

Classified According to OSHA Hazard Communication Standard (HCS)

SECTION 1: Identification

1.1. Product Identifier

Trade Name or Designation: Mixed ICP Standard, 100 ppm Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg

Mn, Mo, Na, Ni, Pb, Se, V, Zn in 5% HCl

Product Number: RPMX199N
Other Identifying Product Numbers: RPMX199N-250N

1.2. Recommended Use and Restrictions on Use

General Laboratory Reagent

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

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:
Skin Corrosion / Irritation	Category 2	H315	P264, P280, P302+P352, P321, P332+P313, P362
Corrosive to Metals	Category 1	H290	P234, P390, P406

Product Number: RPMX199N Page 1 of 23

2.2. GHS Label Elements

Pictograms:



Signal Word: Warning

Hazard Statements:

Hazard Number	Hazard Statement
H290	May be corrosive to metals.
H315	Causes skin irritation.

Precautionary Statements:

Precautionary Number	Precautionary Statement
P234	Keep only in original container.
P264	Wash arms, hands and face thoroughly after handling.
P280	Wear protective gloves and eye protection.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P321	Specific treatment (Wash areas of contact with water.
).
P332+P313	If skin irritation occurs: Get medical attention.
P362	Take off contaminated clothing and wash it before reuse.
P390	Absorb spillage to prevent material damage.
P406	Store in corrosive resistant container with a resistant inner liner.

2.4. Hazards not Otherwise Classified or Covered by GHS

Data not available.

Product Number: RPMX199N Page 2 of 23



Safety Data Sheet

SECTION 3: Composition / Information on Ingredients

3.1. Components of Substance or Mixture

Chemical Name	Formula	Molecular Weight	CAS Number	Weight%
Water	H₂O	18.01 g/mol	7732-18-5	99.27
Hydrochloric Acid	HCI	36.46 g/mol	7647-01-0	0.34
Magnesium Chloride	MgCl ₂	95.21 g/mol	7786-30-3	< 0.1
Nitric Acid	HNO₃	63.01 g/mol	7697-37-2	< 0.1
Calcium Chloride Dihydrate	CaCl₂·2H₂O	147.02 g/mol	10035-04-8	< 0.1
Sodium Carbonate	Na ₂ CO ₃	105.98 g/mol	497-19-8	< 0.1
Ammonium Metavanadate	NH_4VO_3	116.97 g/mol	7803-55-6	< 0.1
Potassium Carbonate	K ₂ CO ₃	138.20 g/mol	584-08-7	< 0.1
Barium Chloride	BaCl ₂	208.23 g/mol	10361-37-2	< 0.1
Molybdenum Trioxide	MoO₃	143.93 g/mol	1313-27-5	< 0.1
Selenium Dioxide	SeO ₂	110.95 g/mol	7446-08-4	< 0.1
Zinc	Zn	65.40 g/mol	7440-66-6	< 0.1
Copper	Cu	63.54 g/mol	7440-50-8	< 0.1
Cobalt	Со	58.93 g/mol	7440-48-4	< 0.1
Chromium	Cr	51.99 g/mol	7440-47-3	< 0.1
Cadmium	Cd	112.41 g/mol	7440-43-9	< 0.1
Beryllium	Be	9.01 g/mol	7440-41-7	< 0.1
Arsenic	As	74.92 g/mol	7440-38-2	< 0.1
Nickel	Ni	58.69 g/mol	7440-02-0	< 0.1
Manganese	Mn	54.93 g/mol	7439-96-5	< 0.1
Lead	Pb	207.2 g/mol	7439-92-1	< 0.1
Iron	Fe	55.84 g/mol	7439-89-6	< 0.1
Aluminum	Al	26.98 g/mol	7429-90-5	< 0.1
Hydrofluoric Acid	HF	20.00 g/mol	7664-39-3	< 0.1

SECTION 4: First-Aid Measures

4.1. General First Aid Information

Eye Contact: May cause slight irritation.

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

Skin Contact: IF ON SKIN: Wash with plenty of soap and water. May cause slight irritation.

Product Number: RPMX199N Page 3 of 23

Ingestion: Dilute with water or milk. Do not induce vomiting. Call a physician if necessary.

4.2. Most Important Symptoms and Effects, Acute and Delayed

Causes skin irritation. CAUTION! Mildly corrosive. May cause irritation. Wash areas of contact with water. EYE CONTACT: May cause slight irritation. SKIN CONTACT: May cause slight irritation.

4.3. Medical Attention or Special Treatment Needed

Specific treatment (Wash areas of contact with water.

). Irrigate immediately with large quantity of water for at least 15 minutes. Call a physician if irritation develops. Remove to fresh air. Give artificial respiration if necessary. If breathing is difficult, give oxygen. Flush with plenty of water for at least 15 minutes. Call a physician if irritation develops. Di with water or milk. Do not induce vomiting. Call a physician if necessary.

SECTION 5: Fire-Fighting Measures

5.1. Extinguishing Media

Use any means suitable for extinguishing surrounding fire (water or water spray). Neutralize with soda ash or slaked lime.

5.2. Specific Hazards Arising from the Substance or Mixture

Not considered to be a fire or explosion hazard. May react with metals to release flammable Hydrogen gas.

5.3. Special Protective Equipment for Firefighters

Use protective clothing and 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.

6.2. Cleanup and Containment Methods and Materials

Cover the spill with Sodium Carbonate or a soda ash-slaked lime mixture (50:50). Mix and add water to form slurry. Decant the liquid to the drain with excess water. Treat the solid residue as normal refuse. Wash site with soda ash solution. Always 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. As with all chemicals, wash hands thoroughly after handling. Avoid contact with eyes and skin. Protect from freezing and physical damage.

