

PRODUCT STEWARDSHIP SUMMARY

Potassium hexafluorozirconate

F6Zr • 2K

Chemical Name:	Potassium hexafluorozirconate
Synonyms:	Dipotassium hexafluorozirconate, dipotassium zirconium hexafluoride, dipotassium hexafluorozirconiumdiuide, Zirconate(2-), hexafluoro-, dipotassium, (OC-6-11)-, Zirconium potassium fluoride
CAS Number:	16923-95-8
CAS Name:	Dipotassium hexafluorozirconate
EC (EINECS) Number:	240-985-6
Last Revision Date:	February 2019

- Potassium hexafluorozirconate is used for the production of metallic zirconium; as a grain refiner in magnesium and aluminum; in welding fluxes; as a catalyst; and in optical glass. Furthermore, it is used in industry for textile (wool) impregnation formulations to support flame retardant properties and as a component in detergent applications.
- Potassium hexafluorozirconate is primarily used by industrial and professional workers. Occupational exposure to this product can typically occur through inhalation of dust and dermal contact with this compound at workplaces where it is produced or used. For workers, good manufacturing and industrial hygiene practices should be followed to prevent or reduce exposure. Workplace exposure limits for potassium hexafluorozirconate have been established for use in worksite safety programs. See the Safety Data Sheet (SDS) for additional information. Users of products containing potassium hexafluorozirconate should follow manufacturer's use and/or label instructions.
- Potassium hexafluorozirconate is a colorless and odorless solid in crystal form. Potassium hexafluorozirconate is soluble in water, not flammable and stable under normal conditions. In contact with fire, potassium hexafluorozirconate decomposes to release hazardous substances as hydrogen fluoride and toxic metal oxide fumes.
- Potassium hexafluorozirconate is moderately toxic if swallowed. Effects from repeated and long-term exposures to this product are not known. Studies

in animals show only slight irritation following contact with the skin but this product can cause serious eye damage. Potassium hexafluorozirconate is not classified as a skin sensitizer.

- Exposure to potassium hexafluorozirconate may result in hypocalcemia, resulting in hyperactivity, muscle spasms, and muscle fatigue.
- There are no currently known reproductive, genotoxic, or carcinogenic hazards associated with potassium hexafluorozirconate. Potassium hexafluorozirconate is not identified as a known or anticipated carcinogen by NTP, IARC or OSHA.
- Potassium hexafluorozirconate may be toxic to some forms of aquatic life. It is an inorganic substance and, therefore, biodegradable data are not relevant.
- Please **contact us** for more information. Additional information may also be found at the following links:

European Chemicals Agency-Registration document – Dipotassium hexafluorozirconate

TOXNET – Zirconium potassium fluoride

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.