RICCA CHEMICAL COMPANY®

Safety Data Sheet

Classified According to Canada Hazardous Product Regulations SOR/2015-17 (HPR 2022)

SECTION 1: Identification

1.1. Product Identifier

Trade Name or Designation HydroSpec® Coulometric AG Oil
Anolyte Solution for Samples Insoluble in Methanol for Cells With or Without Diaphragm

Product Number RK160000

Other Identifying Product Numbers RK160000-1C, RK160000-500C

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 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

1.5. Distributor Address

Ricca Chemical Company
412 West Fork Drive
Arlington, TX 76012 USA

Safety Data Sheet

Classified According to Canada Hazardous Product Regulations SOR/2015-17 (HPR 2022)

SECTION 2: Hazard Identification

2.1. Classification of the Hazardous Product

Hazard Class	Category	Hazard Statements	Precautionary Statements
Acute Toxicity - Oral	Category 3	H301	P264,P270,P301+P310,P321,P330, P405,P501
Acute Toxicity - Dermal	Category 3	H311	P280,P302+P352,P312,P321, P361+P364,P405,P501
Acute Toxicity - Inhalation (Gases)	Category 4	H332	P261,P271,P304+P340,P312
Acute Toxicity - Inhalation (Vapors)	Category 3	H331	P261,P271,P304+P340,P311, P321,P403+P233,P405,P501
Flammable Liquids	Category 2	H225	P210,P233,P240,P241,P242,P243, P280,P303+P361+P353,P370+P378, P403+P235,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
Serious Eye Damage / Eye Irritation	Category 1	H318	P280,P305+P351+P338,P310
Germ Cell Mutagenicity	Category 2	H341	P201,P202,P280,P308+P313,P405, P501
Carcinogenicity	Category 2	H351	P201,P202,P280,P308+P313,P405, P501
Reproductive Toxicity	Category 1B	H360	P201,P202,P280,P308+P313,P405, P501
Specific Target Organ Toxicity - Single Exposure	Category 2	H371	P260,P264,P270,P308+P311, P405,P501
Specific Target Organ Toxicity - Single Exposure - Transient Effects	Category 3 - Narcotic Effects	H336	P261,P271,P304+P340,P312, P403+P233,P405,P501
Specific Target Organ Toxicity - Repeated Exposure	Category 1	H372	P260,P264,P270,P314,P501
Aspiration Hazard	Category 1	H304	P301+P310,P331,P405,P501

2.2. GHS Label Elements

Pictograms:

Signal Word: **Danger**

Safety Data Sheet

Classified According to Canada Hazardous Product Regulations SOR/2015-17 (HPR 2022)

Hazard Statements:

NOTE: Hazard statements may be combined on labels to improve clarity and readability.

Hazard Number	Hazard Statement
H225	Highly flammable liquid and vapor
H301+H311+H331	Toxic if swallowed, in contact with skin or if inhaled
H304	May be fatal if swallowed and enters airways
H314	Causes severe skin burns and eye damage
H332	Harmful if inhaled
H336	May cause drowsiness or dizziness
H341	Suspected of causing genetic defects
H351	Suspected of causing cancer
H360	May damage fertility or the unborn child
H371	May cause damage to organs
H372	Causes damage to blood, heart, kidneys, liver through prolonged or repeated exposure

Precautionary Statements:

NOTE: Precautionary statements may be combined or consolidated on labels to improve clarity and readability.

Safety Data Sheet

Classified According to Canada Hazardous Product Regulations SOR/2015-17 (HPR 2022)

Prevention

Precautionary Number	Precautionary Statement
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P240	Ground and bond container and receiving equipment.
P241	Use explosion-proof equipment.
P242	Use non-sparking tools.
P243	Take action to prevent static discharge.
P260	Do not breathe fumes or mist.
P264	Wash hands, arms, 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.
P280	Wear protective gloves and eye protection.

