



The Worldwide Resource...

THE BTTCO OVERSEAS

A GOVT. OF INDIA RECOGNIZED *STAR EXPORT HOUSE*
A D&B CERTIFIED COMPANY - DUNS NUMBER: 87-229-6440

Material Safety Data Sheet Polyaluminium Chloride (PAC)

Section 1 - Chemical Product and Company Identification

Chemical Name : Polyaluminium Chloride

Company Identification : THE BTTCO OVERSEAS
6, Ashirvad Complex, Nr Sardar patel Seva Samaj Hall,
Navrangpura, Ahmedabad-380009, Gujarat, India

Company Phone Number : +91-79-26467891
Emergency Phone Number : +91-9426596891

Section 2 - Composition, Information on Ingredients

Chemical characterization:

CAS No. : 1327-41-9
Description : Aluminum chloride, basic

Identification number(s)

EINECS Number : 215-477-2

Additional information:

Molecular formula : $AlCl_3$
Molecular weight : 241.43

Section 3 - Hazards Identification

Classification of the substance or mixture

- Classification according to Regulation (EC) No 1272/2008 Void
- Classification according to Directive 67/548/EEC or Directive 1999/45/EC Not applicable.
- Information concerning particular hazards for human and environment: Not applicable.

Label elements : Labeling according to Regulation (EC) No 1272/2008
Hazard pictograms Void
Signal word Void
Hazard-determining components of labeling: Void
Hazard statements Void

Labeling according to EU guidelines

: The substance is not subject to classification according to EU lists and other sources of literature known to us. Observe the general safety regulations when handling chemicals.

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- General information** : No special measures required.
- Inhalation** : Remove person to non-contaminated air.
Get immediate medical attention.
- Skin contact** : Wash skin thoroughly with soap and water, remove contaminated clothing and footwear. Wash clothing before reuse.
Get medical attention if irritation should develop.
- Eye contact** : Immediately flush with plenty of water for at least 15 minutes, holding eyelids apart to ensure flushing of the entire surface. Washing within one minute is essential to achieve maximum effectiveness. See Medical Attention.
- Swallowing** : Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical help immediately. If possible give large amounts of water to drink. If vomiting should occur spontaneously, keep airway clear.
- Information for doctor** : Aluminum soluble salts may cause gastroenteritis if ingested. Treatment includes the use of demulcents. Note: Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

Section 5 - Fire Fighting Measures

- Suitable extinguishing agents** : Product does not burn. Use water to keep containers cool.
- Protective equipment** : Fire-fighters should wear full-face, self contained breathing apparatus and impervious protective clothing. Fire-fighters should avoid inhaling any combustion products.

Section 6 - Accidental Release Measures

- Person-related safety precautions** : Product is an irritant to eyes and a sensitizer to skin. Use all necessary means to clean up spill safely. Provide adequate ventilation to spill area. Appropriate breathing apparatus may be necessary.
- Measures for environmental Protection** : Do not allow to enter sewers/ surface or ground water.



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Measures for

cleaning/collecting

: Stop leaks. Clean up spill immediately. Build dikes as necessary to contain flow of large spills. Do not allow liquid to enter stream or waterways. For small spills, use soda ash to neutralize, and inert material to absorb, or wash product to a chemical sewer.

Additional information

: No dangerous substances are released.

Section 7 - Handling and Storage

Handling:

Information for safe handling

: Avoid contact with eyes, skin and clothing. Avoid breathing mists and sprays. Use adequate ventilation and employ respiratory protection where mist or spray may be generated. Wash thoroughly after handling. Do not take internally, May be harmful if swallowed or inhaled. Keep away from heat and open flame.

Information about fire - and explosion protection

: No special measures required.

Storage:

Requirements to be met by storerooms and receptacles

: Store in a cool dry place away from direct heat. Keep container tightly closed when not in use.

Information about storage in one common storage facility

: Store away from incompatible materials.

Further information about storage conditions

: DO not store in unlined metal containers.

Specific applications

: It is mainly used in the purification of the drinking water, industry water, oil field recycling water and various kinds of sewages.

Section 8 - Exposure Controls, Personal Protection

Additional information about

design of technical facilities : Provide adequate local exhaust ventilation to minimize worker exposure.

