SECTION 1: Identification

1.1. Product Identifier

Trade Name or Designation: Water Hardness Buffer, Odorless

Product Number: 9205

Other Identifying Product Numbers: 9205-1, 9205-16, 9205-32

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 hr)

CHEMTREC (USA) 800-424-9300 CHEMTREC (International) 1+ 703-527-3887

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RICCA CHEMICAL COMPANY®

Safety Data Sheet

SECTION 2: Hazard(s) Identification

2.1. Classification of the Substance or Mixture (in accordance with OSHA HCS 29 CFR 1910.1200)

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

		Hazard	
Hazard Class	Category	Statement	Precautionary Statements
Acute Toxicity - Oral	Category 4	H302	P264, P270, P301+P312, P330, P501
Acute Toxicity - Dermal	Category 3	H311	P280, P302+P352, P312, P321, P361, P405, P501
Acute Toxicity - Inhalation	Category 4	H332	P261, P271, P304+P340, P312
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
Respiratory Sensitizer	Category 1	H334	P261, P285, P304+P341, P342+P311, P501
Skin Sensitizer	Category 1	H317	P261, P272, P280, P302+P352, P332+P313,
			P321, P363, P501
Reproductive Toxicity	Category 2	H361	P201, P202, P280, P308+P313, P405, P501
Specific Target Organs/Systemic Toxicity Following Single	Category 1	H370	P260, P264, P270, P307+P311, P321, P405, P501
Exposure			
Specific Target Organs/Systemic Toxicity Following Repeated	Category 1	H372	P260, P264, P270, P314, P501
Exposure			
Corrosive to Metals	Category 1	H290	P234, P390, P406
Hazardous to the Aquatic Environment (Acute)	Category 2	H401	P273, P501

2.2. GHS Label Elements

Pictograms:









Signal Word: Danger

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Hazard Statements:

Hazard Number	Hazard Statement
H290	May be corrosive to metals.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H332	Harmful if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H361	Suspected of damaging fertility or the unborn child.
H370	Causes damage to organs.
H372	Causes damage to organs through prolonged or repeated exposure.
H401	Toxic to aquatic life.

