



Safety Data Sheet

Classified According to OSHA Hazard Communication Standard (HCS 2024)

SECTION 1: Identification

1.1. Product Identifier

Trade Name or Designation VeriSpec[®] Elan DRC Plus Tuning Solution II
10 ppb: Ba; 1 ppb: Be, Ce, Co, In, Fe, Pb, Mg, Th, U
Product Number RV010878
Other Identifying Product Numbers RV010878-100N, RV010878-1N, RV010878-500N

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 412 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

Classified According to OSHA Hazard Communication Standard (HCS 2024)

SECTION 2: Hazard(s) Identification

2.1. Classification of the Substance or Mixture

This product is not categorized as hazardous in any GHS hazard class.

2.2. GHS Label Elements

Pictograms: None Required.

Signal Word: None Required.

Hazard Statements: None Required.

Precautionary Statements: None Required.

2.3. Hazards not Otherwise Classified

No other hazards identified.

2.4. Ingredients of Unknown Acute Toxicity

This product does not contain any ingredients of unknown acute toxicity.

Safety Data Sheet

Classified According to OSHA Hazard Communication Standard (HCS 2024)

SECTION 3: Composition / Information on Ingredients

3.1. Components of Mixture

Chemical Name (IUPAC)	Common Name and Synonyms	CAS Number	Weight%
nitric acid	Nitric Acid	7697-37-2	0.50
barium nitrate	Barium Nitrate	10022-31-8	< 0.1
lead(II) nitrate	Lead Nitrate; lead dinitrate	10099-74-8	< 0.1
cobalt(II) nitrate	Cobalt (II) Nitrate; cobaltous nitrate; cobalt dinitrate	10141-05-6	< 0.1
cerium(III) nitrate hexahydrate	Cerium (III) Nitrate Hexahydrate; cerous nitrate hexahydrate	10294-41-4	< 0.1
magnesium nitrate	Magnesium Nitrate; magnesium dinitrate	10377-60-3	< 0.1
iron(III) nitrate	Ferric Nitrate; iron trinitrate	10421-48-4	< 0.1
indium(3+) trinitrate hydrate	Indium (III) Nitrate Hydrate; Nitric acid, indium(3+) salt, hydrate (2:9)	13465-14-0	< 0.1
beryllium dinitrate	Beryllium Nitrate; Nitric acid, beryllium salt (2:1)	13597-99-4	< 0.1
thorium(4+) tetranitrate	Thorium Nitrate	13823-29-5	< 0.1

SECTION 4: First-Aid Measures

4.1. Description of Necessary Measures

Eye Contact: No action required to be taken. If necessary, rinse eyes with water.

Ingestion: No action required to be taken. If necessary, dilute with water.

Inhalation: Not expected to require first aid. If necessary, remove to fresh air.

Skin Contact: No action required to be taken. If necessary, wash areas of contact with water.

4.2. Most Important Symptoms and Effects, Acute and Delayed

May cause mild irritation to areas of contact.

4.3. Immediate Medical Attention or Special Treatment Needed

Not expected to require special treatment.

SECTION 5: Fire-Fighting Measures

5.1. Extinguishing Media

Not considered to be a fire or explosion hazard.

Safety Data Sheet

Classified According to OSHA Hazard Communication Standard (HCS 2024)

5.2. Specific Hazards Arising from the Substance or Mixture in a Fire

Not considered to be a fire or explosion hazard.

5.3. Special Protective Equipment and Precautions 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 appropriate PPE for the size and nature of the spill. As a general rule, wear safety glasses and gloves.

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

Protect from physical damage.

SECTION 8: Exposure Controls / Personal Protection

8.1. Exposure Limits

Safety Data Sheet

Classified According to OSHA Hazard Communication Standard (HCS 2024)

U.S. OSHA - Permissible Exposure Limits (PEL) - Time Weighted Averages (TWA)

Chemical Name	CAS Number	Exposure Limit
Barium Nitrate	10022-31-8	"0.5 mg/m3 TWA (regulated under CAS 7440-39-3, as Ba)" As Barium, soluble compounds [RR-00049-7]
Lead Nitrate	10099-74-8	"50 µg/m3 TWA (as Pb)" As Lead, inorganic compounds [RR-00538-9]
Beryllium Nitrate	13597-99-4	"0.2 µg/m3 TWA (as Be)" As Beryllium compounds [RR-00557-2]
Nitric Acid	7697-37-2	2 ppm TWA; 5 mg/m3 TWA

U.S. OSHA - Permissible Exposure Limits (PEL) - Ceiling Limits

Chemical Name	CAS Number	Exposure Limit
Beryllium Nitrate	13597-99-4	"2 µg/m3 Ceiling (as Be)" As Beryllium compounds [RR-00557-2]

U.S. OSHA - Permissible Exposure Limits (PEL) - Short Term Exposure Limits (STEL)

No limits found.

