

RAJARAM ENTERPRISE

Add:- SURVEY NO 282/A, PLOT NO 7, DAMAN GANGA IND. PARK, VILLAGE- KARWAD, TAL-VAPI, 396195, MOBILE:- 9825989992

MSDS

ISO 9001:2008

MATERIAL SAFETY DATA SHEET

SODIUM SILICATE LIQUID SOLUTION

1. Chemical And Product And Company Information

Product Identifier	Sodium Silicate Liquid Solution
Product Use	Industrial applications such as adhesive, binder, pulp & paper, water treatment, catalysts, gels etc...
Company	RAJARAM ENTERPRISE Office SURVEY NO. 282/A PLOT NO. 7, DAMAN GANGA IND. PARK, VILLAGE-KARWAD, TA- VAPI GUJRAT-396195 MOB NO:- +91 9825989992 E-mail: rajaramenterprises@ymail.com

2. Composition / Information on Ingredients

Hazardous Ingredients	Sodium Silicate Liquid Solution
CAS Number	Sodium Silicate 1344-09-8
Synonym (s)	Silicate of Soda

3. Hazard Identification

Inhalation	Inhalation can cause severe irritation of mucous lung damage. Membranes and upper respiratory tract. Symptoms may include burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea and vomiting. High concentrations may cause
Skin Contact / Absorption	Contact with skin causes server irritation such as redness, itching, blistering, burns and pain.
Eye Contact	Alkaline eye exposures produce severe irritation with effects similar to those of dilute caustics. . Inflammation or burns with possible damage to the eye tissues can occur together with tearing and considerable pain.

Ingestion	Ingesting product causes irritation to the gastrointestinal tract. Symptoms may include nausea, vomiting and diarrhea.
Exposure Limits	Not available

4. First Aid Measures

Inhalation	Remove victim to fresh air. Give artificial respiration only if breathing has stopped. If breathing is difficult, give oxygen. Seek immediate medical attention.
Skin Contact / Absorption	Remove contaminated clothing. Wash affected area with soap and water. Seek medical attention if irritation occurs or persists.
Eye Contact	Flush immediately with water for at least 20 minutes. Forcibly hold eyelids apart to ensure complete irrigation of eye tissue. Seek immediate medical attention.
Ingestion	If swallowed, DO NOT INDUCES VOMITING. Give large quantities of water. Never give anything by mouth to an unconscious person. Get medical attention immediately.
Additional Information	Not available

5. Fire Fighting

Conditions of Flammability	Non-flammable
Means of Extinction	Use extinguishing media appropriate for surrounding fire.
Flash Point	Not applicable
Auto-ignition Temperature	Not applicable
Upper Flammable Limit	Not applicable
Lower Flammable Limit	Not applicable
Hazardous Combustible Products	Flammable hydrogen gas may be produced on prolonged contact with metals such as aluminum, tin, lead and zinc.

Special Fire Fighting Procedures

Wear NIOSH-approved self-contained breathing apparatus and protective clothing.

Explosion Hazards

Not applicable

6. Accidental Release Measures

Leak / Spill

Wear appropriate personal protective equipment if required. Ventilate area. Stop or reduce leak if safe to do so. Prevent material from entering sewers. Flush with water to remove any residue. Small spill: Absorb with an inert material and place in an appropriate waste disposal container. Finish cleaning the spill area with running water.

Large spill

Stop leak if without risk. Absorb with an inert material and put the spilled material in an appropriate waste disposal. Prevent entry into sewers, basements or confined areas; dike if needed. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Deactivating Materials

Residue can be neutralized with a dilute solution of acetic acid.

7. Handling and Storage

Handling Procedures

Use proper equipment for lifting and transporting all containers. Use sensible industrial hygiene and housekeeping practices. Wash thoroughly after handling. Avoid all situations that could lead to harmful exposure.

Storage Requirements

Keep container tightly closed. Keep container in a cool, well-ventilated area. Store in clean steel or plastic containers. Separate from acids, oxidizers, reactive metals and ammonium

salts. Do not store in aluminum, fiberglass, copper, brass, zinc or galvanized containers.

8. Personal Protection and Exposure Controls

Protective Equipment

Eyes

Chemical goggles, full-face shield, or a full-face respirator is to be worn at all times when product is handled. Contact lenses should not be worn; they may contribute to severe eye injury.

Respiratory

A NIOSH/MSHA respirator with organic vapor cartridge should be used.

Gloves

Impervious gloves of chemically resistant material (rubber or PVC) should be worn at all times. Wash contaminated clothing and dry thoroughly before reuse.

Clothing

Body suits, aprons, and/or coveralls of chemical resistant material should be worn at all times. Wash contaminated clothing and dry thoroughly Before reuse.

Footwear	Impervious boots of chemically resistant material should be worn.
Engineering Controls	
Ventilation Requirements	Mechanical ventilation (dilution or local exhaust), process or personnel enclosure and control of process conditions should be provided. Supply sufficient replacement air to make up for air removed by exhaust systems.
Other	Emergency shower and eyewash should be in close proximity.

9. Physical and Chemical Properties

Parameters

Appearance

Hazy Viscous Liquid

Colour

Clear to hazy white.

Relative Density

From 1.300 to 1.650 approx

Ph

Approximately 10 to 12

10. Stability and Reactivity

Stability

Product is stable under normal conditions

Incompatibility

Highly reactive with acids. Reactive with oxidizing agents

Hazardous Products of Decomposition

Hydrogen gas

Polymerization

Will not occur

11. Toxicological Information

Irritancy

Strong irritant

Sensitization

Not available

Chronic/Acute Effects

Not available

Synergistic Materials

Not available

Animal Toxicity Data

1500mg/kg (rat, oral)

Carcinogenicity

Not considered a carcinogen by NTP or IARC

Reproductive Toxicity

Not available

Teratogenicity

Not available

Mutagenicity

Not available

12. Ecological Information

Fish Toxicity	Not available
Biodegradability	Not available
Environmental Effects	High pH of this material is harmful to aquatic life.

13. Disposal Consideration

Waste Disposal	Dispose in accordance with all federal, provincial, and/or local regulations including the Canadian Environmental Protection Act.
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14. Transportation Information

TDG Classification

Class	Not regulated
Group	Not regulated
PIN Number	Not regulated
Other	Secure containers (full and/or empty) with suitable hold down devices during shipment.

15. Regulatory Information

WHMIS Classification	D2
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NOTE :-

The product listed on this msds has been classified in accordance with the hazard criteria of the canadian controlled products regulations. This msds contains all information required by those regulations.

16. Other Information

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.

For any further clarification in this regards please do feel free to contact us at any point of time at rajaramenterprises@ymail.com

Assuring you great attention at all times

For RAJARAM ENTERPRISE

Quality Assurance Department

** Note : This is a computer generated report hence not needed to sign.

THESE SUGGESTIONS & DATA ARE BASED ON INFORMATION, WE BELIEVE TO BE RELIABLE. THEY ARE OFFERED IN GOOD FAITH, BUT WITHOUT GUARANTEE, AS CONDITIONS AND METHODS OF USE OF OUR PRODUCTS ARE BEYOND OUR CONTROL

