



## Safety Data Sheet

Classified According to OSHA Hazard Communication Standard (HCS)

### SECTION 1: Identification

#### 1.1. Product Identifier

**Trade Name or Designation:** VeriSpec<sup>®</sup> ICP-MS Internal Standard 8  
10 ppm: <sup>6</sup>Li, Sc, Ge, Rh, In, Tb, Lu, Bi

**Product Number:** RV010660

**Other Identifying Product Numbers:** RV010660-100N

#### 1.2. Recommended Use and Restrictions on Use

Calibration Standard

#### 1.3. Details of the Supplier of the Safety Data Sheet

**Company:** Ricca Chemical Company

**Address:** 448 West Fork Drive

Arlington, TX 76012 USA

**Telephone:** 888-467-4222

#### 1.4. Emergency Telephone Number (24 hours)

CHEMTREC (USA) 800-424-9300

CHEMTREC (International) 1+ 703-527-3887

# Safety Data Sheet

## SECTION 2: Hazard(s) Identification

### 2.1. Classification of the Substance or Mixture

For the full text of the Hazard and Precautionary Statements listed below, see Section 16.

Hazard Class	Category	Hazard Statements	Precautionary Statements:
Acute Toxicity - Inhalation	Category 1	H330	P260, P271, P285, P304+P340, P310, P320, P403+P233, P405, P501
Skin Corrosion / Irritation	Category 1	H314	P260, P264, P280, P301+P330+P331, P303+P361+P353, P363, P304+P340, P310, P321, P305+P351+P338, P405, P501
Eye Damage / Irritation	Category 1	H318	P280, P305+P351+P338, P310
Corrosive to Metals	Category 1	H290	P234, P390, P406
Hazardous to the Aquatic Environment (Acute)	Category 2	H401	P273, P501
Hazardous to the Aquatic Environment (Chronic)	Category 2	H411	P273, P391, P501

### 2.2. GHS Label Elements

Pictograms:



Signal Word: **Danger**

Hazard Statements:

Hazard Number	Hazard Statement
H290	May be corrosive to metals.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H330	Fatal if inhaled.
H401	Toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.

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**Precautionary Statements:**

Precautionary Number	Precautionary Statement
P234	Keep only in original container.
P260	Do not breathe fumes, mist, vapors, or spray.
P264	Wash arms, hands and face thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves and eye protection.
P285	In case of inadequate ventilation wear respiratory protection.
P301+P330+P331	IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER or physician.
P320	Specific treatment is urgent (Wash areas of contact with water immediately).
P321	Specific treatment (Wash areas of contact with water immediately).
P363	Wash contaminated clothing before reuse.
P390	Absorb spillage to prevent material damage.
P391	Collect spillage.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P406	Store in corrosive resistant container with a resistant inner liner.
P501	Dispose of contents in accordance with local, state, federal and international regulations.

**2.4. Hazards not Otherwise Classified or Covered by GHS**

Data not available.

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## SECTION 3: Composition / Information on Ingredients

### 3.1. Components of Substance or Mixture

Chemical Name	Formula	Molecular Weight	CAS Number	Weight%
Nitric Acid	HNO <sub>3</sub>	63.01 g/mol	7697-37-2	10.00
Water	H <sub>2</sub> O	18.01 g/mol	7732-18-5	0.90
Hydrochloric Acid	HCl	36.46 g/mol	7647-01-0	0.20
Lithium Nitrate	LiNO <sub>3</sub>	68.94 g/mol	7790-69-4	< 0.1
Ammonium Thiocyanate	NH <sub>4</sub> SCN	76.12 g/mol	1762-95-4	< 0.1
Indium (III) Nitrate Hydrate	In(NO <sub>3</sub> ) <sub>3</sub> ·xH <sub>2</sub> O	'mol (anhydrous basis)	13465-14-0	< 0.1
Terbium(III) Nitrate Pentahydrate	Tb(NO <sub>3</sub> ) <sub>3</sub> ·5H <sub>2</sub> O	435.02 g/mol	57584-27-7	< 0.1
Lutetium Nitrate	Lu(NO <sub>3</sub> ) <sub>3</sub>	360.98 g/mol	10099-67-9	< 0.1
Rhodium (III) Chloride	RhCl <sub>3</sub>	209.26 g/mol	10049-07-7	< 0.1
Bismuth (III) Nitrate Pentahydrate	Bi(NO <sub>3</sub> ) <sub>3</sub> ·5H <sub>2</sub> O	485.07 g/mol	10035-06-0	< 0.1
Germanium Oxide	GeO <sub>2</sub>	104.63 g/mol	1310-53-8	< 0.1

## SECTION 4: First-Aid Measures

### 4.1. General First Aid Information

**Eye Contact:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Inhalation:** IF INHALED: Remove person to fresh air and keep comfortable for breathing.

