

SIGMA CHEMICAL COMPANY -- STRONTIUM CHLORIDE HEXAHYDRATE ACS REAGENT, --  
6810-00-569-6612

===== Product Identification =====

Product ID:STRONTIUM CHLORIDE HEXAHYDRATE ACS REAGENT,

MSDS Date:12/19/1988

FSC:6810

NIIN:00-569-6612

MSDS Number: BLPFP

=== Responsible Party ===

Company Name:SIGMA CHEMICAL COMPANY

Box:14508

City:ST. LOUIS

State:MO

ZIP:63178

Country:US

Info Phone Num:800-325-3010/FAX 800-3  
25-5052

Emergency Phone Num:314-771-5765

CAGE:21076

=== Contractor Identification ===

Company Name:SIGMA CHEMICAL COMPANY

Address:3050 SPRUCE ST

Box:14508

City:ST LOUIS

State:MO

ZIP:63178

Country:US

Phone:314-771-5765

CAGE:21076

===== Composition/Information on Ingredients =====

Ingred Name:STRONTIUM CHLORIDE, HEXAHYDRATE; (STRONTIUM CHLORIDE  
HEXAHYDRATE ACS REAGENT)

CAS:10025-70-4

RTECS #:WK8575000

===== Hazards Identification =====

LD

50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:MAY BE HARMFUL BY INHALATION,  
INGESTION, OR SKIN ABSORPTION. MAY CAUSE IRRITATION. EXPOSURE CAN  
CAUSE STOMACH PAINS, VOMITING AND DIARRHEA.

Explanation of Carcinogenicity:NOT RELEVANT.

Effects of Overexposure:SEE HEALTH HAZARDS.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

===

===== First Aid Measures =====

First Aid:INGEST:WASH OUT MOUTH WITH WATER IF PERSON IS CONSCIOUS. CALL  
MD. SKIN:FLUSH WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15  
MINUTES. REMOVE CONTAMIANATED CLOTHING AND SHOES AND CALL MD.  
EYE:FLUSH WITH C OPIOUS AMOUNTS OF WATER FOR AT LEAST 15MINUTES.  
ASSURE ADEQUATE FLUSHING BY SEPARATING THE EYELIDS WITH FINGERS.  
CALL MD. INHAL:REMOVE TO FRESH AIR. IF BREATHING BECOMES DIFFICULT,  
CALL MD.

=====

===== Fire Fighting Measures =====

Extinguishing Media:WATER SPRAY, CARBON DIOXIDE, DRY CHEMICAL POWDER,  
ALCOHOL OR POLYMER FOAM.

Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SCBA AND FULL  
PROTECTIVE EQUIPMENT .

Unusual Fire/Explosion Hazard:EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

===== Accidental Release Measures =====

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT. SWEEP UP, PLACE IN  
A BAG AND HOLD FOR WASTE DISPOS  
AL. AVOID RAISING DUST. VENTILATE

AREA AND WASH SPILL SITE AFTER MATERIAL PICK UP IS COMPLETE.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

===== Handling and Storage =====

Handling and Storage Precautions:NONE SPECIFIED BY MANUFACTURER.

Other Precautions:NONE SPECIFIED BY MANUFACTURER.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:WEAR APPROPRIATE NIOSH/MSHA APPROVED RESPIRATOR.

Ventilation:MECHANICAL

EXHAUST REQUIRED.

Protective Gloves:CHEMICAL RESISTANT GLOVES.

Eye Protection:CHEMICAL WORKERS GOGGLES .

Other Protective Equipment:PROTECTIVE CLOTHING.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

NONE SPECIFIED BY MANUFACTURER.

===== Physical/Chemical Properties =====

HCC:N1

Appearance and Odor:WHITE CRYSTALS

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

NO

NE SPECIFIED BY MANUFACTURER.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:TOXIC FUMES OF STRONTIUM OXIDE, HCL  
GAS.

===== Disposal Considerations =====

Waste Disposal Methods:DISSOLVE OR MIX THE MATERIAL WITH A COMBUSTIBLE  
SOLVENT AND BURN IN A CHEMICAL INCINERATOR EQUIPPED WITH AN  
AFTERBURNER AND SCRUBBER. OBSERVE ALL FEDERAL, STATE, AND LOCAL  
LAWS.

Disclaimer (provided with this information by  
the compiling agencies):

This information is formulated for use by elements of the Department  
of Defense. The United States of America in no manner whatsoever,  
expressly or implied, warrants this information to be accurate and  
disclaims all liability for its use. Any person utilizing this  
document should seek competent professional advice to verify and  
assume responsibility for the suitability of this information to their  
particular situation.