

Material Safety Data Sheet

Halon Insulating Liquid

1) Identification of substance and company :

- ❖ Product name: Halon Insulatinge
- ❖ Company Name ; Halon Group Company
- ❖ Address : street 274 building no. 6 – Maadi _ Cairo – Egypt
- ❖ Tel ; (+202) 25194514 – 25177576
- ❖ **Applications of the product :**
 - A. All types of wood.
 - B. Cement walls.
 - C. Concrete walls.
 - D. Jepsen board walls.
 - E. Resisting and extinguishing forest, gardens and house fires.
 - F. Resisting and extinguishing pipeline, warehouse and factory fires of petrochemical materials without dilution.
 - G. Resisting and extinguishing Petroleum fires and its derivatives without dilution.
 - H. All types of paper & cardboard.
- ❖ Method of use : It can be used by spraying or painting.

Characteristics /

Material	CAS No	Percentage
Sodium silicate Na ₂ O ₃ Si	1344-09-8	25% - 30%
Water H ₂ O	7732-18-5	35% -40%
Quartz Si O ₂	14808-60-7	7%
Feldspar AlO ₈ Si ₃ .Na	68476-25-5	7%
Calcium carbonate Ca CO ₃	471-34-1	7%
Nanotechnology sodium chloride NaCl	7647-14-5	7%

2) General specifications

1. High purity 99.5%.
2. Natural sodium silicate.
3. Free of organic and impurities materials.
4. Free of radiation.
5. Free of toxins.
6. Free of Odor
7. No dust.
8. No metals inside.

3) **Hazards identification**

- This product is a transparent liquid sodium silicate.
- This product is not environmentally hazard.
- Inhalation non coughing of breath non recue in lung function non effects.
- Contact with shin non case irritation.
- Non absorbed through skin , it is not applicable.
- Swallowed not cause nausea.

4) **First aid - Emergency Procedures**

- Eye contact / Flush with water for 15 minutes seek medical attention.
- Skin contact / Wash with soap and water.
- Inhaled / Move to fresh air at once apply artificial respiration if breathing has stopped. seek medical attention.
- Swallowed / If discomfort persists seek medical attention.

5) **Firefighting Measures**

- The product is not flammable and resists all fire types.
- The product resists the fire more than 3200 degree Celsius.

6) **Accidental Release Measure**

The product waste is not reactive and not biodegradable and use vacuum cleaner.

7) **Handling and Storage**

Avoid dust formation keep containers tightly closed.

8) **Exposure controls / Personal Protection**

- ❖ Regulatory exposure limit (s) : None, this product does not contain any components that have regulatory occupational exposure limits.
- ❖ Hand protection : Wear normal gloves.
- ❖ Body and skin protection : Wear normal clothes.
- ❖ Eye protection : Wear safety glasses with side shields as required.

9) **Physical and Chemical Properties**

Physical state	Liquid
Appearance	Clear to Transparent
Color	Colorless to Transparent or colors
Odor	Odorless
Odor threshold (PPM)	No data available
Molecular formula	Xsio2 / Na20

Decomposition temperature	No data available
Boiling point / Range	214 -216 F (101-102 C)
Freezing Point / Range	30 F Degree /
Melting point range.	Not applicable to liquids
Vapor density (air = 1)	No data available
Relative density specific gravity	1.17 - 1,57
Evaporation rate	No data available
Flash point	Not Flammable
PH	11.4 – 12.5
Flammability (solid) (gas)	Not applicable
Lower flammability level (air)	Not Flammable
Upper flammability level (air)	Not Flammable

❖ This product resists all fire types.

10) Stability and Reactivity

Reactivity : not reactive under normal temperatures and pressure.

Stability : Stable at normal temperatures and pressure.

Hazardous Decomposition product :/ None

Condition to avoid : None

11) Toxicological Information

Irritation date : As listed below

Standard Drazen : (eye) test results for solutions with the following PH / weight ratio of SIO2/NA20 are as follows:

- Toxicity data

Product toxicity data liquid silicate alkaline

LD 50 ORAL	LD 50 DERMAL	LC 50 INHALATION
1153 mg/kg (Rat)	464 mg / kg (Rabbit)	NO DATA AVAILABLE

- Compensate toxicity data

Note. The component toxicity data is populated by the LOLI database and may differ from the product toxicity data given

Components	LD 50 ORAL	LD 50 DERMAL	LC 50 INHALATION
1344-09-8	1153 MG / KG (RAT)	-----	-----

12) Ecological Information

- The product is a common component of the earth crust
- Negative ecological effects are persistence.

13) Disposal Information

- Waste disposal methods

This product is not a hazardous waste and may be land filled. If material is contaminated with hazardous materials, place waste in properly labeled, suitable waste containers.

Contaminated material must be disposed of in accordance with federal state and local regulations using the proper waste classification.

14) Transport information

- Not classified as dangerous according to transport regulations.
- Avoid dust spreading.

15) Regulatory Information

- Flammability hazard rating: O
- Reactivity hazard rating: O
- Personal protection: E

16) Other information

- This product is a natural product
- Paste or liquid are not carried out during preparation
- This product is not hazardous

End of MSDS