Response

Precautionary Number	Precautionary Statement
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
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.
P308+P311	If exposed or concerned: Call a poison center or doctor.
P314	Get medical advice or attention if you feel unwell.
P330	Rinse mouth.
P331	Do NOT induce vomiting.
P361+P364	Take off immediately all contaminated clothing and wash it before reuse.
P370+P378	In case of fire: Use dry chemical, foam, or carbon dioxide to extinguish.

Storage

Precautionary Number	Precautionary Statement
P403+P233+P235	Store in a well-ventilated place. Keep container tightly closed. Keep cool.
P405	Store locked up.

Disposal

Precautionary Number	Precautionary Statement
P501	Dispose of contents/container to suitable waste stream in accordance with local, state, federal, and international regulations.

2.3. Hazards not Otherwise Classified

No other hazards identified.

2.4. Ingredients of Unknown Acute Toxicity

15 percent of this mixture consists of ingredient(s) of unknown acute oral and inhalation toxicity. 25 percent of this mixture consists of ingredient(s) of unknown acute dermal toxicity.

SECTION 3: Composition / Information on Ingredients

3.1. Components of Mixture

Chemical Name (IUPAC)	Common Name and Synonyms	CAS Number	Weight%
methanol	Methyl Alcohol	67-56-1	45.00
chloroform	Chloroform; Trichloromethane	67-66-3	10.00
2-(2-hydroxyethylamino)ethanol	Diethanolamine; 2,2'-Iminodiethanol; Bis(2-hydroxyethyl)amine	111-42-2	10.00
dimethylbenzene, mixed isomers	Xylenes; Xylenes (o-, m-, p- isomers)	1330-20-7	10.00
1H-imidazole	Imidazole	288-32-4	10.00
Sulfur dioxide	Sulfur Dioxide; Sulphurous anhydride	7446-09-5	10.00
1H-imidazole hydroiodide	Imidazolium Iodide; Imidazole hydroiodide	68007-08-9	5.00

SECTION 4: First-Aid Measures

4.1. Description of Necessary First-Aid Measures

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

Ingestion: IF SWALLOWED: Immediately call a POISON CENTER or doctor. Dilute immediately with water or milk. Do not induce vomiting. Call a physician.

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 or shower. May cause irritation with itching, redness, burning and swelling. Prolonged contact required for serious effects, which include dermatitis.

4.2. Most Important Symptoms and Effects, Acute and Delayed

Suspected of causing genetic defects EYE CONTACT: Causes irritation. SKIN CONTACT: May cause irritation with itching, redness, burning and swelling. Prolonged contact required for serious effects, which include dermatitis. CHRONIC EFFECTS / CARCINOGENICITY: Suspected carcinogen. Prolonged or repeated exposure to vapors may cause damage to the nervous system, heart, liver and kidneys. Repeated exposure may cause chronic irritation of the skin leading possibly to dermatitis.

4.3. Immediate Medical Attention or Special Treatment Needed

Remove to fresh air. Give artificial respiration if not breathing. If breathing is difficult, give oxygen. Wash areas of contact with soap and water for at least 15 minutes. If swallowed, dilute immediately with water or milk. Do not induce vomiting. Call a physician f necessary.

SECTION 5: Fire-Fighting Measures

5.1. Extinguishing Media

In case of fire: Use dry chemical, foam, or carbon dioxide to extinguish. Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

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

Highly flammable liquid and vapor Flammable in the presence of a source of ignition when the temperature is above the flash point.

5.3. Special Protective Equipment and Precautions for Firefighters

Wear special protective clothing and positive pressure self-contained breathing apparatus. Polyvinyl alcohol or Viton barrier recommended.

SECTION 6: Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Ground and bond container and receiving equipment. Use explosion-proof equipment. Use non-sparking tools. Take action to prevent static discharge. Wear protective gloves and eye protection.

