

## Safety Data Sheet



### Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

#### 1.1 Product identifier

- Product Name** • Sodium iodide/Thallium Crystal
- Product Description** • Clear or slight yellow solid, no odor.

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

- Relevant identified use(s)** • Crystal for radiation detection

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

- Manufacturer** • Saint-Gobain Crystals  
17900 Great Lakes Parkway  
Hiram, OH 44234  
United States  
www.crystals.saint-gobain.com  
scintillation@saint-gobain.com
- Telephone (General)** • 440-834-5600

#### 1.4 Emergency telephone number

- Manufacturer** • 1-800-424-9300 - ChemTrec

### Section 2: Hazards Identification

#### EU/EEC

According to: Regulation (EC) No 1272/2008 (CLP)/REACH 1907/2006 [amended by 453/2010]

According to: EU Directive 67/548/EEC (DSD) or 1999/45/EC (DPD)

#### 2.1 Classification of the substance or mixture

- CLP**
- Skin Irritation 2 - H315
  - Skin Sensitization 1 - H317
  - Eye Irritation 2 - H319
  - Respiratory Sensitization 1 - H334
  - Reproductive Toxicity 1A - H360
  - Specific Target Organ Toxicity Repeated Exposure 1 - H372
- DSD/DPD**
- Harmful (Xn)
  - Irritant (Xi)
  - Substances Toxic To Reproduction - Category 1
  - R36/38, R42/43, R48/25, R61

#### 2.2 Label Elements

**CLP**

**DANGER**

- Hazard statements** • H315 - Causes skin irritation  
 H317 - May cause an allergic skin reaction  
 H319 - Causes serious eye irritation  
 H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled  
 H360 - May damage fertility or the unborn child.  
 H372 - Causes damage to organs - Thyroid through prolonged or repeated exposure

**Precautionary statements**

- Prevention** • P201 - Obtain special instructions before use.  
 P202 - Do not handle until all safety precautions have been read and understood.  
 P260 - Do not breathe dusts or mists.  
 P264 - Wash hands thoroughly after handling.  
 P270 - Do not eat, drink or smoke when using this product.  
 P272 - Contaminated work clothing should not be allowed out of the workplace.  
 P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
 P281 - Use personal protective equipment as required.  
 P285 - In case of inadequate ventilation wear respiratory protection.
- Response** • P304+P341 - IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.  
 P342+P311 - If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.  
 P302+P352 - IF ON SKIN: Wash with plenty of soap and water.  
 P321 - Specific treatment, see supplemental first aid information.  
 P362 - Take off contaminated clothing and wash before reuse.  
 P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.  
 P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P337+P313 - If eye irritation persists: Get medical advice/attention.  
 P308+P313 - IF exposed or concerned: Get medical advice/attention.  
 P314 - Get medical advice/attention if you feel unwell.
- Storage/Disposal** • P405 - Store locked up.  
 P501 - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

**DSD/DPD**

- Risk phrases** • R36/38 - Irritating to eyes and skin.  
 R42/43 - May cause sensitisation by inhalation and skin contact.  
 R48/25 - Toxic: danger of serious damage to health by prolonged exposure if swallowed.  
 R61 - May cause harm to the unborn child.
- Safety phrases** • S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
 S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).  
 S53 - Avoid exposure - obtain special instructions before use.

**2.3 Other Hazards**

- CLP**
- According to Regulation (EC) No. 1272/2008 (CLP) this material is considered hazardous.
- DSD/DPD**
- According to European Directive 1999/45/EC this preparation is considered dangerous.

**United States (US)**

## According to: OSHA 29 CFR 1910.1200 HCS

### 2.1 Classification of the substance or mixture

#### OSHA HCS 2012

- Skin Irritation 2
- Skin Sensitization 1
- Eye Irritation 2
- Respiratory Sensitization 1
- Reproductive Toxicity 1A
- Specific Target Organ Toxicity Repeated Exposure 1

### 2.2 Label elements

#### OSHA HCS 2012

#### DANGER



- Hazard statements**
- Causes skin irritation
  - May cause an allergic skin reaction
  - Causes serious eye irritation
  - May cause allergy or asthma symptoms or breathing difficulties if inhaled
  - May damage fertility or the unborn child.
  - Causes damage to organs - Thyroid through prolonged or repeated exposure

