

Common Name: **TALC (NOT CONTAINING ASBESTOS FIBERS)**

Synonyms: Hydrous Magnesium Silicate; Steatite Talc

CAS No: 14807-96-6

Molecular Formula: $Mg_3H_2(SiO_3)_4$

RTK Substance No: 1773

Description: Odorless white to grayish-white, crystalline powder

HAZARD DATA

Hazard Rating	Firefighting	Reactivity
1 - Health 0 - Fire 0 - Reactivity DOT#: None ERG Guide #: None Hazard Class: None	Extinguish fire using an agent suitable for type of surrounding fire. Talc itself does not burn.	No incompatibilities or reactivities reported.

SPILL/LEAKS

Isolation Distance:

Spills: 25 meters (75 feet)

Moisten spilled material first or use a HEPA-filter vacuum for clean-up and place into sealed containers for disposal.

PHYSICAL PROPERTIES

Odor Threshold:	Odorless
Flash Point:	Nonflammable
Vapor Pressure:	0 mm Hg at 68°F (20°C)
Specific Gravity:	2.7 to 2.8 (water = 1)
Water Solubility:	Insoluble
Melting Point:	1,652°F (900°C) to 1,832°F (1,000°C)
Molecular Weight:	379.3

EXPOSURE LIMITS

OSHA: 20 mppcf, 8-hr TWA

NIOSH: 2 mg/m³, 10-hr TWA (*respirable dust*)

ACGIH: 2 mg/m³, 8-hr TWA (*respirable fraction*)

IDLH: 1,000 mg/m³

The Protective Action Criteria values are:

PAC-1 = 2 mg/m³

PAC-2 = 10 mg/m³

PAC-3 = 500 mg/m³

PROTECTIVE EQUIPMENT

Gloves:	Nitrile and Natural Rubber
Coveralls:	Tyvek®
Respirator:	>2 mg/m ³ - full facepiece APR with <i>High efficiency filters</i> >10 mg/m ³ - SCBA

HEALTH EFFECTS

Eyes: Irritation

Skin: Irritation and rash

Inhalation: Nose, throat and lung irritation, with coughing, wheezing and shortness of breath

FIRST AID AND DECONTAMINATION

Remove the person from exposure.

Flush eyes with large amounts of water for at least 15 minutes. Remove contact lenses if worn. Seek medical attention.

Remove contaminated clothing and wash contaminated skin with soap and water.

Begin artificial respiration if breathing has stopped and CPR if necessary.

Transfer promptly to a medical facility.