

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

**1.1 Product identifier**

- Trade name CRYOLITE, synth. powder
- Molecular formula  $3\text{NaF}\cdot\text{AlF}_3$

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

**Uses of the Substance / Mixture**

- Metallurgy.
- Glass industry
- Abrasive
- Fillers

**1.3 Details of the supplier of the safety data sheet**

**Company**

SOLVAY FLUORIDES, LLC  
3737 Buffalo Speedway,  
Suite 800,  
Houston, TX 77098  
USA  
Tel: 800-515-6065

**1.4 Emergency telephone**

FOR EMERGENCIES INVOLVING A SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT, CONTACT CHEMTREC (24-Hour Number): 800-424-9300 within the United States and Canada, or 703-527-3887 for international collect calls.

**SECTION 2: Hazards identification**

Although OSHA has not adopted the environmental portion of the GHS regulations, this document may include information on environmental effects.

**2.1 Classification of the substance or mixture**

**HCS 2012 (29 CFR 1910.1200)**

Acute toxicity, Category 4  
Effects on or via lactation  
Specific target organ toxicity - repeated exposure,  
Category 1

H332: Harmful if inhaled.  
H362: May cause harm to breast-fed children.  
H372: Causes damage to organs through prolonged or repeated exposure.

**2.2 Label elements**

**HCS 2012 (29 CFR 1910.1200)**

**Pictogram**



**Signal Word**

## CRYOLITE, synth. powder

Revision Date 10/14/2019

- Danger

**Hazard Statements**

- H332 Harmful if inhaled.
- H362 May cause harm to breast-fed children.
- H372 Causes damage to organs through prolonged or repeated exposure.

**Precautionary Statements**Prevention

- P201 Obtain special instructions before use.
- P260 Do not breathe dust/ fume/ gas/ mist/ vapors/ spray.
- P263 Avoid contact during pregnancy/ while nursing.
- P264 Wash skin thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P271 Use only outdoors or in a well-ventilated area.

Response

- P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
- P308 + P313 IF exposed or concerned: Get medical advice/ attention.

Disposal

- P501 Dispose of contents/ container to an approved waste disposal plant.

**2.3 Other hazards which do not result in classification**

- H401: Toxic to aquatic life.
- H411: Toxic to aquatic life with long lasting effects.
- Chronic exposure may entail dental or skeletal fluorosis

**SECTION 3: Composition/information on ingredients****3.1 Substance****Hazardous Ingredients and Impurities**

Chemical name	Identification number CAS-No.	Concentration [%]
Aluminate(3-), hexafluoro-, sodium (1:3), (OC-6-11)-	13775-53-6	>= 95 - <= 100

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

**3.2 Mixture**

- Not applicable, this product is a substance.

**SECTION 4: First aid measures****4.1 Description of first-aid measures****In case of inhalation**

- Move to fresh air.
- Oxygen or artificial respiration if needed.
- If symptoms persist, call a physician.

**In case of skin contact**

- Take off contaminated clothing and wash before reuse.

P00000019190

Version : 2.00 / US ( Z8 )

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- Wash off with plenty of water.
- If symptoms persist, call a physician.

**In case of eye contact**

- Rinse immediately with plenty of water and seek medical advice.

**In case of ingestion**

- Immediate medical attention is required.
- Take victim immediately to hospital.
- Rinse mouth with water.
- Do NOT induce vomiting.
- Artificial respiration and/or oxygen may be necessary.

**4.2 Most important symptoms and effects, both acute and delayed****In case of inhalation****Symptoms**

- Cough
- sore throat
- Nose bleeding
- At high concentrations:
- Chemical pneumonitis

**Effects**

- Irritating to mucous membranes
- Repeated or prolonged exposure***
- Risk of chronic bronchitis

**In case of skin contact****Effects**

- slight irritation

**In case of eye contact****Effects**

- slight irritation

**In case of ingestion****Symptoms**

- Nausea
- Vomiting
- Abdominal pain
- Diarrhea

**Effects**

- risk of hypocalcemia with nervous problems (tetany) and cardiac arrhythmia
- Liver injury may occur.

**4.3 Indication of any immediate medical attention and special treatment needed****Notes to physician**

- Immediate medical attention is required.
- Medical examination necessary even only on suspicion of intoxication.

**SECTION 5: Firefighting measures**

**Flash point** Not applicable, inorganic

**Autoignition temperature** Not applicable

**Flammability / Explosive limit** No data available

**5.1 Extinguishing media****Suitable extinguishing media**

- Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media**

- None known.