Product Number: RPMX199N Page 4 of 23



Safety Data Sheet

SECTION 8: Exposure Controls / Personal Protection

8.1 Control Parameters

Chemical Name	Limit Type	Country	Exposure Limit	Information Source
Barium Chloride (10361-37-2)	TLV-TWA	USA	"0.5 mg/m³ TWA (as Ba)" As Barium soluble compounds [RR-00049-7]	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)
Barium Chloride (10361-37-2)	TWA	USA	"0.5 mg/m³ TWA (regulated under CAS 7440-39-3, as Ba)" As Barium, soluble compounds [RR-00049-7]	U.S OSHA - Final PELs - Time Weighted Averages (TWAs)
Barium Chloride (10361-37-2)	TLV-TWA	USA	0.5 mg/m³ TWA (as Ba)	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)
Barium Chloride (10361-37-2)	TWA	USA	0.5 mg/m³ TWA (regulated under CAS 7440-39-3, as Ba)	U.S OSHA - Final PELs - Time Weighted Averages (TWAs)
Molybdenum Trioxide (1313-27-5)	TWA	USA	"15 mg/m³ TWA (total dust)" As Molybdenum, insoluble compounds [RR-00037-3]	U.S OSHA - Final PELs - Time Weighted Averages (TWAs)
Molybdenum Trioxide (1313-27-5)	TLV-TWA	USA	"10 mg/m³ TWA (inhalable particulate matter, as Mo); 3 mg/m³ TWA (respirable particulate matter, as Mo)" As Molybdenum insoluble compounds [RR-00037-3]	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)
Molybdenum Trioxide (1313-27-5)	TWA	USA	15 mg/m³ TWA (total dust)	U.S OSHA - Final PELs - Time Weighted Averages (TWAs)
Molybdenum Trioxide (1313-27-5)	TLV-TWA	USA	10 mg/m³ TWA (inhalable particulate matter, as Mo); 3 mg/m³ TWA (respirable particulate matter, as Mo)	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)
Aluminum (7429-90-5)	TWA	USA	15 mg/m³ TWA (total dust); 5 mg/m³ TWA (respirable fraction)	U.S OSHA - Final PELs - Time Weighted Averages (TWAs)
Aluminum (7429-90-5)	TLV-TWA	USA	1 mg/m³ TWA (respirable particulate matter)	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)
Lead (7439-92-1)	PEL	USA	30 μg/m³ Action Level (See 29 CFR 1910.1025); 50 μg/m³ TWA	U.S OSHA - Specifically Regulated Chemicals with PELs

Product Number: RPMX199N Page 5 of 23



Safety Data Sheet

Lead (7439-92-1)	TWA	USA	50 μg/m³ TWA	U.S OSHA - Final PELs - Time
				Weighted Averages (TWAs)
Lead (7439-92-1)	TLV-TWA	USA	0.05 mg/m³ TWA	ACGIH - Threshold Limit Values - Time
				Weighted Averages (TLV-TWA)
Lead (7439-92-1)	TLV-TWA	USA	"0.05 mg/m³ TWA (as Pb)"	ACGIH - Threshold Limit Values - Time
			As Lead inorganic	Weighted Averages (TLV-TWA)
			compounds [RR-00538-9]	
Lead (7439-92-1)	PEL	USA	"30 μg/m³ Action Level (See	U.S OSHA - Specifically Regulated
			29 CFR 1910.1025, as Pb);	Chemicals with PELs
			50 μg/m³ TWA (as Pb)" As	
			Lead, inorganic compounds	
			[RR-00538-9]	
Lead (7439-92-1)	TWA	USA	"50 μg/m³ TWA (as Pb)" As	U.S OSHA - Final PELs - Time
			Lead, inorganic compounds	Weighted Averages (TWAs)
			[RR-00538-9]	
Manganese (7439-96-5)	TLV-TWA	USA	0.02 mg/m ³ TWA (respirable	ACGIH - Threshold Limit Values - Time
			particulate matter); 0.1	Weighted Averages (TLV-TWA)
			mg/m³ TWA (inhalable	
			particulate matter)	
Manganese (7439-96-5)	PEL-Ceiling	USA	5 mg/m³ Ceiling (fume)	U.S OSHA - Final PELs - Ceiling
	· ·			Limits
Manganese (7439-96-5)	PEL-Ceiling	USA	"5 mg/m3 Ceiling (as Mn)"	U.S OSHA - Final PELs - Ceiling
	•		As Manganese compounds	Limits
			[RR-00602-0]	
Manganese (7439-96-5)	TLV-TWA	USA	0.02 mg/m³ TWA (respirable	ACGIH - Threshold Limit Values - Time
,			particulate matter, as Mn);	Weighted Averages (TLV-TWA)
			0.1 mg/m ³ TWA (inhalable	
			particulate matter, as Mn)	
Nickel (7440-02-0)	TLV-TWA	USA	1.5 mg/m ³ TWA (inhalable	ACGIH - Threshold Limit Values - Time
,			particulate matter)	Weighted Averages (TLV-TWA)
Nickel (7440-02-0)	TWA	USA	1 mg/m³ TWA	U.S OSHA - Final PELs - Time
,			J	Weighted Averages (TWAs)
Arsenic (7440-38-2)	TLV-TWA	USA	0.01 mg/m ³ TWA	ACGIH - Threshold Limit Values - Time
,			•	Weighted Averages (TLV-TWA)
Arsenic (7440-38-2)	PEL	USA	"10 μg/m³ TWA (See 29	U.S OSHA - Specifically Regulated
, ,			CFR 1910.1018; except	Chemicals with PELs
			Arsine, as As); 5 μg/m ³	
			Action Level (as As)" As	
			Inorganic arsenic	
			compounds [RR-00065-7]	