**Skin Contact:** IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.

**Ingestion:** IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

### 4.2. Most Important Symptoms and Effects, Acute and Delayed

Causes severe skin burns and eye damage. Causes serious eye damage. Fatal if inhaled.

### 4.3. Medical Attention or Special Treatment Needed

Immediately call a POISON CENTER or physician. Specific treatment is urgent (Wash areas of contact with water immediately). Specific treatment (Wash areas of contact with water immediately).

## SECTION 5: Fire-Fighting Measures

### 5.1. Extinguishing Media

Not considered to be a fire or explosion hazard.



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### 5.2. Specific Hazards Arising from the Substance or Mixture

Not considered to be a fire or explosion hazard.

### 5.3. Special Protective Equipment for Firefighters

Wear protective clothing and NIOSH-approved breathing equipment appropriate for the surrounding fire.

## SECTION 6: Accidental Release Measures

### 6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Wear protective gloves and eye protection. In case of inadequate ventilation wear respiratory protection.

### 6.2. Cleanup and Containment Methods and Materials

Absorb with suitable material and dispose of in accordance with local regulations.

## SECTION 7: Handling and Storage

### 7.1. Precautions for Safe Handling and Storage Conditions

Store in corrosive resistant container with a resistant inner liner.

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### SECTION 8: Exposure Controls / Personal Protection

#### 8.1 Control Parameters

Chemical Name	Limit Type	Country	Exposure Limit	Information Source
Rhodium (III) Chloride (10049-07-7)	TLV-TWA	USA	"1 mg/m <sup>3</sup> TWA (as Rh)" As Rhodium insoluble compounds [RR-00047-5]	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)
Rhodium (III) Chloride (10049-07-7)	TWA	USA	"0.1 mg/m <sup>3</sup> TWA (as Rh)" As Rhodium, insoluble compounds [RR-00047-5]	U.S. - OSHA - Final PELs - Time Weighted Averages (TWAs)
Rhodium (III) Chloride (10049-07-7)	TLV-TWA	USA	1 mg/m <sup>3</sup> TWA (as Rh)	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)
Rhodium (III) Chloride (10049-07-7)	TWA	USA	0.1 mg/m <sup>3</sup> TWA (as Rh)	U.S. - OSHA - Final PELs - Time Weighted Averages (TWAs)
Indium (III) Nitrate Hydrate (13465-14-)	TLV-TWA	USA	"0.1 mg/m <sup>3</sup> TWA (as In)" As Indium compounds [RR-00600-8]	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)
Indium (III) Nitrate Hydrate (13465-14-)	TLV-TWA	USA	"0.1 mg/m <sup>3</sup> TWA (as In)" As Indium compounds [RR-00600-8]	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)
Indium (III) Nitrate Hydrate (13465-14-)	TLV-TWA	USA	0.1 mg/m <sup>3</sup> TWA (as In)	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)
Indium (III) Nitrate Hydrate (13465-14-)	TLV-TWA	USA	"0.1 mg/m <sup>3</sup> TWA (as In)" As Indium compounds [RR-00600-8]	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)
Ammonium Thiocyanate (1762-95-4)	TWA	USA	"5 mg/m <sup>3</sup> TWA (as CN)" As Cyanides [RR-00812-8]	U.S. - OSHA - Final PELs - Time Weighted Averages (TWAs)
Ammonium Thiocyanate (1762-95-4)	TWA	USA	5 mg/m <sup>3</sup> TWA (as CN)	U.S. - OSHA - Final PELs - Time Weighted Averages (TWAs)
Hydrochloric Acid (7647-01-0)	TLV-Ceiling	USA	2 ppm Ceiling	ACGIH - Threshold Limit Values - Ceilings (TLV-C)
Hydrochloric Acid (7647-01-0)	PEL-Ceiling	USA	5 ppm Ceiling; 7 mg/m <sup>3</sup> Ceiling	U.S. - OSHA - Final PELs - Ceiling Limits
Nitric Acid (7697-37-2)	TWA	USA	2 ppm TWA; 5 mg/m <sup>3</sup> TWA	U.S. - OSHA - Final PELs - Time Weighted Averages (TWAs)
Nitric Acid (7697-37-2)	TLV-TWA	USA	2 ppm TWA	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)