**5.2 Special hazards arising from the substance or mixture****Specific hazards during fire fighting**

- Not combustible.
- Hazardous decomposition products formed under fire conditions.

**Hazardous combustion products:**

- Hydrogen fluoride

**5.3 Advice for firefighters****Special protective equipment for fire-fighters**

- In the event of fire, wear self-contained breathing apparatus.
- Use personal protective equipment.
- Wear chemical resistant oversuit
- Cool containers/tanks with water spray.
- Prevent fire extinguishing water from contaminating surface water or the ground water system.

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures****Advice for non-emergency personnel**

- Keep people away from and upwind of spill/leak.
- Avoid dust formation.

**Advice for emergency responders**

- Wear self-contained breathing apparatus and protective suit.
- Sweep up to prevent slipping hazard.
- Prevent further leakage or spillage.

**6.2 Environmental precautions**

- Do not flush into surface water or sanitary sewer system.
- If the product contaminates rivers and lakes or drains inform respective authorities.

**6.3 Methods and materials for containment and cleaning up**

- Pick up and transfer to properly labeled containers.
- Keep in suitable, closed containers for disposal.

**6.4 Reference to other sections**

- Refer to protective measures listed in sections 7 and 8.

**SECTION 7: Handling and storage****7.1 Precautions for safe handling**

- Use only in well-ventilated areas.
- Keep away from heat and sources of ignition.
- Keep away from incompatible products

**Hygiene measures**

- Eye wash bottles or eye wash stations in compliance with applicable standards.
- When using do not eat, drink or smoke.
- Handle in accordance with good industrial hygiene and safety practice.
- Wash hands before breaks and at the end of workday.

**7.2 Conditions for safe storage, including any incompatibilities****Technical measures/Storage conditions**

- Store in original container.
- Keep in a dry place.
- Keep in properly labeled containers.
- Keep container closed.
  
- Keep away from:
- Incompatible products

**Packaging material****Suitable material**

- Paper.

**Unsuitable material**

- No data available

**7.3 Specific end use(s)**

- Contact your supplier for additional information

## CRYOLITE, synth. powder

Revision Date 10/14/2019

**SECTION 8: Exposure controls/personal protection**

Introductory Remarks: These recommendations provide general guidance for handling this product. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. Assistance with selection, use and maintenance of worker protection equipment is generally available from equipment manufacturers.

**8.1 Control parameters****Components with workplace occupational exposure limits**

Components	Value type	Value	Basis
Aluminate(3-), hexafluoro-, sodium (1:3), (OC-6-11)-	TWA	2.5 mg/m <sup>3</sup>	Occupational Safety and Health Administration - Table Z-1 Limits for Air Contaminants  CAS number varies with compound Expressed as :Fluorine
Aluminate(3-), hexafluoro-, sodium (1:3), (OC-6-11)-	TWA	2.5 mg/m <sup>3</sup>	American Conference of Governmental Industrial Hygienists  Expressed as :Fluorine
Aluminate(3-), hexafluoro-, sodium (1:3), (OC-6-11)-	TWA	1 mg/m <sup>3</sup>	American Conference of Governmental Industrial Hygienists  Form of exposure : Respirable fraction Expressed as :Aluminum
Aluminate(3-), hexafluoro-, sodium (1:3), (OC-6-11)-	TWA	2.5 mg/m <sup>3</sup>	National Institute for Occupational Safety and Health  Expressed as :Fluorine
Aluminate(3-), hexafluoro-, sodium (1:3), (OC-6-11)-	PEL	2.5 mg/m <sup>3</sup>	  Expressed as :Fluorine
Aluminate(3-), hexafluoro-, sodium (1:3), (OC-6-11)-	TWA	0.1 mg/m <sup>3</sup>	Solvay Acceptable Exposure Limit  Form of exposure : Respirable

**NIOSH IDLH (Immediately Dangerous to Life or Health Concentrations)**

Components	CAS-No.	Concentration
Aluminate(3-), hexafluoro-, sodium (1:3), (OC-6-11)-	13775-53-6	250 mg/m <sup>3</sup>

**Biological Exposure Indices**

Components	Value type	Value	Basis
Aluminate(3-), hexafluoro-, sodium (1:3), (OC-6-11)-	BEI	2 mg/l Fluoride Urine Prior to shift (16 hours after exposure ceases)	American Conference of Governmental Industrial Hygienists
Aluminate(3-), hexafluoro-, sodium (1:3), (OC-6-11)-	BEI	3 mg/l Fluoride Urine End of shift (As soon as possible after exposure ceases)	American Conference of Governmental Industrial Hygienists

P00000019190

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**8.2 Exposure controls****Control measures****Engineering measures**

- Provide appropriate exhaust ventilation at places where dust is formed.
- Apply technical measures to comply with the occupational exposure limits.