Product Number: 9205 Page **3** of **13**

Precautionary Statements

Precautionary Number P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P234 Keep only in original container. P260 Do not breathe dust, furnes or mist. P261 Avoid breathing dust, furnes or mist. P261 Avoid breathing dust, furnes or mist. P262 Wash arms, hands and face thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P271 Use only outdoors or in a well-ventilated area. P272 Contaminated work clothing must not be allowed out of the workplace. P273 Avoid release to the environment. P280 Wear protective gloves and eye protection. P281 In case of inadequate ventilation wear respiratory protection. P301-P312 IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell. P301-P321 IF SWALLOWED: Trinse mouth. Do NOT induce vorniting. P304-P343 IF NSKIN. Wash with plently of soap and water. P304-P343 IF IN INFALED: Remove person to fresh air and keep comfortable for breathing. P304-P341 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P304-P341 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P304-P341 IF EYES. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to d continue rinsing. P304-P341 IF exposed or concerned: Get medical attention. P304-P341 IF exposed or concerned: Get medical attention. P304-P341 IF exposed or concerned: Get medical attention. P304-P341 If exposed attention if you feel unwell. P304-P313 If so price treatment (Wash areas of contact with water). P304-P313 If skin irritation occurs: Get medical attention. P304-P314 If skin irritation occurs: Get medical attention. P304-P315 If skin irritation occurs: Get medical attention. P304-P316 If skin irritation occurs: Get medical attention. P304-P317 If skin irritation occurs: Get medical attention. P304-P318 Vash contaminated clothing and wash it before reuse. P304 Store in corrosive resistant container with a resistant inner liner. P305 Store locked	Precautionary Statements:	
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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. P304+P341 IF INHALED: If breathing is difficult, 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 d Continue rinsing. P307+P311 IF exposed: Call a POISON CENTER or physician. P308+P313 IF exposed or concerned: Get medical attention. P310 Immediately call a POISON CENTER or physician. P312 Call a POISON CENTER or physician if you feel unwell. P314 Get medical attention if you feel unwell. P321 Specific treatment (Wash areas of contact with water). P330 Rinse mouth. P332+P313 If skin irritation occurs: Get medical attention. P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER or physician. P363 Take off immediately all contaminated clothing and wash it before reuse. P360 Absorb spillage to prevent material damage. P405 Store locked up. P406 Store in corrosive resistant container with a resistant inner liner.	P301+P330+P331	IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
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P304+P341 IF INHALED: If breathing is difficult, 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 d Continue rinsing. P307+P311 IF exposed: Call a POISON CENTER or physician. P308+P313 IF exposed or concerned: Get medical attention. P310 Immediately call a POISON CENTER or physician. P312 Call a POISON CENTER or physician if you feel unwell. P314 Get medical attention if you feel unwell. P321 Specific treatment (Wash areas of contact with water). P332+P313 If skin irritation occurs: Get medical attention. P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER or physician. P361 Take off immediately all contaminated clothing and wash it before reuse. P363 Wash contaminated clothing before reuse. P360 Absorb spillage to prevent material damage. P405 Store in corrosive resistant container with a resistant inner liner.	P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to d Continue rinsing. P307+P311 IF exposed: Call a POISON CENTER or physician. P308+P313 IF exposed or concerned: Get medical attention. P310 Immediately call a POISON CENTER or physician. P312 Call a POISON CENTER or physician if you feel unwell. P314 Get medical attention if you feel unwell. P321 Specific treatment (Wash areas of contact with water). P330 Rinse mouth. P332+P313 If skin irritation occurs: Get medical attention. P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER or physician. P361 Take off immediately all contaminated clothing and wash it before reuse. P363 Wash contaminated clothing before reuse. P390 Absorb spillage to prevent material damage. P405 Store locked up. P406 Store in corrosive resistant container with a resistant inner liner.	P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Continue rinsing. P307+P311 IF exposed: Call a POISON CENTER or physician. P308+P313 IF exposed or concerned: Get medical attention. P310 Immediately call a POISON CENTER or physician. P311 Call a POISON CENTER or physician if you feel unwell. P312 Get medical attention if you feel unwell. P313 Specific treatment (Wash areas of contact with water). P330 Rinse mouth. P332+P313 If skin irritation occurs: Get medical attention. P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER or physician. P361 Take off immediately all contaminated clothing and wash it before reuse. P363 Wash contaminated clothing before reuse. P390 Absorb spillage to prevent material damage. P405 Store locked up. P406 Store in corrosive resistant container with a resistant inner liner.	P304+P341	IF INHALED: If breathing is difficult, remove person to fresh air and keep comfortable for breathing.
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P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER or physician. P361 Take off immediately all contaminated clothing and wash it before reuse. P363 Wash contaminated clothing before reuse. P390 Absorb spillage to prevent material damage. P405 Store locked up. P406 Store in corrosive resistant container with a resistant inner liner.		
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P405 Store locked up. P406 Store in corrosive resistant container with a resistant inner liner.	P363	Wash contaminated clothing before reuse.
P406 Store in corrosive resistant container with a resistant inner liner.		Absorb spillage to prevent material damage.
	P405	Store locked up.
P501 Dispose of contents in accordance with local, state, federal and international regulations.	P406	Store in corrosive resistant container with a resistant inner liner.
	P501	Dispose of contents in accordance with local, state, federal and international regulations.

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2.3. WHMIS Classification

WHMIS classification is not included based on the recommended option (Option 4) found in the Canada Gazette Part II, Vol. 149, No.3, page 458

2.4. Hazards not Otherwise Classified or Covered by GHS

Data not available.

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	67.17%
Monoethanolamine	HOCH ₂ CH ₂ NH ₂	61.08 g/mol	141-43-5	29.76%
Hydrochloric Acid	HCI	36.46 g/mol	7647-01-0	2.35%
Ethylenediaminetetraacetic Acid (EDTA), Disodium Salt,	$C_{10}H_{14}N_2O_8Na_2\cdot 2H_2O$	Data not available.	6381-92-6	0.46%
Dihydrate				
Magnesium Chloride Hexahydrate	MgCl ₂ ·6H ₂ O	Data not available.	7791-18-6	0.25%

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.

May cause irritation with burning and stinging with possible damage to the cornea and conjunctiva.

Inhalation: IF INHALED: If breathing is difficult, 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. May cause irritation, redness, and

pain.

Ingestion: IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Do not induce vomiting. Give large quantity of water. Call a physician

immediately.

4.2. Most Important Symptoms and Effects, Acute and Delayed

CAUTION! Corrosive. Avoid inhalation or contact with skin, eyes, or clothing. Wash areas of contact with plenty of water for at least 15 minutes. For eyes, get medical attention. Harmful if swallowed. Do not pipet by mouth. If ingested, dilute with water or milk. Do not induce vomiting. Call a physician. EYE CONTACT: May cause irritation with burning and stinging with possible damage to the cornea and conjunctiva. SKIN CONTACT: May cause irritation, redness, and pain. CHRONIC EFFECTS / CARCINOGENICITY: Prolonged or repeated exposure may cause dermatitis.

4.3. Medical Attention or Special Treatment Needed

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

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SECTION 5: Fire-Fighting Measures

5.1. Extinguishing Media

Water spray, dry chemical powder, alcohol foam, polymer foam, carbon dioxide

5.2. Specific Hazards Arising from the Substance or Mixture

Combustible liquid. Combustion may produce irritants and toxic gases.