U.S. OSHA - Specifically Regulated Chemicals

Chemical Name	CAS Number	Exposure Limit
Lead Nitrate	10099-74-8	"30 µg/m3 Action Level (See 29 CFR 1910.1025, as Pb); 50 µg/m3 TWA (as Pb)" As Lead, inorganic compounds [RR-00538-9]

ACGIH - Threshold Limit Values - Ceilings (TLV-C)

No limits found.

ACGIH - Threshold Limit Values - Short Term Exposure Limits (TLV-STEL)

Chemical Name	CAS Number	Exposure Limit
Nitric Acid	7697-37-2	4 ppm STEL

Safety Data Sheet

Classified According to OSHA Hazard Communication Standard (HCS 2024)

ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)

Chemical Name	CAS Number	Exposure Limit
Barium Nitrate	10022-31-8	"0.5 mg/m ³ TWA (as Ba)" As Barium soluble compounds [RR-00049-7]
Lead Nitrate	10099-74-8	"0.05 mg/m ³ TWA (as Pb)" As Lead inorganic compounds [RR-00538-9]
Cobalt (II) Nitrate	10141-05-6	"0.02 mg/m ³ TWA (inhalable particulate matter, as Co)" As Cobalt inorganic compounds [RR-02516-1]
Ferric Nitrate	10421-48-4	"1 mg/m ³ TWA (as Fe)" As Iron salts, soluble [RR-00521-0]
Indium (III) Nitrate Hydrate	13465-14-0	"0.1 mg/m ³ TWA (as In)" As Indium compounds [RR-00600-8]
Beryllium Nitrate	13597-99-4	"0.00005 mg/m ³ TWA (inhalable particulate matter, as Be)" As Beryllium compounds [RR-00557-2]
Nitric Acid	7697-37-2	2 ppm TWA

8.2. Engineering Controls

No specific controls are needed.

8.3. Individual Protective Measures and Personal Protective Equipment

Respiratory Protection: No specific protection is needed. Normal room ventilation is adequate.

Skin Protection: As a general rule, wear protective gloves.

Eye Protection: As a general rule, wear safety glasses.

Safety Data Sheet

Classified According to OSHA Hazard Communication Standard (HCS 2024)

SECTION 9: Physical and Chemical Properties

9.1. Basic Physical and Chemical Properties

Physical State:	Liquid
Color:	Data not available.
Odor:	Data not available.
Odor Threshold:	Data not available.
Melting/Freezing Point:	Data not available.
Boiling Point/Range:	Data not available.
Flammability:	Data not available.
Flammability/Explosive Limits:	Data not available.
Flash Point:	Not flammable
Auto-Ignition Temperature:	Data not available.
Decomposition Temperature:	Data not available.
pH:	Data not available.
Kinematic Viscosity:	Data not available.
Solubility:	Data not available.
Vapor Pressure:	Data not available.
Evaporation Rate:	Data not available.
Relative Density:	1.07
Relative Vapor Density:	Data not available.
Particle Characteristics:	Data not available.
Partition Coefficient n-octanol/water, log	Data not available.

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

Protect from freezing and physical damage.

10.4. Hazardous Decomposition Products

None identified.

Safety Data Sheet

Classified According to OSHA Hazard Communication Standard (HCS 2024)

SECTION 11: Toxicological Information

11.1. Information on Toxicological Effects

Acute Toxicity - Oral Exposure:

Not acutely toxic.

