



MATERIAL SAFETY DATA SHEET

KAZOO LIQUID 3% OSA

Section 1 : Chemical Product & Company information

Product Name Ortho Silicic Acid liquid
Trade Name KAZOO Liquid 3% OSA
CAS number 10193-36-9
Chemical Name Ortho Silicic Acid
Chemical Formula Si(OH)_4
Contact Information ADASCA,
Somnath Park, Near Dindori Naka, Panchavati
Nashik 422003
Telephone number +91-253-2515044
Website www.adasca.in
Email info@adasca.in

Section 2 : Composition and information on ingredients

Name	CAS #	% by Weight
Ortho Silicic Acid	1343-98-2	100

Section 3 : Hazard Identification

- 3.1 Potential Acute Health Effect
Slightly hazardous in case of skin contact (irritant), of eye contact





(irritant), of ingestion, of inhalation. Severe over-exposure can result in death.

- 3.2 Potential Chronic Health Effect
- | | |
|----------------------|---------------|
| Carcinogenic Effect | Not available |
| Mutagenic Effect | Not available |
| Teratogenic Effect | Not available |
| Development Toxicity | Not available |
- The substance may be toxic to lungs.

Repeated or prolonged exposure to the substance can produce target organ damage. Repeated exposure to a highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

SECTION 4 : FIRST AID MEASURES

- 4.1 Eye Contact
Remove contact lens if there. In case of eyes getting affected, flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation persists.
- 4.2 Skin Contact
Wash the affected area with plenty of soap and water. Cover the irritated area with calming balm. Get medical attention if irritation persists. No details available in case of serious skin contact.
- 4.3 Inhalation
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention. No details available in case of serious inhalation contact
- 4.4 Ingestion





Do NOT induce vomiting unless directed by the physician. Do not give anything by mouth to the patient, if unconscious.

Loosen the clothing, if tight such as collar, belt, tie, and waistband etc. Get immediate medical attention, if symptoms persist. No details available in case of serious ingestion.

SECTION 5 : FIRE AND EXPLOSION DATA

5.1	Flammability	Non-flammable
5.2	Auto ignition temperature	not applicable
5.3	Flash Point	Not applicable
5.4	Flammable Limits	Not applicable
5.5	Combustion Products	Not available
5.6	Fire hazard in presence of Various substances	} not applicable
5.7	Fire Fighting Media and Instructions	} Not applicable
5.8	Special remarks on Explosion hazards	} Substance can explode when wet and heated with Magnesium

SECTION 6 : ACCIDENTAL RELEASE MEASURE

6.1 Small Spills

Use appropriate tools to collect the spilled material in a convenient waste disposal container. Complete the cleaning by pouring water on

the contaminated surface and disposing of the material as approved by the authorized local and regional requirements.





6.2 Large Spills

Stop leak without causing any risk. Do not get water inside the container. Do not touch spilled material with bare hands. Use water spray to reduce product vapour, if any. Prevent entry into sewers, basements or confined areas; dike the area if required. Call for assistance on disposal. Finish cleaning by spreading water on the contaminated area and allow evacuating through the sanitary system. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

SECTION 7 : HANDLING AND STORAGE

7.1 Precautions:

Keep the product under lock and key. Do not allow children and unauthorized persons to handle the product. Wear suitable protective clothing when handling the product. Avoid contact with eyes, skin and mouth. Seek medical advice immediately when needed and share the container and/or the label to the physician.

7.2 Storage

Keep the container tightly closed away from the reach of children. Store the product in a cool, well-ventilated place away from the direct sunlight.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1 Exposure Guidelines

This product does not contain any hazardous substance with any occupational exposure limits established by the regional specific authorized body.





8.2 Engineering Measure

Ensure adequate ventilation, especially in a confined area; provide required number of exhaust fans to ensure that workstation areas are devoid of any bad air or the airborne levels are below the acceptable norms. Provide relevant arrangements wherein the dust, if generated, is cleared as soon as possible. Ensure that the eyewash stations and safety showers are close to the workstations.