**Individual protection measures****Respiratory protection**

- In case of insufficient ventilation, wear suitable respiratory equipment.
- In case of emissions and dust clouds/fog/fumes, face mask with combined type E-P3 cartridge.
- Use only respiratory protection that conforms to international/ national standards.
- Use NIOSH approved respiratory protection.
- Comply with OSHA respiratory protection requirements.

**Hand protection**

- Impervious gloves

***Suitable material***

- Neoprene
- Fluoroelastomer

**Eye protection**

- Dust proof goggles obligatory.

**Skin and body protection**

- Dust impervious protective suit

**Hygiene measures**

- Eye wash bottles or eye wash stations in compliance with applicable standards.
- When using do not eat, drink or smoke.
- Handle in accordance with good industrial hygiene and safety practice.
- Wash hands before breaks and at the end of workday.

**SECTION 9: Physical and chemical properties**

Physical and Chemical properties here represent typical properties of this product. Contact the business area using the Product information phone number in Section 1 for its exact specifications.

**9.1 Information on basic physical and chemical properties****Appearance****Form:** powder, crystalline**Physical state:** solid**Color:** slightly coloured**Particle size:** 20.97 µm , d 90

9.78 µm , d 50

1.73 µm , d 10

**Odor**

odorless

## CRYOLITE, synth. powder

Revision Date 10/14/2019

<b><u>Odor Threshold</u></b>	No data available
<b><u>Molecular weight</u></b>	210 g/mol
<b><u>pH</u></b>	7.0 ( 0.42 g/l) ( 77 °F (25 °C))
<b><u>Melting point/freezing point</u></b>	<u>Melting point/range:</u> 1,848 - 1,854 °F (1,009 - 1,012 °C)
<b><u>Initial boiling point and boiling range</u></b>	<u>Boiling point/boiling range:</u> Not applicable
<b><u>Flash point</u></b>	Not applicable, inorganic
<b><u>Evaporation rate (Butylacetate = 1)</u></b>	No data available
<b><u>Flammability (solid, gas)</u></b>	The product is not flammable.
<b><u>Flammability / Explosive limit</u></b>	<u>Explosiveness:</u> Not explosive
<b><u>Autoignition temperature</u></b>	Not applicable
<b><u>Vapor pressure</u></b>	Not applicable
<b><u>Vapor density</u></b>	No data available
<b><u>Density</u></b>	<u>Bulk density:</u> 500 - 800 kg/m <sup>3</sup> ( 68 °F (20 °C))
<b><u>Relative density</u></b>	2.97 ( 68 °F (20 °C))
<b><u>Solubility</u></b>	<u>Water solubility:</u> ( 68 °F (20 °C))slightly soluble 0.602 g/l (pH: 5.5 - 7) 0.217 g/l (pH: 8.5 - 9)
<b><u>Partition coefficient: n-octanol/water</u></b>	Not applicable
<b><u>Decomposition temperature</u></b>	> 1,832 °F (> 1,000 °C)
<b><u>Viscosity</u></b>	<u>Viscosity, dynamic :</u> Not applicable
<b><u>Explosive properties</u></b>	No data available
<b><u>Oxidizing properties</u></b>	Not considered as oxidizing.

**9.2 Other information**

No data available

**SECTION 10: Stability and reactivity****10.1 Reactivity**

- No decomposition if used as directed.

**10.2 Chemical stability**

- Stable under recommended storage conditions.

**10.3 Possibility of hazardous reactions**

P00000019190

Version : 2.00 / US ( Z8 )

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## CRYOLITE, synth. powder

Revision Date 10/14/2019

- Decomposes by reaction with strong acids.
- Decomposes on heating.

**10.4 Conditions to avoid**

- none

**10.5 Incompatible materials**

- Strong acids and strong bases

**10.6 Hazardous decomposition products**

- Hydrogen fluoride

**SECTION 11: Toxicological information****11.1 Information on toxicological effects****Acute toxicity****Acute oral toxicity**

LD50 : > 5,000 mg/kg - Rat , male and female  
Method: OECD Test Guideline 401  
Not classified as hazardous for acute oral toxicity according to GHS.

