



MSDS IK-SILICATE SOLUTION

01.	Product Identification	Potassium Silicate Solution (IK - Silicate Solution)	
	Synonyms	Binder Liquid (Castable)	
	CAS No	Not Known	
	Molecular weight	Not known	
	Chemical Formula	Potassium Silicate Solution	
	Product code	IK – Silicate Solution	
02.	Composition/Information on Ingredients		
	Ingredients	CAS No.	Percent
	Water	Not known	57 %
	Potassium oxide	Not known	12.20 %
	Silicon Dioxide	Not known	25.50 %
03.	Hazardous Identification:		
	Health Rating	1. Not severe	
	Flammability rating	0- None	
	Reactivity	0- None	
	Contact rating	0- None	
	Protective equipment's	Personal protective equipments should be used	
	Storage Colour code	Not applicable.	
	Potential Health Effect		
	Inhalation	Irritating to respirity system.	
	Ingestion	Irritation to mouth, esophagus, and stomach .	
	Skin contact	Slightly irritation to the skin	
	Eye contact	May cause irritation with redness. Particles may cause injury to eye.	
04.	First Aid Measures		
	General Advice	Remove contaminated clothing and wash the affected area and treat as per the symptoms.	
	Inhalation	If symptomatic, move to fresh air. Get medical attention if symptoms persist.	
	Ingestion	If swallow DO NOT induce vomiting get medical attention immediately .If victim is fully conscious, give anything by mouth to an unconscious person.	
	Skin contact	Wash immediately with soap & water and treat as per the symptoms.	
	Eye contact	Wash eyes for at least 15 minutes under running water. Seek immediate medical attention.	
05.	Firefighting measures:		
	Flash point	This material is noncombustible	
	Suitable extinguishing media	This material is compatible with all extinguishing media	
	Protective of fire fighters	Use breathing apparatus & protective clothing.	
06.	Accidental Release Measures		
	Personal Precautions	Respiratory Protection safety goggles & plastic gloves. Do not let product enter arsine.	
	Environmental precautions	Contain with absorbent material and dispose as per the local	



	Method for cleaning up	regulations and flash the area thoroughly with water.
07.	Handling and Storage	
	Handling	Ensure thorough ventilation of stores and work area
	Storage	Keep tightly closed in dry and cool place
08	Exposure controls/Personal Protection	
	Airborne Exposure Limits	Not known.
	OSHA permissible Exposure Limit PEL	Not known.
	ACGHI Threshok Limit value TLV	Not known.
	Ventilation	System of local/or general exhaust is recommended to keep employee exposure within limit. If exposure limit exceeded, full face piece respirator with dust/mist filter may do worn.
	Personal Respirator (NIOSH Approved)	
	Skin Protection	Wear protective gloves and clean body covering cloth
	Eye Protection	Use Chemical Safety Goggles
09	Physical and chemical Properties	
	Form	Liquid (Thick)
	Color	Clear to Hazy white
	Odour	Odour less
	Solubility in water	Miscible
	Solubility in other solvents	Not known
	PH (25% solution in water)	10 to 11
10	Stability and Reactivity.	
	Stability	Stable
	Reactivity.	Gelation accure open to sky for longtime
11	Toxicological information	
	Oral Toxicity to Rats LD50	Not known
	Dermal Toxicity LD 60	Not known
	Skin irritation	Generally not irritation to skin
	Eye irritation.	Severe
12	Ecological information	Adopt good working practices, so that the product is not released into the environment. Persistency and degradability: no biological decomposition Environmental behavior: not assimilated. Eco toxicological effects: no toxicity
13	Disposal Consideration	Land filling approved area according to authorized procedure or incinerate in accordance with local regulation.
14	Transportation Information	This material is not regulated hazardous material for transportation.
15	Regulatory Information	
	Canadian WHMIS	This MSDS has been prepared in compliance with controlled Product Regulation except for the use of the 16 headings.
	Canadian WHMIS CLASS	Not Regulated
	DSL	The chemical substances in this product are listed on the domestic Substance List (DSL).



16	Other Information	This information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.
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