5.3. Special Protective Equipment for Firefighters

Wear special protective clothing and positive pressure self-contained breathing apparatus. Butyl rubber, Neoprene, nitrile rubber, or Viton barrier recommended.

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 in noncombustible material for proper disposal.

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.

SECTION 8: Exposure Controls / Personal Protection

8.1. Control Parameters

Chemical Name	Limit Type	Country	Exposure Limit	Information Source
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	U.S OSHA - Final PELs - Ceiling Limits
			7 mg/m³ Ceiling	
Monoethanolamine (141-43-5)	TWA	USA	3 ppm TWA	U.S OSHA - Final PELs - Time Weighted
			6 mg/m³ TWA	Averages (TWAs)
Monoethanolamine (141-43-5)	TLV-STEL	USA	6 ppm STEL	ACGIH - Threshold Limit Values - Short
				Term Exposure Limits (TLV-STEL)
Monoethanolamine (141-43-5)	TLV-TWA	USA	3 ppm TWA	ACGIH - Threshold Limit Values - Time
				Weighted Averages (TLV-TWA)

8.2. Exposure Controls

Engineering Controls: Use only outdoors or in a well-ventilated area. A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limit.

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Respiratory Protection: In case of inadequate ventilation wear respiratory protection. Normal room ventilation is adequate. If the exposure

limit is exceeded, a full facepiece respirator with organic vapor cartridge may be worn.

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. In case of inadequate ventilation wear respiratory protection. Normal room ventilation is adequate. If the exposure limit is exceeded, a full facepiece respirator with organic vapor cartridge may be worn. Chemical resistant gloves. Safety glasses or goggles

SECTION 9: Physical and Chemical Properties

9.1. Basic Physical and Chemical Properties

Appearance: Colorless to slightly yellow liquid

Physical State: Liquid

Odor: Data not available.

Odor Threshold: Data not available.

pH: Data not available.

Melting/Freezing Point: Approximately 0°C

Initial Boiling Point /Range: Approximately 100°C - Approximately 100°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: 1.02

Solubility: Miscible

Partition Coefficient (n-Octanol/Water): Data not available.

Auto-Ignition Temperature: Data not available.

Decomposition Temperature: Data not available.

Viscosity: Data not available.

ExplosiveProperties: Data not available. **Oxidizing Properties:** Data not available.

SECTION 10: Stability and Reactivity

10.1. Reactivity and Chemical Stability

Stable under normal conditions of use and storage.

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10.2. Possibility of Hazardous Reactions

Data not available.

10.3. Conditions to Avoid and Incompatible Materials

Keep only in original container. Copper, copper alloys, galvanized iron, acids, and oxidizers.

10.4. Hazardous Decomposition Products

Will not occur.

SECTION 11: Toxicological Information

11.1. Information on Toxicological Effects

Acute Toxicity - Oral Exposure:

Harmful if swallowed. Wash arms, hands and face thoroughly after handling. Do not eat, drink or smoke when using this product. IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell. Rinse mouth. Dispose of contents in accordance with local, state, federal and international regulations.

Acute Toxicity - Dermal Exposure:

Toxic in contact with skin. Wear protective gloves and eye protection. IF ON SKIN: Wash with plenty of soap and water. Call a POISON CENTER or physician if you feel unwell. Specific treatment (Wash areas of contact with water). Take off immediately all contaminated clothing and wash it before reuse. Store locked up. Dispose of contents in accordance with local, state, federal and international regulations.

Acute Toxicity - Inhalation Exposure:

Harmful if inhaled. Avoid breathing dust, fumes or mist. Use only outdoors or in a well-ventilated area. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or physician if you feel unwell.

Acute Toxicity - Other Information:

LD50, Oral, Rat: (Ethanolamine) 1720 mg/kg, (EDTA Disodium anhydrous) 2000 mg/kg, (Magnesium Chloride Hexahydrate) 8100 mg/kg, details of toxic effects not reported other than lethal dose value. 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 severe skin burns and eye damage. Do not breathe dust, fumes or mist. 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). 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.

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Respiratory Sensitization:

May cause allergy or asthma symptoms or breathing difficulties if inhaled. Avoid breathing dust, fumes or mist. In case of inadequate ventilation wear respiratory protection. IF INHALED: If breathing is difficult, remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or physician. Dispose of contents in accordance with local, state, federal and international regulations.

Skin Sensitization:

May cause an allergic skin reaction. Avoid breathing dust, fumes or mist. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves and eye protection. IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical attention. Specific treatment (Wash areas of contact with water). Wash contaminated clothing before reuse. Dispose of contents in accordance with local, state, federal and international regulations.

