



FLUE SEAL - Quick Setting Fire Cement

1. HAZARDS IDENTIFICATION

Health Hazards: preparation irritant, avoid contact with eyes and skin.

Environmental hazards: not disperse the product in the environment as it is.



2. COMPOSITION INFORMATION

3.1 Hazardous components within the meaning of Directive 67/548/EEC as amended, or for which there are recognized exposure limits:

Description	N° CAS	N° EINECS	CONC. %	RISCHIO	R
Sodium silicate sal 33%	1344-09-8	215-687-4	30 - 35	Xi _I	36/38

Other compounds not dangerous: mixture of mineral powders inert.

3. FIRST-AID MEASURES

Inhalation	The preparation does not issue harmful vapors, if the person has difficulty breathing after being in contact with the product, move the person to fresh air and keep at rest in case of discomfort seek medical attention. Adequately ventilate the premises in which the product is used.
Skin contact	Change contaminated clothing. Wash thoroughly with soap and water contaminated parts. Wash clothing before reuse.
Eye contact	Remove contact lenses, wash immediately with plenty of water for 15 continuous minutes, holding the eyelids open and, subsequently to undergo medical examination.
Ingestion	Only if the person is conscious, drink water to dilute the gastric contents. Seek medical attention immediately. Do not induce vomit.

4. FIRE-FIGHTING MEASURES

Suitable extinguishing agents:	The preparation is not flammable and has no oxidising properties, to cool the packages involved in the fire you can use direct water stream.
Unsuitable extinguishing media:	No one in particular
Protective equipment:	Mask with breathing apparatus and full fire-retardant clothing
Risk exposure:	Release all alkali fumes. The product is not combustible

5. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Wear D. P. I. described in paragraph 8. The product is a viscous mass so it is easy to increase because the spill is contained.
Environmental precautions:	Stop the spread of the spill immediately, thus protecting the soil and waterways (drainage). Pour inert mineral absorbent powder.
Methods for cleaning and removal:	To collect the gel formed and sent to authorized disposal. Wash affected area with water spray.

6. HANDLING AND STORAGE

Policy handling:	Wear D.P.I. described in paragraph 8; always close the container after use.
Policy Storage:	In well-ventilated and cool. Do not expose to direct sunlight and avoid freezing from +5°C up to +35°C
Notes:	Open container with care. When using do not smoke, drink or eat, keep away from food and beverages

7. EXPOSURE CONTROLS PERSONAL PROTECTION

Hand protection:	Rubber gloves.
Eye protection:	Splash goggles.
Skin protection:	Wear normal work clothes.
Respiratory protection:	Keep exposure limits shown below, ensuring adequate ventilation of the premises when the product is applied by spraying.
Components with limit values that require monitoring at the workplace:	

Component	TL V/TW A	TL V/STEL	ENTE
sodium silicate	Not available	Not available	-

8. PHYSICAL AND CHEMICAL PROPERTIES

PARAMETER	VALUE	U. M.	RANGE
8.1 Physical state:	viscous mass	/	/
8.2 colour:	Black	/	/
8.3 Odour	Odourless	/	/
8.4 Density @15°C:	1,75	Kg/l	0,17
8.5 pH @TQ:	10	/	0,5
8.6 Boiling point:	> +100	°C	/
8.7 Solubility in water @20°C:	Partial	g/l	/
8.8 viscosity @ 20°C:	NA	Kpa	/
8.9 Flash point	non-flammable	°C	/
8.10 Tenore del solvente: organic solvents:	0,0	%	/

9. STABILITY AND REACTIVITY

Materials to Avoid: Strong inorganic acids.

Hazardous Reactions: None under normal conditions of storage and use. Avoid exposure to frost and heat.

Thermal decomposition products: None under normal conditions of use.

10. TOXICOLOGICAL INFORMATION

There are no toxicological data on the product. It also takes the concentration of each substance in order to evaluate the toxicological effects deriving from the preparation. We report the toxicological information relating to the main substances:

SODIUM SILICATE:

- Skin:** - frequent and prolonged contact may cause irritation in sensitive individuals.
- Eyes:** - cause severe burning, with tearing and redness. If action is not taken quickly can cause damage to your eyesight.
- Ingestion:** - irritates the mucous membranes (mouth and throat), esophagus and intestinal tract. Cause diarrhea, nausea and vomiting.
- Mutagenicity:** - not mutagenic
- Allergic reactions:** - data not available
- Other Information:** - the aerosol is irritating to the eyes, the skin and the respiratory tract.

11. ECOLOGICAL INFORMATION

There is no ecological data on the product itself. It also takes the concentration of each substance in order to assess the environmental effects arising from the use of the preparation. It is recommended to use the Follow good working practices, avoid dispersion into the environment.

SODIUM SILICATE:

- Biodegradability:** - The product is rapidly neutralized by Co₂ (dissolved in water), when its concentration drops below 120mg SiO₂/l.
- Fish toxicity:** - The mild and temporary aquatic toxicity is related to its alkalinity that slowly is attenuated with atmospheric CO₂ until it disappears
- Daphnia toxicity:** - Data not available.
- Toxicity to algae:** - Data not available.
- More information:** - The product is water-soluble.

12. DISPOSAL CONSIDERATION

Waste treatment The residue once dried become solid inert non-reactive. The containers containing the dried product residues are non-hazardous waste. Follow local regulations regarding the disposal of waste.

13. TRANSPORT INFORMATION**Road/Rail**

ADR - n° ONU

ADR - class

ADR - PG

ADR - shipping name

Not Subject



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