6.2. Cleanup and Containment Methods and Materials

Approach release from upwind. Stop or control the leak, if this can be done without undue risk. Control runoff and isolate discharged material for proper disposal. Do not flush to the drain.

SECTION 7: Handling and Storage

7.1. Precautions for Safe Handling and Storage Conditions

Store in a well-ventilated place. Keep container tightly closed. Keep cool. Store locked up. 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. Exposure Limits

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

Chemical Name	CAS Number	Exposure Limit
Xylenes	1330-20-7	100 ppm TWA; 435 mg/m3 TWA
Methyl Alcohol	67-56-1	200 ppm TWA; 260 mg/m3 TWA
Sulfur Dioxide	7446-09-5	5 ppm TWA; 13 mg/m3 TWA

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

Chemical Name	CAS Number	Exposure Limit
Chloroform	67-66-3	50 ppm Ceiling; 240 mg/m3 Ceiling

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

No limits found.

U.S. OSHA - Specifically Regulated Chemicals

No limits found.

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
Methyl Alcohol	67-56-1	250 ppm STEL
Sulfur Dioxide	7446-09-5	0.25 ppm STEL

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

Chemical Name	CAS Number	Exposure Limit
Diethanolamine	111-42-2	1 mg/m3 TWA (inhalable fraction and vapor)
Xylenes	1330-20-7	20 ppm TWA
Methyl Alcohol	67-56-1	200 ppm TWA
Chloroform	67-66-3	10 ppm TWA

8.2. 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.

8.3. Individual Protective Measures and Personal Protective Equipment

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: Chemical resistant gloves.

Eye Protection: Safety glasses or goggles.

SECTION 9: Physical and Chemical Properties

9.1. Physical and Chemical Properties

Physical State:	Liquid
Color:	Colorless to light yellow
Odor:	Data not available.
Odor Threshold:	Data not available.
Melting/Freezing Point:	Data not available.
Boiling Point/Range:	59°C at 1013hPa (760mmHg)
Flammability:	Data not available.
Flammability/Explosive Limits:	Data not available.
Flash Point:	9 °C
Auto-Ignition Temperature:	Data not available.
Decomposition Temperature:	Data not available.
pH:	5.0-6.0 at 20°C
Kinematic Viscosity:	Data not available.
Solubility:	Data not available.
Vapor Pressure:	Data not available.
Evaporation Rate:	Data not available.
Relative Density:	1.04
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

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Zinc, Oxidizing agents, Alkali metals, Iron, Copper, Acid chlorides, Acid anhydrides, Reducing agents, Acids, Lithium, Sodium/sodium oxides, Magnesium, heat, sparks and open flame.

10.4. Hazardous Decomposition Products

Will not occur. May form carbon oxides, nitrogen oxides, sulfur oxides, hydrogen iodide, hydrogen cyanide (hydrocyanic acid) in the case of fire.

SECTION 11: Toxicological Information

11.1. Information on Toxicological Effects

Acute Toxicity - Oral Exposure:

Oral acute toxicity estimate (ATE): 174 mg/kg(calculated)

Chemical Name	CAS Number	Toxicity
Diethanolamine	111-42-2	Oral LD50 Rat 780 mg/kg (Source: NTP)
Xylenes	1330-20-7	Oral LD50 Rat 3500 mg/kg (Source: JAPAN_GHS)
Imidazole	288-32-4	Oral LD50 Rat 970 mg/kg (Source: ECHA)
Methyl Alcohol	67-56-1	Oral LD50 Acute Toxicity Estimate 100 mg/kg (Source: ECHA)
Chloroform	67-66-3	Oral LD50 Rat 908 mg/kg (males, Source: ECHA_API); Oral LD50 Rat 1117 mg/kg (females, Source: ECHA_API)

Acute Toxicity - Dermal Exposure:

Dermal acute toxicity estimate (ATE): 471 mg/kg(calculated)