**Acute inhalation toxicity**

LC50 - 4 h ( dust/mist ) : 4.47 mg/l - Rat , male and female  
Method: OECD Test Guideline 403  
This product is classified as acute toxicity category 4

**Acute dermal toxicity**

LD50 : > 2,100 mg/kg - Rabbit , male and female  
Method: OECD Test Guideline 402  
Not classified as hazardous for acute dermal toxicity according to GHS.

**Acute toxicity (other routes of administration)**

No data available

**Skin corrosion/irritation**

Rabbit  
No skin irritation

**Serious eye damage/eye irritation**

Rabbit  
No eye irritation

**Respiratory or skin sensitization**

Maximization Test - Guinea pig  
Does not cause skin sensitization.  
Method: OECD Test Guideline 406

**Mutagenicity****Genotoxicity in vitro**

**CRYOLITE, synth. powder**

Revision Date 10/14/2019

Ames test  
with and without metabolic activation

negative  
Method: OECD Test Guideline 471

unscheduled DNA synthesis assay  
Strain: rat hepatocytes  
with and without metabolic activation

negative  
Method: OECD Test Guideline 482

Chromosome aberration test in vitro  
Strain: Human lymphocytes  
with and without metabolic activation

negative  
Method: OECD Test Guideline 473

**Genotoxicity in vivo**

Chromosome aberration test in vivo - Rat  
male and female  
Inhalation  
Method: OECD Test Guideline 475

negative

**Carcinogenicity**

By analogy

Test substance: fluorides  
Animal testing did not show any carcinogenic effects.

This product does not contain any ingredient designated as probable or suspected human carcinogens by:

NTP  
IARC  
OSHA

**Toxicity for reproduction and development****Toxicity to reproduction / fertility**

Two-generation study - Rat, male and female, Oral  
Fertility NOAEL Parent: 128 mg/kg

**Developmental Toxicity/Teratogenicity**

Rat, Oral  
Teratogenicity NOAEL:42mg/kg

**STOT****STOT-single exposure**

No data available

**STOT-repeated exposure**

Routes of exposure: Inhalation, Ingestion  
The substance or mixture is classified as specific target organ toxicant, repeated exposure, category 1 according to GHS criteria.

## CRYOLITE, synth. powder

Revision Date 10/14/2019

Inhalation (aerosol) 90-day - Rat , male and female  
 NOAEC: 0.21 mg/m<sup>3</sup>  
 Target Organs: Respiratory Tract  
 Method: OECD Test Guideline 413

Oral 90-day - Rat , male and female  
 LOAEL: 3.8 mg/kg  
 Target Organs: Bone, Teeth  
 Unpublished reports

**Experience with human exposure**

No data available

**CMR effects****Reproductive toxicity**

Classified for effect on or via lactation according to GHS Criteria

**Aspiration toxicity**

No data available

**Further information**

No data available

**SECTION 12: Ecological information****12.1 Toxicity****Aquatic Compartment****Acute toxicity to fish**

LC50 - 96 h : 99 mg/l - Danio rerio (zebra fish)  
 static test  
 Analytical monitoring: yes

Method: OECD Test Guideline 203  
 Harmful to fish.

**Acute toxicity to daphnia and other aquatic invertebrates**

EC50 - 48 h : 156 mg/l - Daphnia magna (Water flea)  
 static test  
 Analytical monitoring: no  
 Method: OECD Test Guideline 202  
 Not harmful to aquatic invertebrates. (EC/EL50 > 100 mg/L)

**Toxicity to aquatic plants**

ErC50 - 72 h : 8.8 mg/l - Pseudokirchneriella subcapitata (green algae)  
 static test  
 Analytical monitoring: yes  
 Method: OECD Test Guideline 201  
 Toxic to algae.

NOEC - 72 h : 1 mg/l - Pseudokirchneriella subcapitata (green algae)  
 static test  
 Analytical monitoring: yes  
 Endpoint: Growth rate  
 Method: OECD Test Guideline 201  
 Toxic to algae with long lasting effects.

