



Gujarat Alkalies and Chemicals Limited

(Promoted by Govt. of Gujarat)

Regd. Office & Works : P.O. Petrochemicals – 391 346, Dist. Vadodara (Guj.) INDIA

Phone.: + 91-265-2232681, 3061200, 6540463 Fax : +91-265-2232130, 2230031

Website : www.gacl.com

12/08/2021

Material Safety Data Sheet

Point no. 1	Chemical Product & Company Identification Product Name – Poly Aluminium Chloride 30 Solid Plant and Regd. Office: M/s. Gujarat Alkalies & Chemicals Limited. P.O. Petrochemicals-391 346, Dist. Vadodara, Gujarat - India Telephone No. 2232681, 2232981–82, 2232039 Fax No. 2232130 Dahej Works: PO: Dahej, Tal. Vagra, Dist.. Bharuch 392 130	
Point No. 2	Composition	
	Chemical Name:	Poly Aluminium Chloride
	Chemical Formula:	Aln(OH)m Cl ⁿ m
	CAS Number:	1327- 41.9
	EINCES Number	215 – 477-2
	Concentration (Al2O3)	30%
Point No. 3	Hazards Identification : See Section 15	
Point No. 4	First Aid Measures:	
	Eyes.	Wash immediately with lukewarm water during 15 minutes, keeping the eyelid wide open. Then wash with 2% solution of Sodium Bicarbonate. If irritation appears, consult a physician.
	Skin.	Wash the affected area with soap and water. If irritation appears, consult a physician.
	Ingestion.	If the affected person is conscious, give 2 or 3 glass of water, then induce vomiting. Consult a physician.
Point No. 5	Fire Fighting Measures Fire: If the product is affected by a fire, use water spray to fight thermal decomposition fumes.	
Point No. 6	Accidental Release Measures	
	a. Personnel Precautions	Avoid contact with the product.
	b. Environment Protection	The product is not a water streams contaminant.
	c. Clean-up Procedures	Fence the spill area. Mix with inert material and remove. Clean with plenty of water until complete remotion.
Point no. 7	Handling and Storage	
	7.1 Handling	Avoid contact with eyes and skin. Avoid ingestion. During product handling use adequate protection equipment (See Section-8)
	7.2 Storage	Store the product at room temperature in well ventilated areas. Keep the product in its original packaging.
	7.3 Materials to avoid	Ferrous Metals.
Point no. 8	Exposure Controls/Personal Protection	
	8.1 Individual Protection	
	Breathing	In areas not well ventilated, use adequate respiratory protection equipment.
	Hands.	Rubber Gloves.
	Eyes.	Safety Goggles. Do not wear contact lense.
	Skin and Body	Wear suitable protecting clothing.
	8.2 Hygienically Measures.	Do not eat, drink or smoke during product manipulation. Wash your hands after product handling. Handle the product accordingly to safety and industrial hygiene procedures.



Dahej Complex: P.O. Dahej – 392 130, Tal. Vagra, Dist. Bharuch (Gujarat) INDIA

Phone.: +91-2647-256315/6/7 Fax: +91-2641-256220



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Point No. 9	Physical and Chemical Properties		
	9.1	Appearance	: Powder
	9.2	Colour	: Yellow
	9.3	Odor	: Negligible
	9.4	Boiling Temperature	: N.D.
	9.5	Freezing point	: N.D.
	9.6	pH (10%)	: 1.5 – 2.5
	9.7	Flammability	: Not Flammable
	9.8	Explosivity	: Not Explosive
	9.9	Oxidant Properties	: Not Oxidant
	9.10	Relative density (gr/cm³ a 20^oC	: 0.6 – 0.8
9.11	Solubility in water (20^oC)	: 1500 Gr/Ltr.	
Point No.10	Stability and Reactivity		
	10.1	The Product is stable. Not hazardous polymerization reaction occurs, if the product is kept under its original conditions.	
Point No. 11	Toxicological Information		
	11.1	Collateral Effects. Conjunctivitis due to product hydrolysis is caused by contact with the mucose.	
	11.2	Local effects / Irritative Properties. Prolonged contact with skin caused mild irritation.	
	11.3	Sensitization. Such cases have not been reported.	
	11.4	Carcinogenicity. No data available.	
	11.5	Acute Toxicity. LD 50 (oral) > 14000 mg/kg (experimental)	
Point No. 12	Ecological Information.		
	12.1	Toxicity in Water: Fish: LC 50 / carassius auratus > 2.000 mg/lt.	
Point No. 13	Disposal Consideration.		
	13.1	Wastes / Unused Product. Disposal should be in accordance to local state or national legalisation.	
	13.2	Contaminated Packaging. Rinse with water and reuse it in the preparation of the product solution. Empty packaging can be incinerated if local regulations allow it.	
Point No. 14	Transport Information.		
	14.1	Natinal and International Transportation.	
		Railway Transportation	: ADR / RID
		Sea Transportation	: IMDG
		Air transportation	: ICAO / IATA
The product is considered NON HAZARDOUS according to international transport regulation.			



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Point No. 15	Regulatory Information		
	Risk Phrase	R36/38	Irritating for eyes and skin
	Safety Phrase	S7 / 8	Keep the product containers tightly closed
	without moisture	S 22	Avoid inhaling the dust
		S 24	Avoid contact with eyes and skin
		S 28	Wash immediately skin areas that have been in contact with the product.
	Risk Symbol	Xi	Irritant
Point No. 16	Other Information. Information obtained herein is based in our current knowledge at the date of issuing this Safety Data Sheet. This information is given solely as a guidance for the proper use of the product in operations of handling, storage, manufacturing, transporting, disposal, etc. And does not imply any warranty regarding the product's properties. Present information refers only to the product object of this MSDS and cannot, without manufacturer's specific indication, be applied to mixture with other substances or if it is used in other process than those for which it is intended.		



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