Chemical Name	CAS Number	Toxicity
Barium Nitrate	10022-31-8	Oral LD50 Rat 300 mg/kg (Source: ECHA)
Lead Nitrate	10099-74-8	Oral LD50 Acute Toxicity Estimate 500 mg/kg (ECHA)
Cobalt (II) Nitrate	10141-05-6	Oral LD50 Rat 434 mg/kg (Source: Canada_WHMIS)
Cerium (III) Nitrate Hexahydrate	10294-41-4	Oral LD50 Rat 4200 mg/kg (Source: NLM_CIP)
Magnesium Nitrate	10377-60-3	Oral LD50 Rat >5000 mg/kg (no deaths occurred, Source: ECHA)
Beryllium Nitrate	13597-99-4	Oral LD50 Acute Toxicity Estimate 100 mg/kg (Source: ECHA)

Acute Toxicity - Dermal Exposure:

Not acutely toxic.

Chemical Name	CAS Number	Toxicity
Cerium (III) Nitrate Hexahydrate	10294-41-4	Dermal LD50 Rat >2000 mg/kg (Source: ECHA_API) As Cerium nitrate [10108-73-3]

Acute Toxicity - Inhalation Exposure:

Inhalation acute toxicity estimate (ATE, vapor): 644.0000 mg/L, 4 h(calculated)

Chemical Name	CAS Number	Toxicity
Barium Nitrate	10022-31-8	Inhalation LC50 Acute Toxicity Estimate 1.5 mg/L 4 h (Source: ECHA)
Lead Nitrate	10099-74-8	Inhalation LC50 Acute Toxicity Estimate 1.5 mg/L 4 h (Source: ECHA)
Beryllium Nitrate	13597-99-4	Inhalation LC50 Acute Toxicity Estimate 0.05 mg/L 4 h (Source: ECHA)
Nitric Acid	7697-37-2	Inhalation LC50 Rat 3.22 mg/L 4 h (Source: WHMIS)

11.2 Carcinogenicity:

International Agency for Research on Cancer (IARC)

Safety Data Sheet

Classified According to OSHA Hazard Communication Standard (HCS 2024)

Chemical Name	CAS Number	Classification
Lead Nitrate	10099-74-8	Group 2A (Probably Carcinogenic to Humans) - Monograph 87 [2006]; Supplement 7 [1987]; Monograph 23 [1980]
Cobalt (II) Nitrate	10141-05-6	Group 2A (Probably Carcinogenic to Humans) - Monograph 131 [2023]; Monograph 86 [2006]; Monograph 52 [1991] As Cobalt(II) soluble salts
Beryllium Nitrate	13597-99-4	Group 1 (Carcinogenic to Humans) - Monograph 58 [1993] (listed under Beryllium and beryllium compounds)
Nitric Acid	7697-37-2	Group 1 (Carcinogenic to Humans) - Monograph 100F [2012]; Monograph 54 [1992] As Acid mists, strong inorganic

National Toxicology Program (NTP)

Chemical Name	CAS Number	Classification
Lead Nitrate	10099-74-8	Reasonably Anticipated To Be A Human Carcinogen (listed under Lead and lead compounds)
Cobalt (II) Nitrate	10141-05-6	Reasonably Anticipated To Be A Human Carcinogen (listed under Cobalt-related exposures)
Beryllium Nitrate	13597-99-4	"Known Human Carcinogen" As Beryllium compounds [RR-00557-2]

U.S. OSHA specifically regulated carcinogens

Chemical Name	CAS Number	Classification
No data found.		

11.3 Additional Toxicology Information:

Data not available.

SECTION 12: Ecological Information

12.1. Ecotoxicity

Chemical Name	CAS Number	Species	Exposure	Toxicity
Cerium (III) Nitrate Hexahydrate	10294-41-4	Freshwater Fish	Acute	"LC50 96 h Oncorhynchus mykiss 0.3 mg/L [semi-static] (ECHA)" As Cerium nitrate [10108-73-3]
Cerium (III) Nitrate Hexahydrate	10294-41-4	Water Flea	Acute	"EC50 48 h Daphnia magna >100 mg/L (IUCLID)" As Cerium nitrate [10108-73-3]

12.2. Persistence and Degradability

Data not available.

Safety Data Sheet

Classified According to OSHA Hazard Communication Standard (HCS 2024)

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.

SECTION 14: Transportation Information

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

Not regulated according to DOT regulations.

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

Not regulated according to IATA Dangerous Goods Regulations.



Safety Data Sheet

Classified According to OSHA Hazard Communication Standard (HCS 2024)

14.3 Transportation of Dangerous Goods (TDG, Canada)

Not regulated according to TDG regulations.