#### Precautionary statements

- Prevention**
- Obtain special instructions before use.
  - Do not handle until all safety precautions have been read and understood.
  - Do not breathe dusts or mists.
  - Wash hands thoroughly after handling.
  - Do not eat, drink or smoke when using this product.
  - Contaminated work clothing should not be allowed out of the workplace.
  - Wear protective gloves/protective clothing/eye protection/face protection.
  - In case of inadequate ventilation wear respiratory protection.
- Response**
- IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
  - If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
  - If on skin: Wash with plenty of water.
  - Specific treatment, see supplemental first aid information.
  - Take off contaminated clothing and wash before reuse.
  - If skin irritation or rash occurs: Get medical advice/attention.
  - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  - If eye irritation persists: Get medical advice/attention.
  - IF exposed or concerned: Get medical advice/attention.
  - Get medical advice/attention if you feel unwell.
- Storage/Disposal**
- Store locked up.
  - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

### 2.3 Other hazards

#### OSHA HCS 2012

- Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

### 2.4 Other information

- Due to formed nature of this product, exposure is not expected.

## Section 3 - Composition/Information on Ingredients

### 3.1 Substances

- Material does not meet the criteria of a substance in accordance with Regulation (EC) No 1272/2008.

### 3.2 Mixtures

Composition					
Chemical Name	Identifiers	%	LD50/LC50	Classifications According to Regulation/Directive	Comments
Sodium iodide	CAS:7681-82-5 EINECS:231-679-3	99% TO 100%	Ingestion/Oral-Rat LD50 • 4340 mg/kg	<b>EU DSD/DPD:</b> Self Classified - Xi R36/38. R42/43, Repr. 1, R61; Xn, R48/25 <b>EU CLP:</b> Self Classified - Skin Irrit. 2, H315; Eye Irrit. 2, H319; Repr. 1A, H360; STOT RE 1 (Thyroid), H372; Skin Sens. 1, H317; Resp. Sens. 1, H334 <b>OSHA HCS 2012:</b> Skin Irrit. 2; Eye Irrit. 2; Repr. 1A; STOT RE 1 (Thyroid); Skin Sens. 1; Resp. Sens. 1	NDA
Thallium iodide	CAS:7790-30-9 EINECS:232-199-7	< 1%	Ingestion/Oral-Rat LD50 • 24100 µg/kg	<b>EU DSD/DPD:</b> Annex VI, Table 3.2 - T+; R26/28 R33 N; R51-53 (Thallium Compounds) <b>EU CLP:</b> Annex VI, Table 3.1 - Acute Tox. 2 *, H330; Acute Tox. 2 *, H300; STOT RE 2 *, H373; Aquatic Chronic 2, H411; (As Thallium Compounds) <b>OSHA HCS 2012:</b> Acute Tox. 2 (Oral); STOT RE 1 (Liver, Kidney, Nervous system, Gastrointestinal system, Endocrine system)	NDA

## Section 4 - First Aid Measures

### 4.1 Description of first aid measures

- Inhalation**
- Move victim to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing.
- Skin**
- In case of contact with substance, immediately flush skin with running water for at least 20 minutes.
- Eye**
- In case of contact with substance, immediately flush eyes with running water for at least 20 minutes.
- Ingestion**
- If large quantities are swallowed, call a physician immediately.

### 4.2 Most important symptoms and effects, both acute and delayed

- Refer to Section 11 - Toxicological Information.

### 4.3 Indication of any immediate medical attention and special treatment needed

- Notes to Physician**
- All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

## Section 5 - Firefighting Measures

### 5.1 Extinguishing media

- Suitable Extinguishing Media**
- LARGE FIRE: Water spray, fog or regular foam.  
SMALL FIRES: Dry chemical, CO<sub>2</sub>, water spray or regular foam.

- Unsuitable Extinguishing Media**
- No data available.

### 5.2 Special hazards arising from the substance or mixture

- Unusual Fire and Explosion Hazards**
- Toxic and irritating gases/fumes may be given off during burning or thermal decomposition.
- Hazardous Combustion Products**
- No data available.

### 5.3 Advice for firefighters

- Structural firefighters' protective clothing will only provide limited protection. Wear positive pressure self-contained breathing apparatus (SCBA).