8.3 Personal Protection

Use gloves, safety goggles, protective clothing, protective respirators and other safety personal protection equipment. Ensure that the

handler in case of large spills or leaks practices the absolute protection.

8.4 Hygiene Measures

Handle in accordance with the good industrial Hygiene and Safety Practices.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

SR NO	STUDY TYPE	VALUE/REMARKS
1	Physical State, color and odour	Light Yellow color liquid with slight ammonia odour
2	Density	1.1386 g/mL at 20.1 °C
3	Surface Tension	54.703 mN/m at 20 °C (1 g/L of product)
4	Explosive Property	Non-explosive when tested under thermal and mechanical methods
5	pH	11.58 of 1% aqueous solution at 23 °C





SECTION 10: STABILITY AND REACTIVITY

10.1 Stability	The product is stable under normal Conditions of storage.
10.2 Reactive Hazard	None known based on the available Information
10.3 Conditions to avoid	Incompatible products
10.4 Conditions causing Instability	Moisture, strong oxidizing substances
10.5 Corrosivity	Not Available
10.6 Polymerization	will not occur
10.7 Reactivity	Incompatible with Hydrogen fluoride, xenon Hexafluoride, oxygen difluoride and chlorine trifluoride.

SECTION 11: TOXICOLOGICAL INFORMATION

SR NO	STUDY TYPE	VALUE/REMARKS
1	Acute Inhalation Toxicity (LC ₅₀)	>5.08 mg/L of Air (no treatment related pathological findings were noted at the mean





		maximum achievable concentrations
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SECTION 12: ECOLOGICAL INFORMATION

SR NO	STUDY TYPE	VALUE/REMARKS
1	Acute Toxicity to Quail (LD ₅₀)	>2000 mg/kg b.w.

SECTION 13: DISPOSAL CONCERNS

13.1 Waste Disposal Method

Waste must be discarded keeping in mind whether the discarded material is classified as a hazardous waste or not. The local, regional and/or federal hazardous waste regulations to be consulted to ensure complete and accurate classification and disposal methodologies.

SECTION 14: TRANSPORTATION INFORMATION

14.1 DOT Classification	Not a DOT controlled material (USA)
14.2 Identification	Not applicable
14.3 Special Provision	Not available

SECTION 15: OTHER REGULATORY INFORMATION

15.1 Federal & State Regulations	} TSCA 8(b) inventory: Silicic acid
15.2 Other Regulations	
	OSHA: Hazardous by definition of Hazard





Communication Standard (29 CFR 1910. 1200).
EINECS: This product is on the European Inventory
of Existing Commercial Chemical Substance.

15.3 WHMIS (Canada)	Not controlled under WHMIS (Canada)
15.4 DSCL (EEC)	R23-Toxic by inhalation; R40-Possible risks of irreversible effects; S1/2-Keep under lock and key and out of reach of children; S36/37-Wear suitable protective clothing and gloves; S45-in case of accident or if you feel unwell, seek medical advice immediately (show the label to the physician)
15.5 HMIS (USA)	Health Hazard: 1; Fire Hazard: 0; Reactivity: 0; Personal Protection: E
15.6 National Fire Association Specific hazard	Health: 1; Flammability: 0; Reactivity: 0; Protection hazard: 0 (USA)
15.7 Protective Equipment	Gloves, overcoat, appropriately approved Respirator, Safety glasses, shoes.

SECTION 16: OTHER INFORMATION

16.1 Created by	Technical Department, ADASCA
16.2 Verified by	R&D Department, ADASCA
16.3 Finalized by	QA Department, ADASCA
16.4 Prepared on	01 February 2020
16.5 Revision Summary	The information shared in the current Document is prepared based on the current information available with us and is believed to be correct to the best of our knowledge. However, we make no warranty, express or implied, with respect to the information contained in this document. The information provided is intended only as a guidance



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