

PRODUCT STEWARDSHIP SUMMARY

Aluminum chloride, anhydrous sublimed



Chemical Name:	Aluminum chloride
Synonyms:	Aluminum trichloride
CAS Number:	7446-70-0
CAS Name:	Aluminum chloride
EC (EINECS) Number:	231-208-1
Last Revision Date:	February, 2019

- Aluminum chloride is used in various laboratory applications including as a catalyst in chemical reactions. This chemical also has industrial and manufacturing applications such as a catalyst for cracking petroleum, in preserving wood, and in medications, disinfectants, cosmetics and textiles.
- Exposure to aluminum chloride can occur in laboratories and industrial/manufacturing facilities where the chemical is used. Workers risk exposure primarily by inhalation and skin and eye contact. Good manufacturing and industrial hygiene practices should be followed to prevent or reduce contact. Workplace exposure limits for aluminum chloride have been established for use in worksite safety programs. See the Safety Data Sheet (SDS) for additional information. Users of products containing calcium chloride should follow manufacturer's use and/or label instructions.
- Aluminum chloride is yellowish solid with a stinging odor. The product is stable at recommended storage conditions but should be kept away from water as violent reactions may occur and corrosion of metal may take place. Although non-flammable, hazardous decomposition products such as chlorine and hydrogen chloride gas may be produced in a fire.
- Aluminum chloride is not highly toxic when ingested but can cause some harm. Inhalation of aluminum chloride can irritate the respiratory tract and may cause fluid to build up in the lungs (pulmonary edema). Repeated inhalation may cause scarring of the lungs. This chemical is very corrosive to skin and eyes resulting in skin burns and serious, potentially irreversible eye damage. It is not expected to cause allergic skin reactions.

- Aluminum chloride is not classified as a genotoxic or reproductive hazard.
- Aluminum chloride is not considered a known or anticipated carcinogen by OSHA, NTP or IARC.
- This substance has been determined to be harmful to aquatic organisms and may cause long lasting effects. Therefore, aluminum chloride should not be flushed into surface water or sanitary sewer system.
- Please **contact us** for more information. Additional information may also be found at the following links:

**New Jersey Department of Health—Hazardous Substance Fact Sheet—
Aluminum chloride**

TOXNET- HSDB: Aluminum Chloride

This product stewardship summary is intended to give general information about the chemical or categories of chemicals addressed. It is not intended to provide an in-depth discussion of all health and safety information. Additional information on the chemical is available through the applicable Material Safety Data Sheet which should be consulted before use of the chemical. The product stewardship summary does not supplant or replace required regulatory and/or legal communication documents. Statements concerning use of our products are made without warranty that any such use is free of patent infringement and are not recommendations to infringe any patent.