**Toxicity to microorganisms**

P00000019190

Version : 2.00 / US ( Z8 )

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## CRYOLITE, synth. powder

Revision Date 10/14/2019

EC50 - 3 h : > 160 mg/l - activated sludge  
static test  
Method: OECD Test Guideline 209

**Chronic toxicity to fish**

No data available

**Chronic toxicity to daphnia and other aquatic invertebrates**

No data available

**12.2 Persistence and degradability****Abiotic degradation****Stability in water**

acid/base equilibrium as a function of pH

,

complexation/precipitation of inorganic and organic materials

,

**Physical- and photo-chemical elimination**

No data available

**Biodegradation****Biodegradability**

The methods for determining biodegradability are not applicable to inorganic substances.

**12.3 Bioaccumulative potential****Partition coefficient: n-octanol/water**

Not applicable, inorganic substance

**Bioconcentration factor (BCF)**

Not applicable, inorganic substance

**12.4 Mobility in soil****Adsorption potential (Koc)**

Adsorption/Soil  
Log Koc: 3.18

Air  
mobility as solid aerosols

Water  
low solubility and mobility

Soil/sediments  
adsorption on mineral and organic soil constituents

**Known distribution to environmental compartments**

No data available

**12.5 Results of PBT and vPvB assessment**

Not applicable

**12.6 Other adverse effects****Ecotoxicity assessment**

P00000019190

Version : 2.00 / US ( Z8 )

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## CRYOLITE, synth. powder

Revision Date 10/14/2019

**Short-term (acute) aquatic hazard**

Toxic to aquatic life.

**Long-term (chronic) aquatic hazard**

Toxic to aquatic life with long lasting effects.

**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Product Disposal**

- Where possible recycling is preferred to disposal or incineration.
- In accordance with local and national regulations.

**Waste Code**

- Environmental Protection Agency
- Hazardous Waste – NO

**Advice on cleaning and disposal of packaging**

- Dispose of as unused product.

**SECTION 14: Transport information**

Transportation status: IMPORTANT! Statements below provide additional data on listed transport classification.

The listed Transportation Classification does not address regulatory variations due to changes in package size, mode of shipment or other regulatory descriptors.

**DOT**

<b>14.1 UN number</b>	UN 3077
<b>14.2 Proper shipping name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Trisodium hexafluoroaluminate.)
<b>14.3 Transport hazard class</b>	9
Label(s)	9
<b>14.4 Packing group</b>	III
Packing group	171
ERG No	
<b>14.5 Environmental hazards</b>	YES
<b>Marine pollutant</b>	Marine Pollutant

**TDG**

<b>14.1 UN number</b>	UN 3077
<b>14.2 Proper shipping name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Trisodium hexafluoroaluminate.)
<b>14.3 Transport hazard class</b>	9

P00000019190

Version : 2.00 / US ( Z8 )

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## CRYOLITE, synth. powder

Revision Date 10/14/2019

Label(s)	9
<b>14.4 Packing group</b>	
Packing group	III
ERG No	171
<b>14.5 Environmental hazards</b>	YES
<b>Marine pollutant</b>	Marine Pollutant

**NOM**

<b>14.1 UN number</b>	UN 3077
<b>14.2 Proper shipping name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Trisodium hexafluoroaluminate.)
<b>14.3 Transport hazard class</b>	9
Label(s)	9
<b>14.4 Packing group</b>	
Packing group	III
ERG No	171
<b>14.5 Environmental hazards</b>	YES
<b>Marine pollutant</b>	

**IMDG**

<b>14.1 UN number</b>	UN 3077
<b>14.2 Proper shipping name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Trisodium hexafluoroaluminate.)
IMDG Code segregation group	Not Relevant
<b>14.3 Transport hazard class</b>	9
Label(s)	9
<b>14.4 Packing group</b>	
Packing group	III
<b>14.5 Environmental hazards</b>	YES
<b>Marine pollutant</b>	
<b>14.6 Special precautions for user</b>	
EmS	F-A , S-F

For personal protection see section 8.

**14.7 Transport in bulk vessels according to IMO instruments**  
No data available

## CRYOLITE, synth. powder

Revision Date 10/14/2019

**IATA**

<b>14.1 UN number</b>	UN 3077
<b>14.2 Proper shipping name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Trisodium hexafluoroaluminate.)
<b>14.3 Transport hazard class</b>	9
Label(s):	9
<b>14.4 Packing group</b>	III
Packing instruction (cargo aircraft)	956
Max net qty / pkg	400.00 kg
Packing instruction (passenger aircraft)	956
Max net qty / pkg	400.00 kg
<b>14.5 Environmental hazards</b>	YES
<b>14.6 Special precautions for user</b>	
For personal protection see section 8.	

