



ENOLITE K3 – K5 (Diatomaceous earth)

MATERIAL SAFETY DATA SHEET

1 - IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY

Substance

Chemical Name Silicon dioxide
 Commercial Names and Synonyms Diatom – Diatomite – Diatom earth - Kieselgur
 Chemical Abstract Nomenclature Silica

Uses Filtration

Company Tel. +39-0321-790-300 (please see bottom of the page)

Emergency service Niguarda Hospital tel. +39-02-6610-1029

2 - COMPOSITION / INFORMATION ON INGREDIENTS

- **General description of the components, relative concentrations and risks**

Chemical name	N° CAS	N°EINECS	Conc/Range %	Classification	
				Symbols	R phrases
Enolite K1 K2		This product contains crystalline silica (CE 231-545-4) whose concentration can reach 23%, as follows: Quartz <1% Cristobalite <72%		Xn	R48/20

Formula SiO₂

The product does not contain any other products and/or impurities that influence the product classification.

3 – HAZARDS IDENTIFICATION

Dangerous classified substance according to official current regulations.

Health risks Noxious by inhalation
Potential irreversible effects

Environmental risks No risks

Physical and chemical hazards Unflammable product
Fire and explosion

4 – FIRST AID MEASURES

Inhalation Move the injured person outside. Let ingest water to clean the throat.
Blow the nose to remove dust

Skin contact Wash abundantly with water

Eyes contact Wash immediately with water

Ingestion No effects. In case of ingestion of large quantities seek medical advice

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5 – FIRE-FIGHTING MEASURES

Advised extinguishing agents	Depending on the materials involved in the fire
Extinguishing agents to be avoided	Depending on the materials involved in the fire
Dangers caused by combustion matters	None
Protection measures in case of intervention	
Additional information	Uninflammable product

6 – ACCIDENTAL RELEASES MEASURES

Collection and disposal methods	Spray water in order to minimise dust formation. Collect by using mechanical equipment
Personal-related safety precautions	Use filter mask
Environmental protection	

7 – HANDLING AND STORAGE

Handling	Prevent dust formation
Storage	Keep containers closed. Store in a cool, dry and well-ventilated place

8 – PERSONAL PROTECTION / EXPOSURE CONTROL

Respiratory protection	Anti-dust mask
Skin protection	
Hand protection	Apply protection cream on hands and face
Eyes protection	Safety goggles with side screen
Exposure limits	TLV-TWA: Quartz 0.1 mg/m ³ breathable dust TLV-TWA: Crystobalite 0.05 mg/m ³ breathable dust

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14 – TRANSPORT INFORMATION

Product non subject to ADR/RID, IMO and IATA regulations, related to road, sea and airway transport of dangerous goods.

15 – REGULATORY INFORMATION

EC labelling	[]	Required by the law
	[X]	Temporary
	[]	Not required
# Classification	Xn	R48/20

16 – OTHER INFORMATION

Hazard symbol	Xn	Harmful
# Risk phrases	R48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation
Safety phrases	S22	Do not breathe dust

Health checks required by the law: medical examination based on the doctor's judgement (Presidential Decree 303/56 art.34).

Compulsory insurance: see Presidential Decree 1124/65 art. 140 and Presidential Decree 482/75 Annexes 4 and 8.

This material safety data sheet has been issued in accordance with 2001/58/CE.

Before starting the use of this product for any new process or experiment, it must be carried out a deep study on the safety and the compatibility of the product itself with materials it could come in contact with.

The information contained in this safety data sheet is given to protect health and safety at work. No responsibility is taken for possibile damages arising from uses of this information for different purposes from the ones here indicated.

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