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Nitric Acid (7697-37-2)	TLV-STEL	USA	4 ppm STEL	ACGIH - Threshold Limit Values - Short Term Exposure Limits (TLV-STEL)
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### 8.2. Exposure Controls

**Engineering Controls:** Use only outdoors or in a well-ventilated area.

**Respiratory Protection:** In case of inadequate ventilation wear respiratory protection.

**Skin Protection:** Wear protective gloves and eye protection.

**Eye Protection:** Wear protective gloves and eye protection.

### 8.3. Personal Protective Equipment

Wear protective gloves and eye protection. In case of inadequate ventilation wear respiratory protection.

## SECTION 9: Physical and Chemical Properties

### 9.1. Basic Physical and Chemical Properties

**Appearance:** Data not available.

**Physical State:** Liquid

**Odor:** Data not available.

**Odor Threshold:** Data not available.

**pH:** Data not available.

**Melting/Freezing Point:** Data not available.

**Initial Boiling Point/Range:** Data not available.

**Flash Point:** Data not available.

**Evaporation Rate:** Data not available.

**Flammability:** Data not available.

**Flammability/Explosive Limits:** Data not available.

**Vapor Pressure:** Data not available.

**Vapor Density:** Data not available.

**Relative Density:** 1.06

**Solubility:** Data not available.

**Partition Coefficient:** Data not available.

**Auto-Ignition Temperature:** Data not available.

**Decomposition Temperature:** Data not available.

**Viscosity:** Data not available.

**Explosive Properties:** Data not available.

**Oxidizing Properties:** Data not available.



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### SECTION 10: Stability and Reactivity

#### 10.1. Reactivity and Chemical Stability

Stable under normal conditions of use and storage.

#### 10.2. Possibility of Hazardous Reactions

Data not available.

#### 10.3. Conditions to Avoid and Incompatible Materials

Keep only in original container.

#### 10.4. Hazardous Decomposition Products

May emit irritating fumes when heated to decomposition.

### SECTION 11: Toxicological Information

#### 11.1. Information on Toxicological Effects

##### Acute Toxicity - Oral Exposure:

Not applicable.

##### Acute Toxicity - Dermal Exposure:

Not applicable.

##### Acute Toxicity - Inhalation Exposure:

Fatal if inhaled. Do not breathe fumes, mist, vapors, or spray. Use only outdoors or in a well-ventilated area. In case of inadequate ventilation wear respiratory protection. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or physician. Specific treatment is urgent (Wash areas of contact with water immediately). Store in a well-ventilated place. Keep container tightly closed. Store locked up. Dispose of contents in accordance with local, state, federal and international regulations.

##### Acute Toxicity - Other Information:

Data not available.

##### Skin Corrosion and Irritation:

Causes severe skin burns and eye damage. Do not breathe fumes, mist, vapors, or spray. Wash arms, hands and face thoroughly after handling. Wear protective gloves and eye protection. IF SWALLOWED: rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or physician. Specific treatment (Wash areas of contact with water immediately). IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Store locked up. Dispose of contents in accordance with local, state, federal and international regulations.

##### Serious Eye Damage and Irritation:

Causes serious eye damage. Wear protective gloves and eye protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or physician.

##### Respiratory Sensitization:

Not applicable.





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**Skin Sensitization:**

Not applicable.

**Germ Cell Mutagenicity:**

Not applicable.

**Carcinogenicity:**

Not applicable.

**Reproductive Toxicity:**

Not applicable.

**Specific Target Organ Toxicity from Single Exposure:**

Not applicable.

**Specific Target Organ Toxicity from Repeated Exposure:**

Not applicable.

**Aspiration Hazard:**

Not applicable.

**Additional Toxicology Information:**

Data not available.

### SECTION 12: Ecological Information

#### 12.1. Ecotoxicity

Toxic to aquatic life. Avoid release to the environment. Dispose of contents in accordance with local, state, federal and international regulations.  
Toxic to aquatic life with long lasting effects. Avoid release to the environment. Collect spillage. Dispose of contents in accordance with local, state, federal and international regulations.

#### 12.2. Persistence and Degradability

Data not available.

#### 12.3. Bioaccumulative Potential

Data not available.

#### 12.4. Mobility in Soil

Data not available.

#### 12.5. Other Adverse Ecological Effects

Data not available.

### SECTION 13: Disposal Considerations

#### 13.1. Waste Treatment Methods

Data not available.