Product Number: RPMX199N Page 6 of 23



Safety Data Sheet

Arsenic (7440-38-2)	TWA	USA	"10 μg/m³ TWA (as As)" As	U.S OSHA - Final PELs - Time
			Arsenic, inorganic compounds [RR-00065-7]	Weighted Averages (TWAs)
Arsenic (7440-38-2)	TLV-TWA	USA	"0.01 mg/m³ TWA (as As)"	ACGIH - Threshold Limit Values - Time
,			As Arsenic inorganic	Weighted Averages (TLV-TWA)
			compounds [RR-00065-7]	
Beryllium (7440-41-7)	PEL	USA	0.2 μg/m³ TWA (See 29	U.S OSHA - Specifically Regulated
			CFR 1910.1024); 0.1 µg/m ³	Chemicals with PELs
			Action Level; 2.0 μg/m ³	
			STEL (15 min)	
Beryllium (7440-41-7)	PEL-Ceiling	USA	2 μg/m³ Ceiling	U.S OSHA - Final PELs - Ceiling
				Limits
Beryllium (7440-41-7)	TWA	USA	0.2 μg/m³ TWA	U.S OSHA - Final PELs - Time
				Weighted Averages (TWAs)
Beryllium (7440-41-7)	PEL-STEL	USA	2 μg/m³ STEL (see 29 CFR	U.S OSHA - Final PELs - Short Term
			1910.1024)	Exposure Limits
Beryllium (7440-41-7)	TLV-TWA	USA	0.00005 mg/m³ TWA	ACGIH - Threshold Limit Values - Time
			(inhalable particulate matter)	Weighted Averages (TLV-TWA)
Beryllium (7440-41-7)	PEL-Ceiling	USA	"2 μg/m³ Ceiling (as Be)" As	U.S OSHA - Final PELs - Ceiling
			Beryllium compounds	Limits
			[RR-00557-2]	
Beryllium (7440-41-7)	TLV-TWA	USA	"0.00005 mg/m ³ TWA	ACGIH - Threshold Limit Values - Time
			(inhalable particulate matter,	Weighted Averages (TLV-TWA)
			as Be)" As Beryllium	
			compounds [RR-00557-2]	
Beryllium (7440-41-7)	TWA	USA	"0.2 μg/m³ TWA (as Be)" As	U.S OSHA - Final PELs - Time
			Beryllium compounds	Weighted Averages (TWAs)
			[RR-00557-2]	
Cadmium (7440-43-9)	PEL-Ceiling	USA	0.3 mg/m³ Ceiling (applies to	U.S OSHA - Final PELs - Ceiling
			any operations or sectors for	Limits
			which the Cadmium	
			standard is stayed or	
			otherwise not in effect,	
			fume); 0.6 mg/m³ Ceiling	
			(applies to any operations or	
			sectors for which the	
			Cadmium standard is stayed	
			or otherwise not in effect,	
			dust)	

Product Number: RPMX199N Page **7** of **23**



Safety Data Sheet

Cadmium (7440-43-9)	PEL	USA	5 μg/m³ TWA (See 29 CFR	U.S OSHA - Specifically Regulated
			1910.1027); 2.5 μg/m³	Chemicals with PELs
			Action Level	
Cadmium (7440-43-9)	TLV-TWA	USA	0.01 mg/m³ TWA; 0.002	ACGIH - Threshold Limit Values - Time
			mg/m³ TWA (respirable	Weighted Averages (TLV-TWA)
			particulate matter)	
Cadmium (7440-43-9)	TWA	USA	5 μg/m³ TWA	U.S OSHA - Final PELs - Time
				Weighted Averages (TWAs)
Cadmium (7440-43-9)	TLV-TWA	USA	"0.01 mg/m3 TWA (as Cd);	ACGIH - Threshold Limit Values - Time
			0.002 mg/m³ TWA	Weighted Averages (TLV-TWA)
			(respirable particulate	
			matter, as Cd)" As Cadmium	
			compounds [RR-00559-4]	
Cadmium (7440-43-9)	PEL	USA	"5 μg/m³ TWA (See 29 CFR	U.S OSHA - Specifically Regulated
			1910.1027, as Cd); 2.5	Chemicals with PELs
			μg/m³ Action Level (as Cd)"	
			As Cadmium compounds	
			[RR-00559-4]	
Chromium (7440-47-3)	TWA	USA	1 mg/m³ TWA	U.S OSHA - Final PELs - Time
				Weighted Averages (TWAs)
Chromium (7440-47-3)	TLV-TWA	USA	0.5 mg/m³ TWA (inhalable	ACGIH - Threshold Limit Values - Time
			particulate matter)	Weighted Averages (TLV-TWA)
Cobalt (7440-48-4)	TWA	USA	0.1 mg/m ³ TWA (dust and	U.S OSHA - Final PELs - Time
			fume)	Weighted Averages (TWAs)
Cobalt (7440-48-4)	TLV-TWA	USA	0.02 mg/m³ TWA (inhalable	ACGIH - Threshold Limit Values - Time
			particulate matter)	Weighted Averages (TLV-TWA)
Cobalt (7440-48-4)	TLV-TWA	USA	0.02 mg/m³ TWA (inhalable	ACGIH - Threshold Limit Values - Time
			particulate matter, as Co)	Weighted Averages (TLV-TWA)
Copper (7440-50-8)	TWA	USA	0.1 mg/m ³ TWA (fume); 1	U.S OSHA - Final PELs - Time
			mg/m³ TWA (dust and mist)	Weighted Averages (TWAs)
Copper (7440-50-8)	TLV-TWA	USA	0.2 mg/m ³ TWA (fume)	ACGIH - Threshold Limit Values - Time
				Weighted Averages (TLV-TWA)
Copper (7440-50-8)	TLV-TWA	USA	"1 mg/m³ TWA (dust and	ACGIH - Threshold Limit Values - Time
			mist, as Cu)" As Copper	Weighted Averages (TLV-TWA)
			compounds [RR-00595-8]	
Copper (7440-50-8)	TLV-TWA	USA	"1 mg/m³ TWA (dust and	ACGIH - Threshold Limit Values - Time
			mist, as Cu)" As Copper	Weighted Averages (TLV-TWA)
			compounds [RR-00595-8]	
Selenium Dioxide (7446-08-4)	TWA	USA	"0.2 mg/m³ TWA (as Se)" As	U.S OSHA - Final PELs - Time
			Selenium compounds	Weighted Averages (TWAs)
			[RR-00612-2]	