Germ Cell Mutagenicity:

Not applicable.

Carcinogenicity:

Not applicable.

Reproductive Toxicity:

Suspected of damaging fertility or the unborn child. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves and eye protection. IF exposed or concerned: Get medical attention. Store locked up. Dispose of contents in accordance with local, state, federal and international regulations.

Specific Target Organ Toxicity from Single Exposure:

Causes damage to organs. Do not breathe dust, fumes or mist. Wash arms, hands and face thoroughly after handling. Do not eat, drink or smoke when using this product. IF exposed: Call a POISON CENTER or physician. Specific treatment (Wash areas of contact with water). Store locked up. Dispose of contents in accordance with local, state, federal and international regulations.

Specific Target Organ Toxicity from Repeated Exposure:

Causes damage to organs through prolonged or repeated exposure. Do not breathe dust, fumes or mist. Wash arms, hands and face thoroughly after handling. Do not eat, drink or smoke when using this product. Get medical attention if you feel unwell. Dispose of contents in accordance with local, state, federal and international regulations.

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.

12.2. Persistence and Degradability

Data not available.

12.3. Bioaccumulative Potential

Data not available.

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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)

UN Number: UN1760

Proper Shipping Name: Corrosive Liquid, n.o.s., (Monoethanolamine and Hydrochloric Acid)

Hazard Class: 8

Packing Group: |||

Hazard Placard Labels:



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

UN Number: UN1760

Proper Shipping Name: Corrosive Liquid, n.o.s., (Monoethanolamine and Hydrochloric Acid)

Hazard Class: 8

Packing Group: |||

Hazard Placard Labels:



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)

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

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

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

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)

15.5. Massachusetts Right-to-Know Substance List

Monoethanolamine (CAS # 141-43-5): Present

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

15.6. Pennsylvania Right-to-Know Hazardous Substances

Monoethanolamine (CAS # 141-43-5): Present

Hydrochloric Acid (CAS # 7647-01-0): Environmental hazard

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

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

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

Monoethanolamine (CAS # 141-43-5): corrosive

Monoethanolamine (CAS # 141-43-5): sn 0835

Hydrochloric Acid (CAS # 7647-01-0): corrosive

Hydrochloric Acid (CAS # 7647-01-0): sn 1012

Hydrochloric Acid (CAS # 7647-01-0): SN 1012 TPQ: 500 lb (>=37% concentration); SN 2909 TPQ: 500 lb (Hydrogen chloride gas only. NJ uses UN1050 for reporting purposes)

15.8. California Proposition 65

Not listed.

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

Monoethanolamine (CAS # 141-43-5): Present

Ethylenediaminetetraacetic Acid (EDTA), Disodium Salt, Dihydrate (CAS # 6381-92-6): Present

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

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

Magnesium Chloride Hexahydrate (CAS # 7791-18-6): Present

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

Monoethanolamine (CAS # 141-43-5): Present

Hydrochloric Acid (CAS # 7647-01-0): Present [T]

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

Magnesium Chloride Hexahydrate (CAS # 7791-18-6): Present

15.11. European Inventory of Existing Commercial Chemical Substances (EINECS),

European List of Notified Chemical Substances (ELINCS), and No Longer Polymers (NLP)

Not listed.

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SECTION 16: Other Information

16.1. Full Text of Hazard Statements and Precautionary Statements

May be corrosive to metals. Harmful if swallowed. Toxic in contact with skin. Causes severe skin burns and eye damage. May cause an allergic skin reaction. Causes serious eye damage. Harmful if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. Suspected of damaging fertility or the unborn child. Causes damage to organs. Causes damage to organs through prolonged or repeated exposure. Toxic to aquatic life.

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep only in original container. Do not breathe dust, fumes or mist. Wash arms, hands and face thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing must not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves and eye protection. In case of inadequate ventilation wear respiratory protection.

IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell. IF ON SKIN: Wash with plenty of soap and water. 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. IF exposed: Call a POISON CENTER or physician. Get medical attention if you feel unwell. Specific treatment (Wash areas of contact with water). If skin irritation occurs: Get medical attention. If experiencing respiratory symptoms: Call a POISON CENTER or physician. Wash contaminated clothing before reuse. Absorb spillage to prevent material damage.

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.

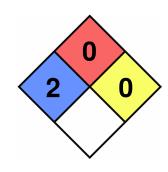
Physical Hazards Not Otherwise Classified (PHNOC): Not Applicable.

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

Not Applicable.

16.3. National Fire Protection Association (NFPA) Rating

Health: 2
Flammability: 0
Reactivity: 0
Special Hazard:



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16.4. Document Revision

Last Revision Date: 5/1/2015

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.

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