Chemical Name	CAS Number	Toxicity
Diethanolamine	111-42-2	Dermal LD50 Rabbit 11.9 mL/kg (Source: NLM_HSDB)
Xylenes	1330-20-7	Dermal LD50 Acute Toxicity Estimate 1100 mg/kg (Source: ECHA)
Methyl Alcohol	67-56-1	Dermal LD50 Acute Toxicity Estimate 300 mg/kg (Source: ECHA)
Chloroform	67-66-3	Dermal LD50 Rabbit >20 g/kg (Source: NLM_CIP)

Acute Toxicity - Inhalation Exposure:

Inhalation acute toxicity estimate (ATE, gas): 10710.0000 ppmV, 4 h(calculated); Inhalation acute toxicity estimate (ATE, vapor): 5.0411 mg/L, 4 h(c

Chemical Name	CAS Number	Toxicity
Diethanolamine	111-42-2	Inhalation LC50 Rat >3.35 mg/L 4 h (no deaths occurred, aerosol, Source: EU_CLH)
Xylenes	1330-20-7	Inhalation LC50 Acute Toxicity Estimate 11 mg/L 4 h (Source: ECHA)
Methyl Alcohol	67-56-1	Inhalation LC50 Acute Toxicity Estimate 3 mg/L 4 h (Source: ECHA)
Chloroform	67-66-3	Inhalation LC50 Rat 10.5 mg/L 4 h (vapor, Source: ECHA_API)
Sulfur Dioxide	7446-09-5	Inhalation LC50 Rat 1260 ppm 4 h (Source: Canada_WHMIS)

11.2 Carcinogenicity:

International Agency for Research on Cancer (IARC)

Chemical Name	CAS Number	Classification
Diethanolamine	111-42-2	Group 2B (Possibly Carcinogenic to Humans) - Monograph 101 [2013]; Monograph 77 [2000]
Xylenes	1330-20-7	Group 3 (Not Classified) - Monograph 71 [1999]; Monograph 47 [1989]
Chloroform	67-66-3	Group 2B (Possibly Carcinogenic to Humans) - Monograph 73 [1999]
Sulfur Dioxide	7446-09-5	Group 3 (Not Classified) - Monograph 54 [1992]

National Toxicology Program (NTP)

Chemical Name	CAS Number	Classification
Diethanolamine	111-42-2	Male Rat - No Evidence; Female Rat - No Evidence; Male Mice - Clear Evidence; Female Mice - Clear Evidence (TR-478)
Xylenes	1330-20-7	Male Rat - No Evidence; Female Rat - No Evidence; Male Mice - No Evidence; Female Mice - No Evidence (TR-327; mixed)
Chloroform	67-66-3	Reasonably Anticipated To Be A Human Carcinogen; Male Rat - Clear Evidence; Female Rat - No Evidence; Male Mice - Clear Evidence; Female Mice - Clear Evidence (TR-000)

U.S. OSHA specifically regulated carcinogens

Chemical Name	CAS Number	Classification
	No data found.	

11.3 Additional Toxicology Information:

Toxic if swallowed, in contact with skin or if inhaled. May be fatal if swallowed and enters airways. Causes severe skin burns and eye damage. Harmful if inhaled. May cause drowsiness or dizziness. Suspected of causing genetic defects. Suspected of causing cancer. May damage fertility or the unborn child. May cause damage to organs. Causes damage tc blood, heart, kidneys, liver through prolonged or repeated exposure.