Product Number: RPMX199N Page 8 of 23



Safety Data Sheet

Selenium Dioxide (7446-08-4)	TLV-TWA	USA	"0.2 mg/m³ TWA (as Se)" As Selenium compounds [RR-00612-2]	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)
Selenium Dioxide (7446-08-4)	TLV-TWA	USA	"0.2 mg/m³ TWA (as Se)" As Selenium compounds [RR-00612-2]	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)
Selenium Dioxide (7446-08-4)	TWA	USA	"0.2 mg/m³ TWA (as Se)" As Selenium compounds [RR-00612-2]	U.S OSHA - Final PELs - Time Weighted Averages (TWAs)
Selenium Dioxide (7446-08-4)	TLV-TWA	USA	0.2 mg/m³ TWA (as Se)	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)
Selenium Dioxide (7446-08-4)	TWA	USA	0.2 mg/m³ TWA (as Se)	U.S OSHA - Final PELs - Time Weighted Averages (TWAs)
Selenium Dioxide (7446-08-4)	TLV-TWA	USA	"0.2 mg/m³ TWA (as Se)" As Selenium compounds [RR-00612-2]	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)
Selenium Dioxide (7446-08-4)	TWA	USA	"0.2 mg/m³ TWA (as Se)" As Selenium compounds [RR-00612-2]	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/m³ Ceiling	U.S OSHA - Final PELs - Ceiling Limits
Hydrofluoric Acid (7664-39-3)	TLV-TWA	USA	"2.5 mg/m³ TWA (as F)" As Fluorides [RR-02792-9]	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)
Hydrofluoric Acid (7664-39-3)	TWA	USA	"2.5 mg/m³ TWA (as F)" As Fluorides [RR-02792-9]	U.S OSHA - Final PELs - Time Weighted Averages (TWAs)
Hydrofluoric Acid (7664-39-3)	TLV-TWA	USA	0.5 ppm TWA (as F)	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)
Hydrofluoric Acid (7664-39-3)	TLV-Ceiling	USA	2 ppm Ceiling (as F)	ACGIH - Threshold Limit Values - Ceilings (TLV-C)
Hydrofluoric Acid (7664-39-3)	TWA	USA	3 ppm TWA (as F)	U.S OSHA - Final PELs - Time Weighted Averages (TWAs)
Hydrofluoric Acid (7664-39-3)	TWA	USA	2.5 mg/m³ TWA (as F)	U.S OSHA - Final PELs - Time Weighted Averages (TWAs)
Hydrofluoric Acid (7664-39-3)	TLV-TWA	USA	2.5 mg/m³ TWA (as F)	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)
Nitric Acid (7697-37-2)	TWA	USA	2 ppm TWA; 5 mg/m³ TWA	U.S OSHA - Final PELs - Time Weighted Averages (TWAs)
Nitric Acid (7697-37-2)	TLV-STEL	USA	4 ppm STEL	ACGIH - Threshold Limit Values - Short Term Exposure Limits (TLV-STEL)

Product Number: RPMX199N Page 9 of 23

Nitric Acid (7697-37-2)

TLV-TWA

USA
2 ppm TWA

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

8.2. Exposure Controls

Engineering Controls: No specific controls are needed. Normal room ventilation is adequate.

Respiratory Protection: Normal room ventilation is adequate.

Skin Protection: Wear protective gloves and eye protection. Chemical resistant gloves. **Eye Protection:** Wear protective gloves and eye protection. Safety glasses or goggles.

8.3. Personal Protective Equipment

Wear protective gloves and eye protection. Normal room ventilation is adequate. Chemical resistant gloves. Safety glasses or goggles.

SECTION 9: Physical and Chemical Properties

9.1. Basic Physical and Chemical Properties

Appearance: Colorless liquid

Physical State: Liquid

Odor: Data not available.

Odor Threshold: Data not available.

pH: Data not available.

Melting/Freezing Point: Approximately 0.0°C

Initial Boiling Point/Range: Approximately 100.0°C -

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: 1.00

Solubility: Miscible

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.

Product Number: RPMX199N Page 10 of 23

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. Most metals, Alkalis, active metals, Cyanides, Sulfides, Sulfites, Metal Oxides, Formaldehyde.

10.4. Hazardous Decomposition Products

Will not occur.

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:

Not applicable.

Acute Toxicity - Other Information:

LD50, Oral, Rabbit (Hydrochloric Acid) 900 mg/kg; Details of toxic effects not reported other than lethal dose value. LCLo, inhalation, human: 3000 ppm/5 minutes: No toxic effects noted.