SECTION 15: Regulatory Information

Safety Data Sheet

Classified According to OSHA Hazard Communication Standard (HCS 2024)

15.01. Occupational Safety and Health Administration (OSHA) Hazards

Chemical Name	CAS Number	Regulatory Information
Lead Nitrate	10099-74-8	"30 µg/m3 Action Level (See 29 CFR 1910.1025, as Pb); 50 µg/m3 TWA (See 29 CFR 1910.1025, as Pb)" As Lead, inorganic compounds [RR-00538-9]

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

Chemical Name	CAS Number	RQ	TPQ
Nitric Acid	7697-37-2	1000 lb TPQ	1000 lb EPCRA RQ

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

Chemical Name	CAS Number	Regulatory Information
Lead Nitrate	10099-74-8	10 lb final RQ; 4.54 kg final RQ
Ferric Nitrate	10421-48-4	1000 lb final RQ; 454 kg final RQ
Beryllium Nitrate	13597-99-4	1 lb final RQ; 0.454 kg final RQ
Nitric Acid	7697-37-2	1000 lb final RQ; 454 kg final RQ

15.04. Superfund Amendments and Reauthorization Act (SARA) 313 Toxics Release Inventory (TRI)

Chemical Name	CAS Number	List	Regulatory Information
Barium Nitrate	10022-31-8	Emission Reporting	"1.0 % de minimis concentration (includes any unique chemical substance that contains Barium as part of that chemical's infrastructure except for Barium sulfate CAS 7727-43-7, listed under Chemical Category N040)" As Barium compounds [RR-00555-0]; "1.0 % de minimis concentration (reportable only when in aqueous solution, listed under Chemical Category N511)" As Nitrate compounds, water dissociable [RR-03804-0]
Lead Nitrate	10099-74-8	Emission Reporting	"not eligible for the de minimis exemption, listed under Chemical Category N420" As Inorganic lead compounds [RR-00538-9]; "not eligible for the de minimis exemption" As Lead compounds [RR-00630-4]; "1.0 % de minimis concentration (reportable only when in aqueous solution, listed under Chemical Category N511)" As Nitrate compounds, water dissociable [RR-03804-0]

Safety Data Sheet

Classified According to OSHA Hazard Communication Standard (HCS 2024)

Lead Nitrate	10099-74-8	Chemicals of Special Concern	"100 lb RT" As Lead compounds [RR-00630-4]
Cobalt (II) Nitrate	10141-05-6	Emission Reporting	"0.1 % de minimis concentration (includes any unique chemical substance that contains Cobalt as part of that chemical's infrastructure, listed under Chemical Category N096)" As Cobalt, inorganic compounds [RR-02516-1]
Cerium (III) Nitrate Hexahydrate	10294-41-4	Emission Reporting	"1.0 % de minimis concentration (reportable only when in aqueous solution, listed under Chemical Category N511)" As Nitrate compounds, water dissociable [RR-03804-0]
Magnesium Nitrate	10377-60-3	Emission Reporting	"1.0 % de minimis concentration (reportable only when in aqueous solution, listed under Chemical Category N511)" As Nitrate compounds, water dissociable [RR-03804-0]
Ferric Nitrate	10421-48-4	Emission Reporting	"1.0 % de minimis concentration (reportable only when in aqueous solution, listed under Chemical Category N511)" As Nitrate compounds, water dissociable [RR-03804-0]
Indium (III) Nitrate Hydrate	13465-14-0	Emission Reporting	"1.0 % de minimis concentration (reportable only when in aqueous solution, listed under Chemical Category N511)" As Nitrate compounds, water dissociable [RR-03804-0]
Beryllium Nitrate	13597-99-4	Emission Reporting	"0.1 % de minimis concentration (includes any unique chemical substance that contains Beryllium as part of that chemical's infrastructure, listed under Chemical Category N050)" As Beryllium compounds [RR-00557-2]
Thorium Nitrate	13823-29-5	Emission Reporting	"1.0 % de minimis concentration (reportable only when in aqueous solution, listed under Chemical Category N511)" As Nitrate compounds, water dissociable [RR-03804-0]
Nitric Acid	7697-37-2	Emission Reporting	1.0 % de minimis concentration

Safety Data Sheet

Classified According to OSHA Hazard Communication Standard (HCS 2024)

