

PRODUCT STEWARDSHIP SUMMARY

Potassium tetrafluoroaluminate



Chemical Name:	Potassium tetrafluoroaluminate
Synonyms:	Aluminum potassium fluoride; Aluminiumkaliumfluorid; Potassium cryolite
CAS Number:	60304-36-1
CAS Name:	Aluminum potassium fluoride
EC (EINECS) Number:	262-153-1
Last Revision Date:	February 2019

- Potassium tetrafluoroaluminate is used in welding and soldering products.
- Exposure to potassium tetrafluoroaluminate primarily occurs in industrial/manufacturing facilities where the substance and products containing the substance are handled or used. Worker exposure is principally through inhalation and contact with the skin or eyes. Good manufacturing and industrial hygiene practices should be followed to prevent or reduce exposure. Workplace exposure limits for potassium tetrafluoroaluminate have been established for use in worksite safety programs. See the Safety Data Sheet (SDS) for additional information. Users of products containing potassium tetrafluoroaluminate should follow manufacturer's use and/or label instructions.
- Potassium tetrafluoroaluminate is a colorless, odorless powder. While stable under recommended storage conditions, hazardous decomposition products such as toxic metal oxide fumes and gaseous hydrogen fluoride may be released in a fire. Contact with strong acids can also liberate hydrogen fluoride.
- Although not highly toxic, potassium tetrafluoroaluminate can be harmful to the respiratory tract after short-term exposure if inhaled. Workers exposed to potassium tetrafluoroaluminate have reported coughing and/or a feeling of tightness across the chest. This response appears to be due to the irritating effects of potassium tetrafluoroaluminate rather than an allergic reaction. Potassium tetrafluoroaluminate may damage the respiratory tract with prolonged or repeated exposure. This product can cause serious eye irritation.

- Testing indicates that potassium tetrafluoroaluminate is not genotoxic.
- Chronic exposure to potassium tetrafluoroaluminate may cause fluorosis.
- Potassium tetrafluoroaluminate is not considered to pose a reproductive hazard to parents or cause birth defects.
- Potassium tetrafluoroaluminate can be harmful to some forms of aquatic life with long lasting effects.
- Please **contact us** for more information. Additional information may also be found at the following links:

European Chemicals Agency- Registration dossier- Aluminum potassium fluoride

European Chemicals Agency- Substance Information-Aluminum potassium fluoride

Consensus Report – Potassium Aluminum Fluoride (p.29)

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.