Ingredients with limit values that require monitoring at the workplace: Not required.

Additional information

: The lists valid during the making were used as basis.



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Personal protective equipment:

General protective and hygienic measures

: Avoid prolonged inhalation of heated vapors. Wear standard work clothing and work shoes. A safety shower and eyewash should be located in the immediate area.

Respiratory protection

: When exposures exceed the PEL, use NIOSH/MSHA approved respirator in accordance with OSHA Respiratory Protection Requirements under 29 CFR 1910.134.

Protection of hands

: Protective gloves
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Material of gloves

: The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Penetration time of glove material

: The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection

: Safety glasses with side shield.

Body protection

: Work clothing sufficient to prevent all skin contact should be worn, such as coveralls and long sleeves.

Section 9 - Physical and Chemical Properties

General Information Appearance:

Form : Clear Liquid / Powder
Colour : Colorless to light yellow & White.
Odour : No appreciable odor.

Change in condition

Melting point/Melting range : -20°C
Boiling point/Boiling range : 212-220 ° F
Flash point : Not applicable.
Danger of explosion : Product does not present an explosion hazard.
Vapour pressure at 20°C : 18 mmHg
Density : Not determined.
Solubility in / Miscibility with Water : Soluble.
pH-value at 20°C : 2.5-3.5
Additional information : Miscibility – miscible in water.

Section 10 - Stability and Reactivity

Thermal decomposition / conditions to be avoided

: Corrosive Liquid! Avoid storage in unlined metal containers.



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Product may slowly corrode iron, brass, copper, aluminum and mild Steel.

Materials to be avoided : Alkalis

Dangerous reactions : No dangerous reactions known.

Dangerous decomposition products : Thermal decomposition may release toxic and/or hazardous gases such as chlorine and hydrochloric acid.

Section 11 - Toxicological Information

Acute toxicity :
LD/LC50 values relevant for classification : Oral LD50 >2000 mg/kg (rat)

Primary irritant effect:
on the skin : May cause mild skin irritation.
on the eye : Irritating effect.

Sensitization : No sensitizing effects known.

Additional toxicological information : When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us. The substance is not subject to classification according to the latest version of the EU lists.

Acute effects (acute toxicity, irritation and corrosivity)

Skin : Dermatitis.

Eye : Irritation and burns.

Inhalation : Nose and respiratory irritation.

Ingestion : Toxic, nausea, vomiting, diarrhoea, burns to mucous membrane, liver and kidney damage.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Not listed as a carcinogen by ACGIH, IARC, NIOSH, NTP, OSHA, or CA Prop 65

Section 12 - Ecological Information

Environmental Fate : No information found.

Environmental Toxicity : No information found.

Section 13 - Disposal Considerations

Product : Recommendation



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Wastes must be tested using methods described in 40 CFR Part 261 to determine if it meets applicable definitions of hazardous waste.

Uncleaned packaging : Recommendation
Contain and collect using absorbent material if needed. Place collected material into properly labeled, suitable containers for proper disposal. Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

Section 14 - Transport Information

Land transport ADR/RID (cross-border)

ADR/RID class: -

Maritime transport IMDG:

IMDG Class: -

Marine pollutant: No

Air transport ICAO-TI and IATA-DGR:

ICAO/IATA Class: -

UN "Model Regulation": -

Section 15 - Regulatory Information

Chemical safety assessment : A Chemical Safety Assessment has not been carried out.

National regulations:

Other regulations, limitations and prohibitive regulations

Substances of very high concern (SVHC) according to REACH, Article 57

The substance is not listed as SVHC

Section 16 - Other information

Disclaimer

This information is provided for documentation purposes only. This product is not considered hazardous. The complete range of conditions or methods of use are beyond our control therefore we do not assume any responsibility and expressly disclaim any liability for any use of this product. Information contained herein is believed to be true and accurate however, all statements or suggestions are made without warranty, expressed or implied, regarding accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof. Compliance with all applicable federal, state, and local laws and local regulations remains the responsibility of the user. This safety sheet cannot cover all possible situations which the user may experience during processing. Each aspect of your operation should be examined to determine if, or where, additional precautions may be necessary. All health and safety information contained in this bulletin should be provided to your employees or customers.

Date: 01.04.2025

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