## Section 6 - Accidental Release Measures

### 6.1 Personal precautions, protective equipment and emergency procedures

- Personal Precautions**
- Do not walk through spilled material. Take proper precautions to minimize exposure by using appropriate personal protective equipment.
- Emergency Procedures**
- Keep unauthorized personnel away. Stay upwind.

### 6.2 Environmental precautions

- Avoid release to the environment.

### 6.3 Methods and material for containment and cleaning up

- Containment/Clean-up Measures**
- Pick up large pieces. Sweep, shovel or vacuum up spilled material and place in appropriate container.

### 6.4 Reference to other sections

- Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

## Section 7 - Handling and Storage

### 7.1 Precautions for safe handling

- Handling**
- Use good safety and industrial hygiene practices. Use only with adequate ventilation. Wear appropriate protective equipment including respiratory protection as conditions warrant. Avoid dust inhalation and contact with skin and eyes. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.

### 7.2 Conditions for safe storage, including any incompatibilities

- Storage**
- Store in a dry place. Keep container closed.

### 7.3 Specific end use(s)

- Refer to Section 1.2 - Relevant identified uses.

## Section 8 - Exposure Controls/Personal Protection

### 8.1 Control parameters

- Exposure Limits/Guidelines**
- No applicable exposure limits available for product or components.

### 8.2 Exposure controls

- Engineering Measures/Controls**
- Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

### Personal Protective Equipment

- Respiratory**
- In case of insufficient ventilation, wear suitable respiratory equipment.

- Eye/Face**
- Wear protective eyewear (goggles, face shield, or safety glasses).

- Skin/Body**
- Wear appropriate gloves.
- Environmental Exposure Controls**
- Controls should be engineered to prevent release to the environment, including procedures to prevent spills, atmospheric release and release to waterways. Follow best practice for site management and disposal of waste.

## Section 9 - Physical and Chemical Properties

### 9.1 Information on Basic Physical and Chemical Properties

Material Description			
Physical Form	Solid	Appearance/Description	Light yellow solid with no odor.
Color	Light yellow.	Odor	Odorless
Odor Threshold	Data lacking		
General Properties			
Boiling Point	1300 °C(2372 °F)	Melting Point/Freezing Point	661 °C(1221.8 °F)
Decomposition Temperature	Data lacking	pH	Data lacking
Specific Gravity/Relative Density	= 3.7 Water=1	Water Solubility	Soluble
Viscosity	Data lacking	Explosive Properties	Not explosive.
Oxidizing Properties:	Not an oxidizer.		
Volatility			
Vapor Pressure	Data lacking	Vapor Density	Data lacking
Evaporation Rate	Data lacking		
Flammability			
Flash Point	Data lacking	UEL	Data lacking
LEL	Data lacking	Autoignition	Data lacking
Flammability (solid, gas)	Not flammable.		
Environmental			
Octanol/Water Partition coefficient	Data lacking		

### 9.2 Other Information

- No additional physical and chemical parameters noted.

## Section 10: Stability and Reactivity

### 10.1 Reactivity

- No dangerous reaction known under conditions of normal use.

### 10.2 Chemical stability

- Stable

### 10.3 Possibility of hazardous reactions

- Hazardous polymerization will not occur.

### 10.4 Conditions to avoid

- Incompatible materials.

### 10.5 Incompatible materials

- Moisture, strong oxidants.

### 10.6 Hazardous decomposition products

- Sodium oxide, hydriodic acid, iodine.

## Section 11 - Toxicological Information

### 11.1 Information on toxicological effects

#### Other Material Information

- This material is a solid that does not release or otherwise result in exposure to chemical hazards under normal use. The information provided below is applicable in the event dusts or fumes are formed as a result of crushing, cutting, grinding, heating, etc.

Components		
Sodium iodide (99% TO 100%)	7681-82-5	<b>Acute Toxicity:</b> Ingestion/Oral-Rat LD50 • 4340 mg/kg; <b>Irritation:</b> Eye-Rabbit • 100 mg 24 Hour(s) • Moderate irritation; Skin-Rabbit • 500 mg 24 Hour(s) • Moderate irritation; <b>Reproductive:</b> Ingestion/Oral-Woman TDL0 • 9240 mg/kg (1-43W preg); <i>Reproductive Effects:Specific Developmental Abnormalities:Endocrine system; Reproductive Effects:Effects on Newborn:Other postnatal measures or effects</i>
Thallium iodide (< 1%)	7790-30-9	<b>Acute Toxicity:</b> Ingestion/Oral-Rat LD50 • 24100 µg/kg