Skin Corrosion and Irritation:

Causes skin irritation. Wash arms, hands and face thoroughly after handling. Wear protective gloves and eye protection. IF ON SKIN: Wash with plenty of soap and water. Specific treatment (Wash areas of contact with water.

). If skin irritation occurs: Get medical attention. Take off contaminated clothing and wash it before reuse.

Serious Eye Damage and Irritation:

Not applicable.

Respiratory Sensitization:

Not applicable.

Skin Sensitization:

Not applicable.

Germ Cell Mutagenicity:

Not applicable.

Carcinogenicity:

Not applicable.

Product Number: RPMX199N Page 11 of 23

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

Not applicable.

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.

Product Number: RPMX199N Page 12 of 23



SECTION 14: Transportation Information

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

Sizes: 250 mL, 500 mL

UN Number: UN3264

Proper Shipping Name: Corrosive Liquid, Acidic, Inorganic, n.o.s. (Hydrochloric Acid)

Hazard Class: 8

Packing Group: |||

Hazard Label(s):



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

Sizes: 250 mL, 500 mL

UN Number: UN3264

Proper Shipping Name: Corrosive Liquid, Acidic, Inorganic, n.o.s. (Hydrochloric Acid)

Hazard Class: 8

Packing Group: |||

Hazard Label(s):



14.3 Transportation of Dangerous Goods (TDG, Canada)

Sizes: 250 mL, 500 mL

UN Number: UN3264

Proper Shipping Name: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (hydrochloric acid)

Hazard Class: 8

Packing Group: |||

Hazard Label(s):



Product Number: RPMX199N Page 13 of 23

SECTION 15: Regulatory Information

15.1. Occupational Safety and Health Administration (OSHA) Hazards

Lead (CAS # 7439-92-1): "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, inorgan compounds [RR-00538-9]

Lead (CAS # 7439-92-1): 30 μg/m3 Action Level (See 29 CFR 1910.1025); 50 μg/m3 TWA (See 29 CFR 1910.1025)

Arsenic (CAS # 7440-38-2): "10 μ g/m3 TWA (See 29 CFR 1910.1018, except Arsine, as As); 5 μ g/m3 Action Level (See 29 CFR 1910.1018, except Arsine, as As)" As Inorganic arsenic compounds [RR-00065-7]

Beryllium (CAS # 7440-41-7): $0.2 \mu g/m3 TWA$ (See 29 CFR 1910.1024); $0.1 \mu g/m3$ Action Level (See 29 CFR 1910.1024); $2.0 \mu g/m3$ STEL (See 29 CFR 1910.1024, 15 min)

Cadmium (CAS # 7440-43-9): "5 μg/m3 TWA (See 29 CFR 1910.1027, as Cd); 2.5 μg/m3 Action Level (as Cd)" As Cadmium compounds [RR-00559-4]

Cadmium (CAS # 7440-43-9): 5 μ g/m3 TWA (See 29 CFR 1910.1027); 2.5 μ g/m3 Action Level

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)

Hydrofluoric Acid (CAS # 7664-39-3): 100 lb EPCRA RQ

Hydrofluoric Acid (CAS # 7664-39-3): 100 lb TPQ

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

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

Product Number: RPMX199N Page 14 of 23



Safety Data Sheet

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

Lead (CAS # 7439-92-1): 10 lb final RQ (no reporting of releases of this hazardous substance is required if the diameter of the pieces of the solid metal released is >100 μ m); 4.54 kg final RQ (no reporting of releases of this hazardous substance is required if the diameter of the pieces of the solid metal released is >100 μ m)

Nickel (CAS # 7440-02-0): 100 lb final RQ (no reporting of releases of this hazardous substance is required if the diameter of the pieces of the solid metal released is $>100 \mu m$); 45.4 kg final RQ (no reporting of releases of this hazardous substance is required if the diameter of the pieces of the solid metal released is $>100 \mu m$)

Arsenic (CAS # 7440-38-2): 1 lb final RQ (no reporting of releases of this hazardous substance is required if the diameter of the pieces of the solid me released is $>100 \mu m$); 0.454 kg final RQ (no reporting of releases of this hazardous substance is required if the diameter of the pieces of the solid met released is $>100 \mu m$)

Arsenic (CAS # 7440-38-2): 1 lb final RQ; 0.454 kg final RQ

Beryllium (CAS # 7440-41-7): 10 lb final RQ (no reporting of releases of this hazardous substance is required if the diameter of the pieces of the solid metal released is >100 µm); 4.54 kg final RQ (no reporting of releases of this hazardous substance is required if the diameter of the pieces of the solid metal released is >100 µm)

Cadmium (CAS # 7440-43-9): 10 lb final RQ (no reporting of releases of this hazardous substance is required if the diameter of the pieces of the solid metal released is >100 µm); 4.54 kg final RQ (no reporting of releases of this hazardous substance is required if the diameter of the pieces of the solid metal released is >100 µm)

Chromium (CAS # 7440-47-3): 10 lb final RQ; 4.54 kg final RQ

Chromium (CAS # 7440-47-3): 5000 lb final RQ (no reporting of releases of this hazardous substance is required if the diameter of the pieces of the sometal released is >100 µm); 2270 kg final RQ (no reporting of rele

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

Barium Chloride (CAS # 10361-37-2): "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] Barium Chloride (CAS # 10361-37-2): 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)

Molybdenum Trioxide (CAS # 1313-27-5): 0.1 % de minimis concentration

Aluminum (CAS # 7429-90-5): 1.0 % de minimis concentration (dust or fume only)

Lead (CAS # 7439-92-1): "100 lb RT" As Lead compounds [RR-00630-4]