15.05. Massachusetts Right-to-Know Substance List

Chemical Name	CAS Number	Regulatory Information
Barium Nitrate	10022-31-8	Present
Lead Nitrate	10099-74-8	Present
Cobalt (II) Nitrate	10141-05-6	Present
Magnesium Nitrate	10377-60-3	Present
Ferric Nitrate	10421-48-4	Present
Beryllium Nitrate	13597-99-4	Present
Thorium Nitrate	13823-29-5	Present
Nitric Acid	7697-37-2	Extraordinarily hazardous

15.06. Pennsylvania Right-to-Know Hazardous Substances

Chemical Name	CAS Number	Regulatory Information
Barium Nitrate	10022-31-8	Environmental hazard
Lead Nitrate	10099-74-8	Environmental hazard
Cobalt (II) Nitrate	10141-05-6	Present
Magnesium Nitrate	10377-60-3	Present
Ferric Nitrate	10421-48-4	Environmental hazard
Beryllium Nitrate	13597-99-4	Environmental hazard
Thorium Nitrate	13823-29-5	Present
Nitric Acid	7697-37-2	Environmental hazard

15.07. New Jersey Worker and Community Right-to-Know Components

Chemical Name	CAS Number	Regulatory Information
Barium Nitrate	10022-31-8	sn 0186
Lead Nitrate	10099-74-8	sn 1108
Cobalt (II) Nitrate	10141-05-6	"sn 2222" As Cobalt compounds [RR-00107-0]; "sn 3722" As Nitrate compounds [RR-01770-9]
Cerium (III) Nitrate Hexahydrate	10294-41-4	"sn 3722" As Nitrate compounds [RR-01770-9]
Magnesium Nitrate	10377-60-3	sn 1143
Ferric Nitrate	10421-48-4	sn 0924
Indium (III) Nitrate Hydrate	13465-14-0	"sn 3722" As Nitrate compounds [RR-01770-9]
Beryllium Nitrate	13597-99-4	sn 0225
Thorium Nitrate	13823-29-5	sn 1857
Nitric Acid	7697-37-2	sn 1356

Safety Data Sheet

Classified According to OSHA Hazard Communication Standard (HCS 2024)

15.08. California Proposition 65

Chemical Name	CAS Number	Regulatory Information
Lead Nitrate	10099-74-8	"carcinogen, 10/1/1992" As Lead compounds [RR-00630-4]
Beryllium Nitrate	13597-99-4	"carcinogen, 10/1/1987" As Beryllium compounds [RR-00557-2]

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

Chemical Name	CAS Number	List	Status
Barium Nitrate	10022-31-8	DSL	Present
Lead Nitrate	10099-74-8	DSL	Present
Cobalt (II) Nitrate	10141-05-6	DSL	Present
Cerium (III) Nitrate Hexahydrate	10294-41-4	DSL	"Present" As Cerium nitrate [10108-73-3]
Magnesium Nitrate	10377-60-3	DSL	Present
Ferric Nitrate	10421-48-4	DSL	Present
Indium (III) Nitrate Hydrate	13465-14-0	NDSL	"Present" As Indium nitrate [13770-61-1]
Beryllium Nitrate	13597-99-4	NDSL	Present
Thorium Nitrate	13823-29-5	DSL	Present
Nitric Acid	7697-37-2	DSL	Present

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

Chemical Name	CAS Number	Status
Barium Nitrate	10022-31-8	Present (ACTIVE)
Lead Nitrate	10099-74-8	Present (ACTIVE)
Cobalt (II) Nitrate	10141-05-6	Present (ACTIVE)
Cerium (III) Nitrate Hexahydrate	10294-41-4	"Present (ACTIVE)" As Nitric acid, cerium(3+) salt (3:1) [10108-73-3]
Magnesium Nitrate	10377-60-3	Present (ACTIVE)
Ferric Nitrate	10421-48-4	Present (ACTIVE)
Indium (III) Nitrate Hydrate	13465-14-0	"Present (ACTIVE)" As Nitric acid, indium(3+) salt (3:1) [13770-61-1]
Beryllium Nitrate	13597-99-4	Present (ACTIVE)
Thorium Nitrate	13823-29-5	Present (ACTIVE)
Nitric Acid	7697-37-2	Present (ACTIVE)

Safety Data Sheet

Classified According to OSHA Hazard Communication Standard (HCS 2024)

