

# Safety Data Sheet

# Pasek

## MINERALES

Updated: June 2013

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Head Office: Mina Dunita Landoy  
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## 1. Product and Company Identification

Product Name	<b>DUNITE</b>
Other names	<b>DUNITA - DUNIT@ - PASEK TAP</b>
Purpose	BLAST FURNACE FLUX / EF TAPHOLE FILLER / REFRACTORY MIXES / ROCK WOOL / CO <sub>2</sub> SEQUESTRATION / CONCRETE FILLER
Supplier	PASEK MINERALES, S.A.U.  Mina Dunita Landoy - CARIÑO - LA CORUÑA - SPAIN  Tel +34 981 428 181 Fax +34 981 413 010 E-mail <a href="mailto:pm@pasekminerales.es">pm@pasekminerales.es</a>
National Emergency Telephone	+34 915 620 420

## 2. Hazard Identification

Most Important Hazards	Non hazardous substance.
Specific Hazards	Not relevant.
Risk Phrases	None.
Safety Phrases	None.

## 3. Composition / Information on Ingredients

Chemical Nature	Dunite is an inorganic mineral (Mg,Fe) <sub>2</sub> SiO <sub>4</sub> (Magnesium iron silicate)	
Chemical Analysis	MgO	37 %
	SiO <sub>2</sub>	40,5 %
	Fe <sub>2</sub> O + FeO (as Fe <sup>0</sup> )	5,8 %

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## 4. First Aid Measures

General Remarks	Not relevant.
Ingestion	Rinse mouth. Give water to drink. Never give anything to an unconscious person.
Inhalation	Remove to fresh air, rinse mouth and give water to drink.
Skin Contact	No data available.
Eye Contact	Flush eyes with plenty of clean water. If symptoms persist, seek medical attention.
Advice to Doctor	Treat according to symptoms.

## 5. Fire Fighting Measures

Hazards from Combustion Products	The product is not flammable and will not support flame. It does not promote combustion with other materials.
Extinguishing media	No specific recommendation or restrictions.

## 6. Accidental Release Measures

Personal Precautions	Avoid eye contact, avoid dust, safeguarding of sufficient ventilation / sufficient breath protection.
Environmental Precautions	Avoid dust emission.
Methods of Cleaning Up	If uncontaminated, sweep up/collect and reuse as product. If contaminated with other pollutants, collect in suitable containers.

## 7. Handling and Storage

Technician Measures and Precautions	There is no special precaution. Store in dry conditions.
Precautions for Safe Handling	No particular precautions, avoid dust.

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## 8. Exposure Controls / Personal Protection

**National Exposures Standards** Generally, the following occupational exposure limits defined for non specified nuisance dust are applicable:

	8h time weighted average (TWA)
Total dust	10 mg/m <sup>3</sup>
Respirable dust	5 mg/m <sup>3</sup>

National regulations should be considered for verification of these limit values

**Biological Limit Values** No data available.

**Engineering Controls** Local exhaust/other ventilation that will reduce concentration to under permissible exposure limit is recommended.

**Personal Protection** Protective clothing is recommended, including protective gloves and protective glasses.

Suitable respiratory protection (mask) should be worn to avoid breathing dust.

## 9. Physical and Chemical Properties

<b>Physical State</b>	Solid.	<b>Boiling Point</b>	Not applicable
<b>Form</b>	Granular material.	<b>Melting Point</b>	1450 °C
<b>Colour</b>	Grey.	<b>Solubility in Water</b>	Insoluble
<b>Odour</b>	None.	<b>Specific Gravity</b>	2,8 g/cm <sup>3</sup>
<b>pH</b>	7-8 (5% dispersion of fines in water)	<b>Explosion Properties</b>	Not applicable.

## 10. Stability and Reactivity

**Stability** The product is chemically stable.

**Hazardous Decomposition Products** None.

## 11. Toxicological Information

**Acute Toxicity** None.

**Local Effects** None. Dunita is not considered as health hazardous.

**Sensitization and Chronic Toxicity** None.

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## 12. Ecological Information

Eco-toxicity	Not relevant, inorganic mineral.
Persistence and Degradability	Not relevant, inorganic mineral.
Mobility	No data available.
Environmental Fate (Exposure)	No data available.
Bio-accumulative Potential	No data available.

## 13. Disposal Considerations

Disposal	Dispose of in accordance with all local, state and federal regulations. Not special precautions.
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## 14. Transport Information

International Regulations	Not classified as hazardous according to international transport regulations.
Maritim Transport Information	Bulk density: Grain size 10/40mm (1,70Tm/m <sup>3</sup> ) - Grain size 0/3mm (1,90Tm/m <sup>3</sup> ) Stowage factor: Grain size 10/40mm (0,60m <sup>3</sup> /Tm) - Grain size 0/3mm (0,53m <sup>3</sup> /Tm)

## 15. Regulatory Information

Hazard and Safety Label Classification according to European Commission Directive 93/21/EEC of 27 April 1993:

Classification	None*
Symbol	None
R-phrases	None
S-phrases	None

\*Not classified as a dangerous material

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## 16. Other Information

This Safety Data Sheet follows:

- *Commission Directive of the European Communities 91/155/EEC.*
- *Commission Directive of the European Communities 2001/58/EEC.*
- *new Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).*

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