Lead (CAS # 7439-92-1): "not eligible for the de minimis exemption, listed under Chemical Category N420" As Inorganic lead compounds [RR-00538-1] "not eligible for the de minimis exemption" As Lead compounds [RR-00630-4]

Lead (CAS # 7439-92-1): 100 lb RT (this lower threshold does not apply to lead when it is contained in stainless steel, brass or bronze alloy)

Lead (CAS # 7439-92-1): not eligible for the de minimis exemption

Manganese (CAS # 7439-96-5): "1.0 % de minimis concentration (includes any unique chemical substance that contains Manganese as part of that chemical's infrastructure, listed under Chemical Category N450)" As Manganese compounds [RR-00602-0]

Manganese (CAS # 7439-96-5): 1.0 % de minimis concentration

Nickel (CAS # 7440-02-0): "0.1 % de minimis concentration (includes any unique chemical substance that contains Nickel as part of that chemical's infrastructure, listed under Chemical Category N495)" As Nickel compounds [RR-00800-4]

Nickel (CAS # 7440-02-0): 0.1 % de minimis concentration

Arsenic (CAS # 7440-38-2): "0.1 % de minimis concentration (includes any unique chemical substance that contains Arsenic as part of that chemical's infrastructure, listed under Chemical Category N020)" As Arsenic, inorganic compo

Product Number: RPMX199N Page 15 of 23



15.5. Massachusetts Right-to-Know Substance List

Molybdenum Trioxide (CAS # 1313-27-5): Present

Aluminum (CAS # 7429-90-5): Present Lead (CAS # 7439-92-1): Teratogen Manganese (CAS # 7439-96-5): Present

Nickel (CAS # 7440-02-0): Carcinogen; Extraordinarily hazardous Arsenic (CAS # 7440-38-2): Carcinogen; Extraordinarily hazardous Beryllium (CAS # 7440-41-7): Carcinogen; Extraordinarily hazardous Cadmium (CAS # 7440-43-9): Carcinogen; Extraordinarily hazardous

Chromium (CAS # 7440-47-3): Carcinogen; Extraordinarily hazardous

Cobalt (CAS # 7440-48-4): Present Copper (CAS # 7440-50-8): Present Zinc (CAS # 7440-66-6): Present

Selenium Dioxide (CAS # 7446-08-4): Present

Hydrochloric Acid (CAS # 7647-01-0): Extraordinarily hazardous Hydrofluoric Acid (CAS # 7664-39-3): Extraordinarily hazardous Nitric Acid (CAS # 7697-37-2): Extraordinarily hazardous

Ammonium Metavanadate (CAS # 7803-55-6): Present

Product Number: RPMX199N Page 16 of 23



Safety Data Sheet

15.6. Pennsylvania Right-to-Know Hazardous Substances

Barium Chloride (CAS # 10361-37-2): "Environmental hazard" As Barium compounds [RR-00555-0]

Barium Chloride (CAS # 10361-37-2): "Present" As Barium compounds [RR-00555-0]

Barium Chloride (CAS # 10361-37-2): Environmental hazard

Barium Chloride (CAS # 10361-37-2): Present

Molybdenum Trioxide (CAS # 1313-27-5): Environmental hazard

Molybdenum Trioxide (CAS # 1313-27-5): Present

Aluminum (CAS # 7429-90-5): Environmental hazard; Present (dust)

Aluminum (CAS # 7429-90-5): Present

Lead (CAS # 7439-92-1): "Environmental hazard" As Lead compounds [RR-00630-4]

Lead (CAS # 7439-92-1): "Present" As Lead compounds [RR-00630-4]

Lead (CAS # 7439-92-1): Environmental hazard

Lead (CAS # 7439-92-1): Present

Manganese (CAS # 7439-96-5): "Environmental hazard" As Manganese compounds [RR-00602-0]

Manganese (CAS # 7439-96-5): "Present" As Manganese compounds [RR-00602-0]

Manganese (CAS # 7439-96-5): Environmental hazard

Manganese (CAS # 7439-96-5): Present

Nickel (CAS # 7440-02-0): "Environmental hazard" As Nickel compounds [RR-00800-4]

Nickel (CAS # 7440-02-0): "Present" As Nickel compounds [RR-00800-4]

Nickel (CAS # 7440-02-0): Environmental hazard

Nickel (CAS # 7440-02-0): Environmental hazard; Special hazardous substance

Nickel (CAS # 7440-02-0): Present

Arsenic (CAS # 7440-38-2): "Environmental hazard" As Arsenic compounds [RR-00625-7]

Arsenic (CAS # 7440-38-2): "Present" As Arsenic compounds [RR-00625-7]

Arsenic (CAS # 7440-38-2): Environmental hazard (including inorganic); Special hazardous substance

Arsenic (CAS # 7440-38-2): Present

Arsenic (CAS # 7440-38-2): Present (including inorganic)

Beryllium (CAS # 7440-41-7): "Environmental hazard" As Beryllium compounds [RR-00557-2]

Beryllium (CAS # 7440-41-7): "Present" As Beryllium compounds [RR-00557-2]

Beryllium (CAS # 7440-41-7): Environmental hazard (dust; metal); Special hazardous substance

Beryllium (CAS # 7440-41-7): Present

Beryllium (CAS # 7440-41-7): Present (dust; metal)

Cadmium (CAS # 7440-43-9): "Environmental hazard" As

Product Number: RPMX199N Page 17 of 23

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

Barium Chloride (CAS # 10361-37-2): "SN 2146 500 lb TPQ (except Barium sulfate CAS number 7727-43-7, Category Code N040. Includes any unique chemical substance that contains the named metal as part of that chemical structure)" As Barium compounds [RR-00555-0]