Note: The above regulatory prescriptions are those valid on the date of publication of this sheet. Given the possible evolution of transportation regulations for hazardous materials, it would be advisable to check their validity with your sales office.

## CRYOLITE, synth. powder

Revision Date 10/14/2019

**SECTION 15: Regulatory information****15.1 Notification status**

Inventory Information	Status
United States TSCA Inventory	- All substances listed as active on the TSCA inventory
Mexico INSQ (INSQ)	- One or more components not listed on inventory
Canadian Domestic Substances List (DSL)	- Listed on Inventory
Australia Inventory of Chemical Substances (AICS)	- Listed on Inventory
Japan. CSCL - Inventory of Existing and New Chemical Substances	- One or more components not listed on inventory
Korea. Korean Existing Chemicals Inventory (KECI)	- Listed on Inventory
China. Inventory of Existing Chemical Substances in China (IECSC)	- Listed on Inventory
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	- Listed on Inventory
Taiwan Chemical Substance Inventory (TCSI)	- Listed on Inventory
EU. European Registration, Evaluation, Authorisation and Restriction of Chemical (REACH)	- When purchased from a Solvay legal entity based in the EEA ("European Economic Area"), this product is compliant with the registration provisions of the REACH Regulation (EC) No. 1907/2006 as all its components are either excluded, exempt, and/or registered. When purchased from a legal entity outside of the EEA, please contact your local representative for additional information.
New Zealand. Inventory of Chemical Substances	- All components are listed on the NZIOC inventory. The HSNO status of the product has not been assessed.

**15.2 Federal Regulations****US. EPA EPCRA SARA Title III****SARA HAZARD DESIGNATION SECTIONS 311/312 (40 CFR 370)**

Acute toxicity (any route of exposure)	Yes
Reproductive toxicity	Yes
Specific target organ toxicity (single or repeated exposure)	Yes

The categories not mentioned are not relevant for the product.

**Section 313 Toxic Chemicals (40 CFR 372.65)**

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

P00000019190

Version : 2.00 / US ( Z8 )

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## CRYOLITE, synth. powder

Revision Date 10/14/2019

**Section 302 Emergency Planning Extremely Hazardous Substance Threshold Planning Quantity (40 CFR 355)**

This material does not contain any components with a section 302 EHS TPQ.

**Section 302 Emergency Planning Extremely Hazardous Substance Reportable Quantity (40 CFR 355)**

This material does not contain any components with a SARA 302 RQ.

**Section 304 Emergency Release Notification Reportable Quantity (40 CFR 355)**

This material does not contain any components with a section 304 EHS RQ.

**US. EPA CERCLA Hazardous Substances and Reportable Quantities (40 CFR 302.4)**

This material does not contain any components with a CERCLA RQ.

**15.3 State Regulations****US. California Safe Drinking Water & Toxic Enforcement Act (Proposition 65)**

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

**SECTION 16: Other information****NFPA (National Fire Protection Association) - Classification**

Health	1 slight
Flammability	1 slight
Instability or Reactivity	0 minimal
Special Notices	None

**HMIS (Hazardous Materials Identification System (Paint & Coating)) - Classification**

Health	0 minimal
Flammability	0 minimal
Reactivity	0 minimal
PPE	Determined by User; dependent on local conditions

**Further information**

- Product evaluated under the US GHS format.
- Distribute new edition to clients
- Update
- See section 2

**Date Prepared:** 10/14/2019

**Key or legend to abbreviations and acronyms used in the safety data sheet**

- PEL Permissible exposure limit
- TWA 8-hour, time-weighted average
- SAEL Solvay Acceptable Exposure Limit
- ACGIH American Conference of Governmental Industrial Hygienists
- OSHA Occupational Safety and Health Administration
- NTP National Toxicology Program
- IARC International Agency for Research on Cancer
- NIOSH National Institute for Occupational Safety and Health

**CRYOLITE, synth. powder**

Revision Date 10/14/2019

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. Such information is only given as a guidance to help the user handle, use, process, store, transport, dispose, and release the product in satisfactory safety conditions and is not to be considered as a warranty or quality specification. It should be used in conjunction with technical sheets but do not replace them. Thus, the information only relates to the designated specific product and may not be applicable if such product is used in combination with other materials or in any other manufacturing process, unless otherwise specifically indicated. It does not release the user from ensuring he is in conformity with all regulations linked to its activity.