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### SECTION 14: Transportation Information

#### 14.1. Transportation by Land-Department of Transportation (DOT, United States of America)

**Sizes:** 100 mL

**UN Number:** UN2031

**Proper Shipping Name:** Nitric Acid Solution

**Hazard Class:** 8

**Packing Group:** II

**Hazard Label(s):**



#### 14.2. Transportation by Air - International Air Transport Association (IATA)

**Sizes:** 100 mL

**UN Number:** UN2031

**Proper Shipping Name:** Nitric Acid Solution

**Hazard Class:** 8

**Packing Group:** II

**Hazard Label(s):**



#### 14.3 Transportation of Dangerous Goods (TDG, Canada)

**Sizes:** 100 mL

**UN Number:** UN2031

**Proper Shipping Name:** NITRIC ACID SOLUTION

**Hazard Class:** 8

**Packing Group:** II

**Hazard Label(s):**



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## SECTION 15: Regulatory Information

### 15.1. Occupational Safety and Health Administration (OSHA) Hazards

Not listed.

### 15.2. Superfund Amendments and Reauthorization Act (SARA) 302 Extremely Hazardous Substances

Hydrochloric Acid (CAS # 7647-01-0): 500 lb TPQ (gas only)

Hydrochloric Acid (CAS # 7647-01-0): 5000 lb EPCRA RQ (gas only)

Nitric Acid (CAS # 7697-37-2): 1000 lb EPCRA RQ

Nitric Acid (CAS # 7697-37-2): 1000 lb TPQ

### 15.3. Superfund Amendments and Reauthorization Act (SARA) 311/312 Hazardous Chemicals

Ammonium Thiocyanate (CAS # 1762-95-4): 5000 lb final RQ; 2270 kg final RQ

Hydrochloric Acid (CAS # 7647-01-0): 5000 lb final RQ; 2270 kg final RQ

Nitric Acid (CAS # 7697-37-2): 1000 lb final RQ; 454 kg final RQ

### 15.4. Superfund Amendments and Reauthorization Act (SARA) 313 Toxic Release Inventory (TRI)

Indium (III) Nitrate Hydrate (CAS # 13465-14-0): "1.0 % de minimis concentration (reportable only when in aqueous solution, listed under Chemical Category N511)" As Nitrate compounds, water dissociable [RR-03804-0]

Ammonium Thiocyanate (CAS # 1762-95-4): "1.0 % de minimis concentration (X+CN<sup>-</sup> where X=H<sup>+</sup> or any other group where a formal dissociation can be made, for example, KCN or Ca(CN)<sub>2</sub>, listed under Chemical Category N106)" As Cyanide compounds [RR-00812-8];

"1.0 % de minimis concentration (10% of total aqueous Ammonia is reportable under this listing)" As Aqueous ammonia from water dissociable ammonium salts and other sources [RR-47925-4]

Ammonium Thiocyanate (CAS # 1762-95-4): 1.0 % de minimis concentration (10% of total aqueous Ammonia is reportable under this listing)

Ammonium Thiocyanate (CAS # 1762-95-4): 1.0 % de minimis concentration (X+CN<sup>-</sup> where X=H<sup>+</sup> or any other group where a formal dissociation can be made, for example, KCN or Ca(CN)<sub>2</sub>, listed under Chemical Category N106)

Hydrochloric Acid (CAS # 7647-01-0): 1.0 % de minimis concentration (acid aerosols including mists, vapors, gas, fog, and other airborne forms of any particle size)

Nitric Acid (CAS # 7697-37-2): 1.0 % de minimis concentration

Lithium Nitrate (CAS # 7790-69-4): "1.0 % de minimis concentration (reportable only when in aqueous solution, listed under Chemical Category N511)" As Nitrate compounds, water dissociable [RR-03804-0]

Lithium Nitrate (CAS # 7790-69-4): 1.0 % de minimis concentration (reportable only when in aqueous solution, listed under Chemical Category N511)

### 15.5. Massachusetts Right-to-Know Substance List

Rhodium (III) Chloride (CAS # 10049-07-7): Present

Ammonium Thiocyanate (CAS # 1762-95-4): Present

Hydrochloric Acid (CAS # 7647-01-0): Extraordinarily hazardous

Nitric Acid (CAS # 7697-37-2): Extraordinarily hazardous

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### 15.6. Pennsylvania Right-to-Know Hazardous Substances