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

Chemical Name	CAS Number	List	Number
Barium Nitrate	10022-31-8	EINECS	233-020-5
Lead Nitrate	10099-74-8	EINECS	233-245-9
Cobalt (II) Nitrate	10141-05-6	EINECS	233-402-1
Cerium (III) Nitrate Hexahydrate	10294-41-4	EINECS	"233-297-2" As Cerium trinitrate [10108-73-3]
Magnesium Nitrate	10377-60-3	EINECS	233-826-7
Ferric Nitrate	10421-48-4	EINECS	233-899-5
Indium (III) Nitrate Hydrate	13465-14-0	EINECS	"237-393-5" As Indium trinitrate [13770-61-1]
Beryllium Nitrate	13597-99-4	EINECS	237-062-5
Thorium Nitrate	13823-29-5	EINECS	237-514-1
Nitric Acid	7697-37-2	EINECS	231-714-2

15.12. China - Inventory of Existing chemical Substances (IECSC)

Chemical Name	CAS Number	Status
Barium Nitrate	10022-31-8	Present [35583]
Lead Nitrate	10099-74-8	Present [35618]
Cobalt (II) Nitrate	10141-05-6	Present [35594]
Cerium (III) Nitrate Hexahydrate	10294-41-4	Present [35628]
Magnesium Nitrate	10377-60-3	Present [35608]
Ferric Nitrate	10421-48-4	Present [35632]
Indium (III) Nitrate Hydrate	13465-14-0	"Present [35647]" As Indium(III) nitrate [13770-61-1]
Beryllium Nitrate	13597-99-4	Present [35616]
Nitric Acid	7697-37-2	Present [35578]

Safety Data Sheet

Classified According to OSHA Hazard Communication Standard (HCS 2024)

15.13. Korea - Existing Chemicals Inventory (KECI/KECL)

Chemical Name	CAS Number	List	Status
Barium Nitrate	10022-31-8	Annex 1	Present [KE-02070]
Barium Nitrate	10022-31-8	Annex 2	"97-3-693 (1997-3-0693)" As Barium compounds [RR-00555-0]
Lead Nitrate	10099-74-8	Annex 1	Present [KE-21907]
Lead Nitrate	10099-74-8	Annex 3	"Present (97-1-9)" As Lead compounds [RR-00630-4]
Cobalt (II) Nitrate	10141-05-6	Annex 1	Present [KE-06102]
Cerium (III) Nitrate Hexahydrate	10294-41-4	Annex 1	"Present [KE-05423]" As Cerium nitrate [10108-73-3]
Magnesium Nitrate	10377-60-3	Annex 1	Present [KE-22725]
Ferric Nitrate	10421-48-4	Annex 1	Present [KE-21136]
Indium (III) Nitrate Hydrate	13465-14-0	Annex 1	"Present [KE-21006]" As Indium nitrate [13770-61-1]
Beryllium Nitrate	13597-99-4	Annex 1	Present [KE-25914]
Thorium Nitrate	13823-29-5	Annex 1	Present [KE-25929]
Nitric Acid	7697-37-2	Annex 1	Present [KE-25911]

15.14. Japan - Existing and New Chemical Substances Inventory (ENCS)

Chemical Name	CAS Number	MITI No.
Barium Nitrate	10022-31-8	(1)-86
Lead Nitrate	10099-74-8	(1)-488
Cobalt (II) Nitrate	10141-05-6	(1)-266
Cerium (III) Nitrate Hexahydrate	10294-41-4	(1)-626
Magnesium Nitrate	10377-60-3	(1)-464
Ferric Nitrate	10421-48-4	(1)-355
Nitric Acid	7697-37-2	(1)-394

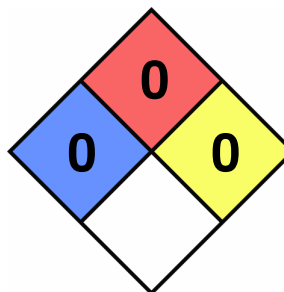
SECTION 16: Other Information

Safety Data Sheet

Classified According to OSHA Hazard Communication Standard (HCS 2024)

16.1 National Fire Protection Associate (NFPA) Rating

Health: 0
Flammability: 0
Reactivity: 0
Special Hazard:



16.2 Document Revision

Last Revision Date:
2026-05-05

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.