GHS Properties	Classification
Acute toxicity	EU/CLP • Acute Toxicity - Dermal - Data lacking; Acute Toxicity - Inhalation - Data lacking; Acute Toxicity - Oral - Classification criteria not met OSHA HCS 2012 • Acute Toxicity - Dermal - Data lacking; Acute Toxicity - Inhalation - Data lacking; Acute Toxicity - Oral - Classification criteria not met
Skin corrosion/Irritation	EU/CLP • Skin Irritation 2 OSHA HCS 2012 • Skin Irritation 2
Serious eye damage/Irritation	EU/CLP • Eye Irritation 2 OSHA HCS 2012 • Eye Irritation 2
Skin sensitization	EU/CLP • Skin Sensitizer 1 OSHA HCS 2012 • Skin Sensitizer 1
Respiratory sensitization	EU/CLP • Respiratory Sensitizer 1 OSHA HCS 2012 • Respiratory Sensitizer 1
Aspiration Hazard	EU/CLP • Not relevant OSHA HCS 2012 • Not relevant
Carcinogenicity	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
Germ Cell Mutagenicity	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Toxicity for Reproduction	EU/CLP • Toxic to Reproduction 1A OSHA HCS 2012 • Toxic to Reproduction 1A
STOT-SE	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
STOT-RE	EU/CLP • Specific Target Organ Toxicity Repeated Exposure 1 OSHA HCS 2012 • Specific Target Organ Toxicity Repeated Exposure 1

#### Target Organs

- Thyroid

#### Route(s) of entry/exposure

- Inhalation, Skin, Eye, Ingestion

#### Potential Health Effects

##### Inhalation

##### Acute (Immediate)

- Processes such as cutting, grinding, crushing, or impact may result in generation of excessive amounts of airborne dusts in the workplace. Nuisance dust may affect the

- lungs but reactions are typically reversible.
- Chronic (Delayed)**
- May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- Skin**
- Acute (Immediate)**
- Causes skin irritation. May cause skin sensitization. Symptoms include redness, and skin rash.
- Chronic (Delayed)**
- No data available.
- Eye**
- Acute (Immediate)**
- Causes serious eye irritation.
- Chronic (Delayed)**
- No data available.
- Ingestion**
- Acute (Immediate)**
- Ingestion of Sodium iodide may have effects on the thyroid and may cause systemic sensitization. Symptoms of systemic sensitization may include airway obstruction and various skin reactions or even anaphylactic shock.
- Chronic (Delayed)**
- No data available.
- Reproductive Effects**
- The occasional use of iodides for asthma in pregnancy has resulted in fetal death, severe goiter and cretinoid appearance of the newborn.

## Section 12 - Ecological Information

### 12.1 Toxicity

- Material data lacking.

### 12.2 Persistence and degradability

- Material data lacking.

### 12.3 Bioaccumulative potential

- Material data lacking.

### 12.4 Mobility in Soil

- Material data lacking.

### 12.5 Results of PBT and vPvB assessment

- No PBT and vPvB assessment has been conducted.

### 12.6 Other adverse effects

- No studies have been found.

## Section 13 - Disposal Considerations

### 13.1 Waste treatment methods

- Product waste**
- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.
- Packaging waste**
- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

## Section 14 - Transport Information

	14.1 UN number	14.2 UN proper shipping name	14.3 Transport hazard class(es)	14.4 Packing group	14.5 Environmental hazards
DOT	NDA	Not regulated	NDA	NDA	NDA



<b>TDG</b>	NDA	Not regulated	NDA	NDA	NDA
<b>IMO/IMDG</b>	NDA	Not regulated	NDA	NDA	NDA
<b>IATA/ICAO</b>	NDA	Not regulated	NDA	NDA	NDA

**14.6 Special precautions for user** • None known.

**14.7 Transport in bulk according to Annex II of Marpol and the IBC Code** • Not relevant.

## Section 15 - Regulatory Information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

**SARA Hazard Classifications** • Acute, Chronic

State Right To Know				
Component	CAS	MA	NJ	PA
Sodium iodide	7681-82-5	No	No	No
Thallium iodide	7790-30-9	No	Yes	Yes