Ammonium Thiocyanate (CAS # 1762-95-4): Environmental hazard  
Ammonium Thiocyanate (CAS # 1762-95-4): Present  
Hydrochloric Acid (CAS # 7647-01-0): Environmental hazard  
Hydrochloric Acid (CAS # 7647-01-0): Present  
Nitric Acid (CAS # 7697-37-2): Environmental hazard  
Nitric Acid (CAS # 7697-37-2): Present  
Water (CAS # 7732-18-5): "Present" As Ethyl alcohol and water [RR-00802-6]  
Water (CAS # 7732-18-5): Present

### 15.7. New Jersey Worker and Community Right-to-Know Components

Bismuth (III) Nitrate Pentahydrate (CAS # 10035-06-0): "SN 3722 500 lb TPQ (water dissociable, Category Code N511)" As Nitrate compounds [RR-01770-9]  
Bismuth (III) Nitrate Pentahydrate (CAS # 10035-06-0): "sn 3722" As Nitrate compounds [RR-01770-9]  
Bismuth (III) Nitrate Pentahydrate (CAS # 10035-06-0): sn 3722  
Bismuth (III) Nitrate Pentahydrate (CAS # 10035-06-0): SN 3722 500 lb TPQ (water dissociable, Category Code N511)  
Lutetium Nitrate (CAS # 10099-67-9): "SN 3722 500 lb TPQ (water dissociable, Category Code N511)" As Nitrate compounds [RR-01770-9]  
Lutetium Nitrate (CAS # 10099-67-9): "sn 3722" As Nitrate compounds [RR-01770-9]  
Lutetium Nitrate (CAS # 10099-67-9): sn 3722  
Lutetium Nitrate (CAS # 10099-67-9): SN 3722 500 lb TPQ (water dissociable, Category Code N511)  
Indium (III) Nitrate Hydrate (CAS # 13465-14-0): "SN 3722 500 lb TPQ (water dissociable, Category Code N511)" As Nitrate compounds [RR-01770-9]  
Indium (III) Nitrate Hydrate (CAS # 13465-14-0): "sn 3722" As Nitrate compounds [RR-01770-9]  
Indium (III) Nitrate Hydrate (CAS # 13465-14-0): sn 3722  
Indium (III) Nitrate Hydrate (CAS # 13465-14-0): SN 3722 500 lb TPQ (water dissociable, Category Code N511)  
Ammonium Thiocyanate (CAS # 1762-95-4): "SN 2308 500 lb TPQ (Category Code N106. Includes any unique chemical substance that contains the named metal as part of that chemical structure)" As Cyanide compounds [RR-00812-8]  
Ammonium Thiocyanate (CAS # 1762-95-4): sn 0119  
Ammonium Thiocyanate (CAS # 1762-95-4): sn 2308  
Ammonium Thiocyanate (CAS # 1762-95-4): SN 2308 500 lb TPQ (Category Code N106. Includes any unique chemical substance that contains the named metal as part of that chemical structure)  
Terbium(III) Nitrate Pentahydrate (CAS # 57584-27-7): "SN 3722 500 lb TPQ (water dissociable, Category Code N511)" As Nitrate compounds [RR-01770-9]  
Terbium(III) Nitrate Pentahydrate (CAS # 57584-27-7): "sn 3722" As Nitrate compounds [RR-01770-9]  
Hydrochloric Acid (CAS # 7647-01-0): corrosive  
Hydrochloric Acid (CAS

### 15.8. California Proposition 65

Not listed.

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### 15.9. Canada Domestic Substances List / Non-Domestic Substances List (DSL/NDSL)

Bismuth (III) Nitrate Pentahydrate (CAS # 10035-06-0): Present (DSL)  
Rhodium (III) Chloride (CAS # 10049-07-7): Present (DSL)  
Lutetium Nitrate (CAS # 10099-67-9): Present (NDSL)  
Germanium Oxide (CAS # 1310-53-8): Present (CEPA, subsection 81(3) applies) (DSL)  
Indium (III) Nitrate Hydrate (CAS # 13465-14-0): Present (NDSL)  
Ammonium Thiocyanate (CAS # 1762-95-4): Present (DSL)  
Terbium(III) Nitrate Pentahydrate (CAS # 57584-27-7): Present (NDSL)  
Hydrochloric Acid (CAS # 7647-01-0): Present (DSL)  
Nitric Acid (CAS # 7697-37-2): Present (DSL)  
Water (CAS # 7732-18-5): Present (DSL)  
Lithium Nitrate (CAS # 7790-69-4): Present (DSL)