Barium Chloride (CAS # 10361-37-2): "sn 2146" As Barium compounds [RR-00555-0]

Barium Chloride (CAS # 10361-37-2): sn 2146

Barium Chloride (CAS # 10361-37-2): SN 2146 500 lb TPQ (except Barium sulfate CAS number 7727-43-7, Category Code N040. Includes any unique chemical substance that contains the named metal as part of that chemical structure)

Molybdenum Trioxide (CAS # 1313-27-5): sn 1312

Molybdenum Trioxide (CAS # 1313-27-5): SN 1312 500 lb TPQ

Aluminum (CAS # 7429-90-5): flammable - third degree

Aluminum (CAS # 7429-90-5): sn 0054

Aluminum (CAS # 7429-90-5): SN 0054 500 lb TPQ (dust or fume)

Lead (CAS # 7439-92-1): "carcinogen" As Lead compounds [RR-00630-4]

Lead (CAS # 7439-92-1): "SN 2266 500 lb TPQ (Category Code N420. Includes any unique chemical substance that contains the named metal as par of that chemical structure)" As Lead compounds [RR-00630-4]

Lead (CAS # 7439-92-1): "sn 2266" As Lead compounds [RR-00630-4]

Lead (CAS # 7439-92-1): carcinogen; teratogen

Lead (CAS # 7439-92-1): sn 1096

Lead (CAS # 7439-92-1): SN 1096 500 lb TPQ

Manganese (CAS # 7439-96-5): "SN 2324 500 lb TPQ (Category Code N450. Includes any unique chemical substance that contains the named metal as part of that chemical structure)" As Manganese compounds [RR-00602-0]

Manganese (CAS # 7439-96-5): "sn 2324" As Manganese compounds [RR-00602-0]

Manganese (CAS # 7439-96-5): flammable - third degree

Manganese (CAS # 7439-96-5): sn 1155

Manganese (CAS # 7439-96-5): SN 1155 500 lb TPQ

Nickel (CAS # 7440-02-0): "carcinogen" As Nickel compounds [RR-00800-4]

Nickel (CAS # 7440-02-0): "SN 2366 500 lb TPQ (Category Code N495. Includes any unique chemical substance that contains the named metal as part of that chemical structure)" As Nickel

Product Number: RPMX199N Page 18 of 23

15.8. California Proposition 65

Molybdenum Trioxide (CAS # 1313-27-5): carcinogen, 3/19/2021

Lead (CAS # 7439-92-1): "carcinogen, 10/1/1992" As Lead compounds [RR-00630-4]

Lead (CAS # 7439-92-1): 15 μg/day NSRL (oral) Lead (CAS # 7439-92-1): carcinogen, 10/1/1992

Lead (CAS # 7439-92-1): developmental toxicity, 2/27/1987

Lead (CAS # 7439-92-1): female reproductive toxicity 2/27/87

Lead (CAS # 7439-92-1): male reproductive toxicity, 2/27/87

Nickel (CAS # 7440-02-0): "carcinogen, 5/7/2004" As Nickel compounds [RR-00800-4]

Nickel (CAS # 7440-02-0): carcinogen, 10/1/1989 (metallic)

Arsenic (CAS # 7440-38-2): "0.06 µg/day NSRL (inhalation, listed under Arsenic); 10 µg/day NSRL (except inhalation, listed under Arsenic)" As Arseni

inorganic compounds [RR-00065-7]

Arsenic (CAS # 7440-38-2): "carcinogen, 2/27/1987" As Arsenic, inorganic compounds [RR-00065-7]

Arsenic (CAS # 7440-38-2): 0.06 µg/day NSRL (inhalation); 10 µg/day NSRL (except inhalation)

Beryllium (CAS # 7440-41-7): "carcinogen, 10/1/1987" As Beryllium compounds [RR-00557-2]

Beryllium (CAS # 7440-41-7): $0.1 \mu g/day NSRL$

Beryllium (CAS # 7440-41-7): carcinogen, 10/1/1987

Cadmium (CAS # 7440-43-9): "carcinogen, 10/1/1987" As Cadmium compounds [RR-00559-4]

Cadmium (CAS # 7440-43-9): 0.05 µg/day NSRL (inhalation)

Cadmium (CAS # 7440-43-9): carcinogen, 10/1/1987

Cadmium (CAS # 7440-43-9): developmental toxicity, 5/1/1997

Cadmium (CAS # 7440-43-9): male reproductive toxicity, 5/1/97

Cobalt (CAS # 7440-48-4): carcinogen, 7/1/1992 (powder)

Product Number: RPMX199N Page 19 of 23



Safety Data Sheet

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

Calcium Chloride Dihydrate (CAS # 10035-04-8): Present (DSL)

Barium Chloride (CAS # 10361-37-2): Present (DSL)

Molybdenum Trioxide (CAS # 1313-27-5): Present (DSL)

Sodium Carbonate (CAS # 497-19-8): Present (DSL)

Potassium Carbonate (CAS # 584-08-7): Present (DSL)

Aluminum (CAS # 7429-90-5): Present (DSL)

Iron (CAS # 7439-89-6): Present (DSL)

Lead (CAS # 7439-92-1): Present (DSL)

Manganese (CAS # 7439-96-5): Present (DSL)

Nickel (CAS # 7440-02-0): Present (DSL)

Arsenic (CAS # 7440-38-2): Present (DSL)

Beryllium (CAS # 7440-41-7): Present (DSL)

Cadmium (CAS # 7440-43-9): Present (DSL)

Chromium (CAS # 7440-47-3): Present (DSL)

Cobalt (CAS # 7440-48-4): Present (DSL)

Copper (CAS # 7440-50-8): Present (DSL)

Zinc (CAS # 7440-66-6): Present (DSL)

Selenium Dioxide (CAS # 7446-08-4): Present (DSL)

Selenium Dioxide (CAS # 7446-08-4): Present (NDSL)

Hydrochloric Acid (CAS # 7647-01-0): Present (DSL)

Hydrofluoric Acid (CAS # 7664-39-3): Present (DSL)

Nitric Acid (CAS # 7697-37-2): Present (DSL)

Water (CAS # 7732-18-5): Present (DSL)

Magnesium Chloride (CAS # 7786-30-3): Present (DSL)

Ammonium Metavanadate (CAS # 7803-55-6): 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.

