




Material Safety Data Sheet

Section1. Product Information and Company Identification			
Product name	Sodium Silicate		
Mol.formula	Na2O.3SiO2	Cas no	1344-09-8
Mol.wt	242.23g/mol	Cat no	S043
Manufacture name	Pioneers for laboratory chemicals		
Brand name	Piochem		
Address	Area 540, Industrial Zone 6 th October city Giza, Egypt.		
Website	www.piochem.com		
E-mail	info@piochem.com		
Phone number	+201225728304 , +201023932115		

Section 2.Hazards Identification	
Classification of the substance or mixture:	
	Corrosive
	Irritant
	Health hazard
<p>Corr Metals. 1 Skin Corr. 1A Eye Damage. 1 Specific Target. Organ tox. 3 (single exposure) Specific Target. Organ tox. 1 (repeated exposure)</p>	
Signal word :Danger	
Hazard statements:	
May be corrosive to metals	
Causes severe skin burns and eye damage May cause respiratory irritation	
Causes damage to organs through prolonged or repeated exposure	
Precautionary statements:	
If medical advice is needed, have product container or label at hand Keep out of reach of children Read label before use Keep only in original container	



Do not breathe dust/fume/gas/mist/vapours/spray Do not eat, drink or smoke when using this product Use only outdoors or in a well-ventilated area

Wear protective gloves/protective clothing/eye protection/face protection Wash skin thoroughly after handling

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing

Immediately call a POISON CENTER or doctor/physician

Specific treatment (see supplemental first aid instructions on this label) Wash contaminated clothing before reuse Absorb spillage to prevent material damage Store in a well ventilated place.

Keep container tightly closed Store locked up

Store in corrosive resistant stainless steel container with a resistant inner liner

Section 3.First Aid Measures

After inhalation: Loosen clothing as necessary and position individual in a comfortable position. Remove to fresh air. Give artificial respiration if necessary. If breathing is difficult give oxygen. Immediately get medical assistance.

After skin contact: Wash hands and exposed skin with soap and plenty of water. Seek medical attention if irritation persists or if concerned.

After eye contact: Protect unexposed eye. Rinse or flush exposed eye gently using water for 15-20 minutes. Remove contact lenses while rinsing. Immediately get medical assistance.

After swallowing: Induce vomiting if directed to do so by medical personnel. Dilute mouth with water or milk after rinsing. Immediately get medical assistance.

Most important symptoms and effects, both acute and delayed:

Irritation. Nausea. Headache. Shortness of breath.;

Indication of any immediate medical attention and special treatment needed: Provide SDS document to physician. Physician should treat symptomatically.



Section 4. Fire Fighting Measures

Extinguishing media

Suitable extinguishing agents:

Nonflammable. Use any means suitable for extinguishing surrounding fire.

For safety reasons unsuitable extinguishing

agents: Special hazards arising from the

substance or mixture:

Combustion products may include carbon oxides or other toxic vapors.

Advice for firefighters:

Protective equipment: Wear protective eyewear, gloves, and clothing.

Additional information (precautions): Avoid contact with skin, eyes, and clothing. Ensure adequate ventilation.

Section 5. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling.

Environmental precautions:

Collect contaminated soil for characterization.

Methods and material for containment and cleaning up:

Dilute with water and absorb with suitable material and containerize for disposal. If necessary neutralize with dilute acetic acid solution. Avoid runoff into sewer. Always obey local regulations.

Section 6. Handling and Storage

Precautions for safe handling:

Avoid breathing vapors, mist, or gas. Use only in well ventilated areas. Follow good hygiene procedures when handling chemical materials. Wash hands and exposed skin with soap and plenty of water.

Conditions for safe storage, including any incompatibilities:

Keep container tightly closed in a cool, dry, and well-ventilated area. Store away from incompatible materials. Store away from food.



Section 7. Additional Information

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations. Note: The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment. The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by the use of this material. It is the responsibility of the user to comply with all applicable laws and regulations applicable to this material.

