

## PRODUCT STEWARDSHIP SUMMARY

# Strontium hydroxide-8-hydrate pure



Chemical Name:	Strontium hydroxide-8-hydrate
Synonyms:	Strontium hydroxide octahydrate
CAS Number:	1311-10-0
CAS Name:	
EC (EINECS) Number:	620-683-4
Last Revision Date:	February 2019

- Strontium hydroxide is handled in both chemical and technical applications. It is used for chemical synthesis and as a source of strontium ions. Strontium hydroxide is also used in the sugar industry for purification. It exists in anhydrous, monohydrate and octahydrate forms.
- Exposure to this product can occur in facilities using this product in chemical processes and in food manufacturing plants with sugar applications. Inhalation of dusts and eye and skin contact are the primary routes of exposure. Risk of exposure is increased in work settings that have not implemented processes that reduce the formation of dust derived from this material. Good manufacturing and industrial hygiene practices should be followed to prevent or reduce exposure. See the Safety Data Sheet (SDS) for additional information.
- This product is a colorless and odorless solid. Even though this product is not flammable, hazardous decomposition such as toxic metal oxide fumes may be produced in a fire. Strontium hydroxide is a stable material when stored and handled under normal, recommended conditions. However, this product can corrode metal in the presence of atmospheric moisture and water.
- Strontium hydroxide has corrosive and destructive effects on the skin and eyes, resulting in severe burns to contacted tissue and mucous membranes. It can cause injury to the tissues of the eye including corneas that can be permanent. Strontium hydroxide can damage the respiratory tract in inhaled and the lining of the gastrointestinal tract is ingested.

- There are no currently no known reproductive, genotoxic, or carcinogenic hazards associated with this product and it is not identified as a known or anticipated carcinogen by the NTP, IARC or OSHA.
- The toxicity of this product to aquatic life is not known. While this product is not classified as toxic to the aquatic environment, users should prevent it from entering water sewer systems, lakes and rivers.
- Please **contact us** for more information. Additional information may also be found at the following links:

**National Institute of Health: PubChem: Strontium Hydroxide**

**Wikipedia: Strontium Hydroxide**

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.