Inventory				
Component	CAS	EU EINECS	EU ELNICS	TSCA
Sodium iodide	7681-82-5	Yes	No	Yes
Thallium iodide	7790-30-9	Yes	No	Yes

## Europe

### Other

#### EU - CLP (1272/2008) - Annex VI - Table 3.2 - Classification

• Sodium iodide	7681-82-5	Not Listed
• Thallium iodide	7790-30-9	Not Listed
• Thallium iodide as Thallium compounds		T+; R26/28 R33 N; R51-53

#### EU - CLP (1272/2008) - Annex VI - Table 3.2 - Concentration Limits

• Sodium iodide	7681-82-5	Not Listed
• Thallium iodide	7790-30-9	Not Listed
• Thallium iodide as Thallium compounds		Not Listed

#### EU - CLP (1272/2008) - Annex VI - Table 3.2 - Labelling

• Sodium iodide	7681-82-5	Not Listed
• Thallium iodide	7790-30-9	Not Listed
• Thallium iodide as Thallium compounds		T+ N R:26/28-33-51/53 S:(1/2) -13-28-45-61 except those specified elsewhere in the annex

#### EU - CLP (1272/2008) - Annex VI - Table 3.2 - Notes - Substances and Preparations

• Sodium iodide	7681-82-5	Not Listed
• Thallium iodide	7790-30-9	Not Listed
• Thallium iodide as Thallium compounds		A (except those specified elsewhere in the annex)

#### EU - CLP (1272/2008) - Annex VI - Table 3.2 - Safety Phrases

• Sodium iodide	7681-82-5	Not Listed
• Thallium iodide	7790-30-9	Not Listed
• Thallium iodide as Thallium compounds		S:(1/2)-13-28-45-61 except those specified elsewhere in the annex

**EU - Hazardous Substances Restricted or Prohibited in Electrical Equipment (2011/65/EU) (RoHS)**

• Sodium iodide	7681-82-5	Not Listed
• Thallium iodide	7790-30-9	Not Listed
• Thallium iodide as Thallium compounds		Not Listed

**EU - Inventory of Cosmetic Ingredients Directive (INCI) (76/768/EEC) - Other Ingredients**

• Sodium iodide	7681-82-5	Antimicrobial
• Thallium iodide	7790-30-9	Not Listed
• Thallium iodide as Thallium compounds		Not Listed

**EU - Inventory of Cosmetic Ingredients Directive (INCI) (76/768/EEC) - Perfume and Aromatic Materials**

• Sodium iodide	7681-82-5	Not Listed
• Thallium iodide	7790-30-9	Not Listed
• Thallium iodide as Thallium compounds		Not Listed

**United States****Labor****U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals**

• Sodium iodide	7681-82-5	Not Listed
• Thallium iodide	7790-30-9	Not Listed
• Thallium iodide as Thallium compounds		Not Listed

**U.S. - OSHA - Specifically Regulated Chemicals**

• Sodium iodide	7681-82-5	Not Listed
• Thallium iodide	7790-30-9	Not Listed
• Thallium iodide as Thallium compounds		Not Listed

**Environment****U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants**

• Sodium iodide	7681-82-5	Not Listed
• Thallium iodide	7790-30-9	Not Listed
• Thallium iodide as Thallium compounds		Not Listed

**U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities**

• Sodium iodide	7681-82-5	Not Listed
• Thallium iodide	7790-30-9	Not Listed
• Thallium iodide as Thallium compounds		Not Listed

**U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities**

• Sodium iodide	7681-82-5	Not Listed
• Thallium iodide	7790-30-9	Not Listed
• Thallium iodide as Thallium compounds		Not Listed

**U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs**

• Sodium iodide	7681-82-5	Not Listed
• Thallium iodide	7790-30-9	Not Listed
• Thallium iodide as Thallium compounds		Not Listed

