

SAFETY DATA SHEET

complies with Regulation CE 1907/2006 (REACH) – art. 31

FELDSPAR Edition 1.0 of 01/10/2010 Revision 1 of 01-05-2011**1 IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY**

Identification of the substance **FELDSPAR**
Trade names:
FELDSPAR SS30, SS60, SSVC, MSS50; Siniscola (NU)
FELDSAPAR ACN ; Acri (CS)
FELDSPAR SM30, SM60 ; Sorbo San Basile (CZ)

Use of the substance / preparation Mainly used for ceramic mixtures.

Identification of the company **Europomice srl** Single Share Holder
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2 HAZARDS IDENTIFICATION

Prolonged exposure and / or massive inhalation of dust at high concentrations of respirable crystalline silica can provide pulmonary fibrosis generally known as silicosis.

In people with silicosis has been found an increased risk of lung cancer.

Exposure to dust should be monitored and kept under control.

Even if silica sands are not dangerous, any form of crystalline silica dust released from working, can have health effects.

Crystalline silica may cause cornea abrasion.

3 COMPOSITION / INFORMATION ON INGREDIENTS

Mineral name : Feldspato

Chimica formula : (Na,K,Ca) Al Si₃O₈ + SiO₂

	Feldspar	Quartz
C.A.S. n° :	68476-25-5	14808-60-7
E.I.N.E.C.S. n°:	270-666-7	238-878-4

4 FIRST AID

Contact with eyes Wash immediately with plenty of water.

Contact with skin No specific measures required.

Inhalation Breathe pure air and consult a doctor.

Ingestion Non toxic product. Rinse the mouth with water and drink plenty of water. Consult a doctor if necessary.

5 FIRE PREVENTION

The product is not combustible, is not oxidizing and does not release dangerous elements or compounds in the event of fire.

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6 MEASURES IN CASE OF ACCIDENTAL RELEASE

Personal respiratory precautions	Avoid formation of dust. If exposed to dust over the acceptable limits, wear a personal dust mask complies with the law and with applicable CE standards.
Environmental precautions	Use personal protective equipment, see section 8. Avoid the dispersion of large quantities in the environment. In the case of formation of important dust, wet with water the affected area.
Methods for cleaning	Avoid dry cleaning and use wet systems or vacuum cleaners to prevent the formation of dust Collect the product in appropriate containers, see sections 7 and 13.

7 HANDLING AND STORAGE

Handling	Avoid formation of dust. Ensure adequate ventilation where is developed dust. In If ventilation is insufficient wear respiratory equipment conforms to applicable CE regulations. Work preferably with wet cycle or with systems under suction. Wash hands before breaks and at the end of working. Do not drink or eat during handling. Change and wash the dusty clothes. More information can be supplied on request.
Storage	Ensure the collection of dust produced during commissioning silos. Store the bagged products in order to prevent accidental spills.
Specific applications	n case of use in mixture with other substances, precautions in the handling described above must be applied.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limit Values	Comply with the limits for dust (total dust and breathable quartz and cristobalite). Recommended limit values: quartz alfa breathing dust : 0.05 mg/m ³ total dust : 3.00 mg/m ³
Controlling workplace exposure	Ensure adequate suction and filtration in the places where dust is created.
Controlling body exposure	
<i>Eye Protection</i>	Wear safety glasses in accordance with applicable CE standards.
<i>Respiratory Protection</i>	In case of dust exposure over the threshold limit values, wear adequate protection, conforming to applicable CE standards.
Controllo esposizione ambientale	Comply with the limits for emissions into the atmosphere. There are no data on the ecotoxicity of feldspars, natural substance widely used on the planet.

9 PHYSICAL AND CHEMICAL PROPERT

Appearance	Grains gray - light yellow
State of matter	Solid
Odor	Odorless
pH	7 ÷ 8 in water solution
Melting temperature	1.300° C – 1.500° C
Density	2,35 g/cm ³
Solubility in water	Insignificant
Solubility in hydrofluoric acid	Yes
Grain shape	Angular

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10 STABILITY and REACTIVITY

The product is chemically stable. No particular incompatibility

11 TOXICOLOGICAL INFORMATION

A long and/or massive exposure to respirable dust containing quartz may cause silicosis, a nodular fibrosis of the lungs caused by the deposition in the lungs themselves of respirable particles of fine crystalline silica. IARC (International Agency for Research on Cancer) believes that crystalline silica inhaled in the workplace can cause lung cancer in people. Warns, however, that not all workplaces and not all types of crystalline silica are to be indicting. A lot of evidence show that an increased risk of cancer may be restricted to persons suffering from silicosis. In the current state of the facts, the protection of workers against silicosis can be consistently assured by respecting the exposure limit values.

References :

- Pilkington, W. Maclaren, A. Searl, JMG Davis, JF. Hurley & CA. Soutar, 1996. Scientific opinion on the health effects of airborne crystalline silica. Institute of Occupational Medicine Report TM/96/08 pp. 63.
- "Silica and Silica-Induced Lung Diseases". V. Castranova, V. Vallyathan & W.E. Wallace (eds.), 1996 CRC Press, pp 418.
- CA. Soutar, A. Robertson, BG. Miller & A. Searl, 1997. Epidemiological evidence on the carcinogenicity of silica: factors in scientific judgement. Institute of Occupational Medicine Report TM/97/09. pp. 34.
- "Silica, some silicates, coal dust and para-aramid fibrils". IARC monograph on the evaluation of carcinogenic risk to human, Volume 68, 1997, pp. 41-242

12 ECOLOGICAL INFORMATION

Not known adverse effects to the environment.

13 DISPOSAL CONSIDERATION

Product Avoid dispersion of dust (see paragraph 11)
Observe the current regulations
Disposal of residues / unused products: landfill according to current regulations.

Packaging No specific requests. In any case, the formation of dust from the residues of the packaging must be avoided and must be ensured adequate protection of workers.
Observe the current regulations.

14 TRANSPORT INFORMATION

No specific precautionary request by the current regulations for the transportation of dangerous products.
Avoid dispersion of dusts.

15 REGULATORY INFORMATION

Please refer to exposure limits required by law and/or recommended (see section 8). The product is not on the list of dangerous substances and mixtures of the CE and/or Italian national lists.

16 OTHER INFORMATION

The data and information contained in this document is the result of the knowledge available at the time of publication. The Safety Data Sheet does not replace, but integrates texts or rules that regulate the activity of the user. The user has full responsibility for the precautions that are necessary for the use that will make the product.

The product is a natural material that is mined, crushed and selected without treatment chemicals and without the addition of chemicals, so it is EXEMPT from registration requirements provided by Regulation EC 987/2008 (Annex II, point 7).

QUESTIONS IN WRITING

Further information can be supplied on request by contacting our technical service.

End of Safety Data Sheet