exposure

Inhalation: Dust may irritate respiratory system.
Skin contact: Dust or powder may irritate the skin.
Eye contact: Dust may irritate the eyes.
Ingestion: Expected to be a low ingestion hazards.

Symptoms related to the physical, chemical and toxicological characteristics:
Dust may irritate the respiratory tract, skin and eyes.

Information on toxicological effects

Acute toxicity: Not available
Skin corrosion/irritation: Prolonged skin contact may cause temporary irritation.
Serious eye damage/irritation: Direct contact with eyes may cause temporary irritation.
Respiratory or skin sensibilization: Not a respiratory or skin sensitizer.
Germ cell mutagenicity: Not data available
Carcinogenicity: This product is not considered to be a carcinogen by IARC, ACGIH, NTP or OSHA.

Toxicity for reproduction: This product is considered to be non-toxic to the reproduction system.

Specific systemic toxicity of target organs – single exposure: Not classified
Specific systemic toxicity of target organs – repeated exposure: Not classified.
Aspiration hazard: Not an aspiration hazard.

12. Ecological Information

Ecotoxicity
The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Persistence and degradability
No data available.

Bioaccumulative potential
No data available.
Mobility in soil

No data available.

Other adverse effects

No other adverse environmental effects are expected from this component.

13. Disposal Considerations

Disposal instructions

This product is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste.

Hazardous waste code

Since this product is used in several industries, no Waste Code can be provided by the supplier. The Waste Code should be determined in arrangement with your waste disposal partner or the responsible authority.

Waste from residues/ unused products

Not available.

Contaminated packaging

Not available.

14. Transport Information

- DOT: Not regulated as dangerous goods.
- ADR: Not subject to classification.
- IMDG: Not subject to classification.
- ICAO/ IATA: Not subject to classification.
- RID: Not subject to classification.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Non hazardous material

15. Regulatory Information

US federal regulations
• One or more components are not listed on TSCA.
• This product is not known to be a “Hazardous Chemical” as defined by the OSHA Hazard
• Communication Standard, 29 CFR 1910.1200. All chemical substances in this product are listed on the
  TSCA chemical substance inventory where required.

SARA 304 Emergency release notification: Not regulated.
Superfund Amendments and Reauthorization Act of 1986 (SARA):
  Hazard categories
     Immediate Hazard - No
     Delayed Hazard - No
     Fire Hazard - No
     Pressure Hazard - No
     Reactivity Hazard - No

SARA 302 Extremely Hazardous chemical No listed.
SARA 311/312 Hazardous No chemical
SARA 313 (TRI reporting) Not regulated.

Other federal regulations
  Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List
     Not regulated
  Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)
     Not regulated
  Safe Drinking Water Act (SDWA)
     Not regulated

U.S. state regulations
  US. California controlled substances CA Department of Justice (California Health and
  Safety Code Section 11100)
     Not listed.
  US. Massachusetts RTK - Substance List
     Not regulated.
  US. New Jersey Worker and Community Right-to-Know Act
     Not listed.
  US. Pennsylvania Worker and Community Right-to-Know Act
     Not listed.
US. Rhode Island RTK
Not regulated.

US. California Proposition 65
This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

International Inventories

<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory name</th>
<th>On inventory (yes/no)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia</td>
<td>Australian Inventory of Chemical Substances (AICS)</td>
<td>No</td>
</tr>
<tr>
<td>Canada</td>
<td>Domestic Substances List (DSL)</td>
<td>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Non-Domestic Substances List (NSDL)</td>
<td>No</td>
</tr>
<tr>
<td>China</td>
<td>Inventory of Existing Chemical Substances in China (IECSC)</td>
<td>No</td>
</tr>
<tr>
<td>Europe</td>
<td>European Inventory of Existing Commercial Chemical Substances (EINECS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Europe</td>
<td>European List of Notified Chemical Substances (ELINCS)</td>
<td>No</td>
</tr>
<tr>
<td>Japan</td>
<td>Inventory of Existing and New Chemical Substances (ENCS)</td>
<td>No</td>
</tr>
<tr>
<td>Korea</td>
<td>Existing Chemicals List (ECL)</td>
<td>No</td>
</tr>
<tr>
<td>New Zealand</td>
<td>New Zealand Inventory</td>
<td>No</td>
</tr>
<tr>
<td>Philippines</td>
<td>Philippine Inventory of Chemicals and Chemical Substances (PICCS)</td>
<td>Yes</td>
</tr>
<tr>
<td>United States &amp; Puerto Rico</td>
<td>Toxics Substances Control Act (TSCA) Inventory</td>
<td>No</td>
</tr>
</tbody>
</table>

*A “yes” indicates that all components of this product comply with the inventory requirements administered by the governing country(s).
A “no” indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other Information

The information given in this sheet is based on the current state of the art about the product on the indicated date of revision. The data collected in the same form are only a guide for safe handling, use, storage, transport and disposal, and should not be considered warranty or quality specification.

It is the responsibility of the end user to ensure that the product is suitable for the particular purpose for which it is intended and that their operation is performed according to both the local and national legislation applicable.

This document is applicable to the substance alone. When the substance is mixed with other products, the information in the Safety Data Sheet does not apply.