Product Number: RPMX199N Page 20 of 23



Safety Data Sheet

Calcium Chloride Dihydrate (CAS # 10035-04-8): Present (ACTIVE)

Barium Chloride (CAS # 10361-37-2): Present (ACTIVE)

Molybdenum Trioxide (CAS # 1313-27-5): Present (ACTIVE)

Sodium Carbonate (CAS # 497-19-8): Present (ACTIVE)

Potassium Carbonate (CAS # 584-08-7): Present (ACTIVE)

Aluminum (CAS # 7429-90-5): Present (ACTIVE)

Iron (CAS # 7439-89-6): Present (ACTIVE)

Lead (CAS # 7439-92-1): Present (ACTIVE)

Manganese (CAS # 7439-96-5): Present (ACTIVE)

Nickel (CAS # 7440-02-0): Present (ACTIVE)

Arsenic (CAS # 7440-38-2): Present (ACTIVE)

Beryllium (CAS # 7440-41-7): Present (ACTIVE)

Cadmium (CAS # 7440-43-9): Present (ACTIVE)

Chromium (CAS # 7440-47-3): Present (ACTIVE)

0.1 11 (0.40 # 7440 40 4) B

Cobalt (CAS # 7440-48-4): Present (ACTIVE)

Copper (CAS # 7440-50-8): Present (ACTIVE)

Zinc (CAS # 7440-66-6): Present (ACTIVE)

Selenium Dioxide (CAS # 7446-08-4): Present (ACTIVE)

Hydrochloric Acid (CAS # 7647-01-0): Present (ACTIVE)

Hydrofluoric Acid (CAS # 7664-39-3): Present (ACTIVE)

Nitric Acid (CAS # 7697-37-2): Present (ACTIVE)

Water (CAS # 7732-18-5): Present (ACTIVE)

Magnesium Chloride (CAS # 7786-30-3): Present (ACTIVE)

Ammonium Metavanadate (CAS # 7803-55-6): Present (ACTIVE)

Product Number: RPMX199N Page 21 of 23



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

Calcium Chloride Dihydrate (CAS # 10035-04-8): 233-140-8

Barium Chloride (CAS # 10361-37-2): 233-788-1

Molybdenum Trioxide (CAS # 1313-27-5): 215-204-7

Molybdenum Trioxide (CAS # 1313-27-5): 234-321-4

Sodium Carbonate (CAS # 497-19-8): 207-838-8

Sodium Carbonate (CAS # 497-19-8): 231-420-4

Potassium Carbonate (CAS # 584-08-7): 209-529-3

Potassium Carbonate (CAS # 584-08-7): 241-378-9

Aluminum (CAS # 7429-90-5): 231-072-3

Iron (CAS # 7439-89-6): 231-096-4

Lead (CAS # 7439-92-1): 231-100-4

Manganese (CAS # 7439-96-5): 231-105-1

Nickel (CAS # 7440-02-0): 231-111-4

Arsenic (CAS # 7440-38-2): 231-148-6

Beryllium (CAS # 7440-41-7): 231-150-7

Cadmium (CAS # 7440-43-9): 231-152-8

Chromium (CAS # 7440-47-3): 231-157-5

Cobalt (CAS # 7440-48-4): 231-158-0

Copper (CAS # 7440-50-8): 231-159-6

Zinc (CAS # 7440-66-6): 231-175-3

Selenium Dioxide (CAS # 7446-08-4): 231-194-7

Selenium Dioxide (CAS # 7446-08-4): 235-738-4

Hydrochloric Acid (CAS # 7647-01-0): 231-595-7

Hydrofluoric Acid (CAS # 7664-39-3): 231-634-8

Nitric Acid (CAS # 7697-37-2): 231-714-2

Water (CAS # 7732-18-5): 231-791-2

Magnesium Chloride (CAS # 7786-30-3): 232-094-6

Ammonium Metavanadate (CAS # 7803-55-6): 232-261-3

Product Number: RPMX199N Page 22 of 23



SECTION 16: Other Information

16.1. Full Text of Hazard Statements and Precautionary Statements

May be corrosive to metals. Causes skin irritation.

Keep only in original container. Wash arms, hands and face thoroughly after handling. Wear protective gloves and eye protection.

IF ON SKIN: Wash with plenty of soap and water. Specific treatment (Wash areas of contact with water.

). If skin irritation occurs: Get medical attention. Take off contaminated clothing and wash it before reuse. Absorb spillage to prevent material damage.

Store in corrosive resistant container with a resistant inner liner.

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.

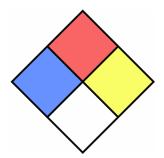
16.3. National Fire Protection Association (NFPA) Rating

Health:

Flammability:

Reactivity:

Special Hazard:



16.4. Document Revision

Last Revision Date: 2024-08-10

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.

Product Number: RPMX199N Page 23 of 23