### 15.10. United States of America Toxic Substances Control Act (TSCA) List

**All components of this solution are listed as active on the TSCA Inventory or are mixtures (hydrates) of active items listed on the TSCA Inventory.**

Bismuth (III) Nitrate Pentahydrate (CAS # 10035-06-0): Present (ACTIVE)  
Rhodium (III) Chloride (CAS # 10049-07-7): Present (ACTIVE)  
Lutetium Nitrate (CAS # 10099-67-9): Present (ACTIVE)  
Germanium Oxide (CAS # 1310-53-8): Present (ACTIVE)  
Indium (III) Nitrate Hydrate (CAS # 13465-14-0): Present (ACTIVE)  
Ammonium Thiocyanate (CAS # 1762-95-4): Present (ACTIVE)  
Terbium(III) Nitrate Pentahydrate (CAS # 57584-27-7): Present (INACTIVE)  
Hydrochloric Acid (CAS # 7647-01-0): Present (ACTIVE)  
Nitric Acid (CAS # 7697-37-2): Present (ACTIVE)  
Water (CAS # 7732-18-5): Present (ACTIVE)  
Lithium Nitrate (CAS # 7790-69-4): Present (ACTIVE)

### 15.11. European Inventory of Existing Commercial Chemical Substances (EINECS), European List of Notified Chemical Substances (ELINCS), and No Longer Polymers (NLP)

Bismuth (III) Nitrate Pentahydrate (CAS # 10035-06-0): 233-791-8  
Rhodium (III) Chloride (CAS # 10049-07-7): 233-165-4  
Lutetium Nitrate (CAS # 10099-67-9): 233-241-7  
Germanium Oxide (CAS # 1310-53-8): 215-180-8  
Indium (III) Nitrate Hydrate (CAS # 13465-14-0): 237-393-5  
Ammonium Thiocyanate (CAS # 1762-95-4): 217-175-6  
Terbium(III) Nitrate Pentahydrate (CAS # 57584-27-7): 233-138-7  
Hydrochloric Acid (CAS # 7647-01-0): 231-595-7  
Nitric Acid (CAS # 7697-37-2): 231-714-2  
Water (CAS # 7732-18-5): 231-791-2  
Lithium Nitrate (CAS # 7790-69-4): 232-218-9

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## SECTION 16: Other Information

### 16.1. Full Text of Hazard Statements and Precautionary Statements

May be corrosive to metals. Causes severe skin burns and eye damage. Fatal if inhaled. Toxic to aquatic life with long lasting effects.

Keep only in original container. Do not breathe fumes, mist, vapors, or spray. Wash arms, hands and face thoroughly after handling. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Wear protective gloves and eye protection. In case of inadequate ventilation wear respiratory protection.

IF SWALLOWED: rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or physician. Specific treatment is urgent (Wash areas of contact with water immediately). Wash contaminated clothing before reuse. Absorb spillage to prevent material damage. Collect spillage.

Store in a well-ventilated place. Keep container tightly closed. Store locked up. Store in corrosive resistant container with a resistant inner liner.

Dispose of contents in accordance with local, state, federal and international regulations.

### 16.2. Miscellaneous Hazard Classes

**Canadian Carcinogenicity Hazard Class:** Not Applicable.

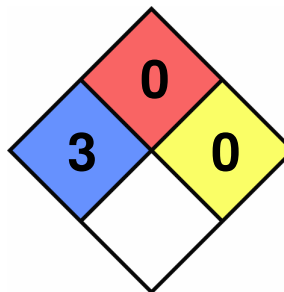
**Physical Hazards Not Otherwise Classified (PHNOC):** Not Applicable.

**Health Hazards Not Otherwise Classified (HHNOC):** Not Applicable.

**Biohazardous Infectious Materials Hazard Class:** Not Applicable.

### 16.3. National Fire Protection Association (NFPA) Rating

**Health:** 3  
**Flammability:** 0  
**Reactivity:** 0  
**Special Hazard:**



### 16.4. Document Revision

**Last Revision Date:** 2023-10-11

## DISCLAIMER

When handled properly by qualified personnel, the product described herein does not present a significant health or safety hazard. Alteration of its characteristics by concentration, evaporation, addition of other substances, or other means may present hazards not specifically addressed herein and which must be evaluated by the user. The information furnished herein is believed to be accurate and represents the best data currently available to us. No warranty, expressed or implied, is made and RICCA CHEMICAL COMPANY assumes no legal responsibility or liability whatsoever resulting from its use.