**U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs**

• Sodium iodide	7681-82-5	Not Listed
• Thallium iodide	7790-30-9	Not Listed
• Thallium iodide as Thallium compounds		Not Listed
<b>U.S. - CERCLA/SARA - Section 313 - Emission Reporting</b>		
• Sodium iodide	7681-82-5	Not Listed
• Thallium iodide	7790-30-9	Not Listed
• Thallium iodide as Thallium compounds		1.0 % de minimis concentration (Chemical Category N760)
<b>U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing</b>		
• Sodium iodide	7681-82-5	Not Listed
• Thallium iodide	7790-30-9	Not Listed
• Thallium iodide as Thallium compounds		Not Listed
<b>U.S. - CWA (Clean Water Act) - Hazardous Substances</b>		
• Sodium iodide	7681-82-5	Not Listed
• Thallium iodide	7790-30-9	Not Listed
• Thallium iodide as Thallium compounds		Not Listed
<b>U.S. - CWA (Clean Water Act) - Priority Pollutants</b>		
• Sodium iodide	7681-82-5	Not Listed
• Thallium iodide	7790-30-9	Not Listed
• Thallium iodide as Thallium compounds		Not Listed
<b>U.S. - CWA (Clean Water Act) - Reportable Quantities of Designated Hazardous Substances</b>		
• Sodium iodide	7681-82-5	Not Listed
• Thallium iodide	7790-30-9	Not Listed
• Thallium iodide as Thallium compounds		Not Listed
<b>U.S. - CWA (Clean Water Act) - Toxic Pollutants</b>		
• Sodium iodide	7681-82-5	Not Listed
• Thallium iodide	7790-30-9	Not Listed
• Thallium iodide as Thallium compounds		(including organic and inorganic compounds)
<b>U.S. - RCRA (Resource Conservation &amp; Recovery Act) - U Series Wastes - Acutely Toxic Wastes &amp; Other Hazardous Characteristics</b>		
• Sodium iodide	7681-82-5	Not Listed
• Thallium iodide	7790-30-9	Not Listed
• Thallium iodide as Thallium compounds		Not Listed

## United States - California

### Environment

#### U.S. - California - Proposition 65 - Carcinogens List

• Sodium iodide	7681-82-5	Not Listed
• Thallium iodide	7790-30-9	Not Listed
• Thallium iodide as Thallium compounds		Not Listed
<b>U.S. - California - Proposition 65 - Developmental Toxicity</b>		
• Sodium iodide	7681-82-5	Not Listed
• Thallium iodide	7790-30-9	Not Listed
• Thallium iodide as Thallium compounds		Not Listed
<b>U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)</b>		

• Sodium iodide	7681-82-5	Not Listed
• Thallium iodide	7790-30-9	Not Listed
• Thallium iodide as Thallium compounds		Not Listed

**U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)**

• Sodium iodide	7681-82-5	Not Listed
• Thallium iodide	7790-30-9	Not Listed
• Thallium iodide as Thallium compounds		Not Listed

**U.S. - California - Proposition 65 - Reproductive Toxicity - Female**

• Sodium iodide	7681-82-5	Not Listed
• Thallium iodide	7790-30-9	Not Listed
• Thallium iodide as Thallium compounds		Not Listed

**U.S. - California - Proposition 65 - Reproductive Toxicity - Male**

• Sodium iodide	7681-82-5	Not Listed
• Thallium iodide	7790-30-9	Not Listed
• Thallium iodide as Thallium compounds		Not Listed

**United States - Pennsylvania****Labor****U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List**

• Sodium iodide	7681-82-5	Not Listed
• Thallium iodide	7790-30-9	Not Listed
• Thallium iodide as Thallium compounds		

**U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances**

• Sodium iodide	7681-82-5	Not Listed
• Thallium iodide	7790-30-9	Not Listed
• Thallium iodide as Thallium compounds		Not Listed

**15.2 Chemical Safety Assessment**

- No Chemical Safety Assessment has been carried out.

**Section 16 - Other Information****Relevant Phrases (code & full text)**

- The full text for H and R phrases found in section 3 are listed below. These phrases are relevant to the thallium iodide component and not to the material as a whole.
  - H300 - Fatal if swallowed
  - H330 - Fatal if inhaled
  - H373 - May cause damage to organs through prolonged or repeated exposure.
  - H411 - Toxic to aquatic life with long lasting effects
  - R26/28 - Very toxic by inhalation and if swallowed.
  - R33 - Danger of cumulative effects.
  - R51 - Toxic to aquatic organisms.
  - R53 - May cause long-term adverse effects in the aquatic environment.

**Revision Date**

- 25/May/2017

**Preparation Date**

- 01/March/2007

**Disclaimer/Statement of Liability**

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**Key to abbreviations**

NDA = No data available