SECTION 12: Ecological Information

12.1. Ecotoxicity

Safety Data Sheet

Classified According to Canada Hazardous Product Regulations SOR/2015-17 (HPR 2022)

Chemical Name	CAS Number	Species	Exposure	Toxicity
Methyl Alcohol	67-56-1	Earthworm	Acute	LC50 48 h Eisenia foetida >1 mg/cm2 [filter paper] (IUCLID)
Diethanolamine	111-42-2	Freshwater Algae	Acute	EC50 72 h Desmodesmus subspicatus 7.8 mg/L (IUCLID); EC50 96 h Pseudokirchneriella subcapitata 2.1 - 2.3 mg/L (IUCLID)
Xylenes	1330-20-7	Freshwater Algae	Acute	"EC50 72 h Pseudokirchneriella subcapitata 11 mg/L (IUCLID)" As Aromatic hydrocarbons, C7-12, C8-rich [93571-75-6]
Imidazole	288-32-4	Freshwater Algae	Acute	EC50 72 h Desmodesmus subspicatus 130 mg/L (IUCLID); EC50 96 h Desmodesmus subspicatus 82 mg/L (IUCLID)
Diethanolamine	111-42-2	Freshwater Fish	Acute	LC50 96 h Pimephales promelas 4460 - 4980 mg/L [flow-through] (EPA); LC50 96 h Pimephales promelas 1200 - 1580 mg/L [static] (EPA); LC50 96 h Lepomis macrochirus 600 - 1000 mg/L [static] (IUCLID)
Xylenes	1330-20-7	Freshwater Fish	Acute	LC50 96 h Pimephales promelas 13.4 mg/L [flow-through] (EPA); LC50 96 h Oncorhynchus mykiss 2.661 - 4.093 mg/L [static] (EPA); LC50 96 h Oncorhynchus mykiss 13.5 - 17.3 mg/L (IUCLID); LC50 96 h Lepomis macrochirus 13.1 - 16.5 mg/L [flow-through] (EPA); LC50 96 h Lepomis macrochirus 19 mg/L (EPA); LC50 96 h Lepomis macrochirus 7.711 - 9.591 mg/L [static] (EPA); LC50 96 h Pimephales promelas 23.53 - 29.97 mg/L [static] (EPA); LC50 96 h Cyprinus carpio 780 mg/L [semi-static] (EPA); LC50 96 h Cyprinus carpio >780 mg/L (IUCLID); LC50 96 h Poecilia reticulata 30.26 - 40.75 mg/L [static] (EPA)
Methyl Alcohol	67-56-1	Freshwater Fish	Acute	LC50 96 h Pimephales promelas 28200 mg/L [flow-through] (EPA); LC50 96 h Pimephales promelas >100 mg/L [static] (EPA); LC50 96 h Oncorhynchus mykiss 19500 - 20700 mg/L [flow-through] (EPA); LC50 96 h Oncorhynchus mykiss 18 - 20 mL/L [static] (EPA); LC50 96 h Lepomis macrochirus 13500 - 17600 mg/L [flow-through] (EPA)

Chloroform	67-66-3	Freshwater Fish	Acute	LC50 96 h Pimephales promelas 71 mg/L [flow-through] (IUCLID); LC50 96 h Oncorhynchus mykiss 18 mg/L [flow-through] (IUCLID); LC50 96 h Lepomis macrochirus 18 mg/L [flow-through] (IUCLID); LC50 96 h Poecilia reticulata 300 mg/L [static] (IUCLID)
Diethanolamine	111-42-2	Water Flea	Acute	EC50 48 h Daphnia magna 55 mg/L (IUCLID)
Xylenes	1330-20-7	Water Flea	Acute	EC50 48 h water flea 3.82 mg/L; LC50 48 h Gammarus lacustris 0.6 mg/L
Imidazole	288-32-4	Water Flea	Acute	EC50 48 h Daphnia magna 341.5 mg/L (IUCLID)
Chloroform	67-66-3	Water Flea	Acute	EC50 48 h Daphnia magna 29 mg/L (IUCLID)

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.

Safety Data Sheet

Classified According to Canada Hazardous Product Regulations SOR/2015-17 (HPR 2022)

SECTION 14: Transportation Information

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

Sizes: 1 L, 6 L, 220 mL, 500 mL, 3000 mL

UN Number: UN1992

Proper Shipping Name: Flammable liquid, toxic, n.o.s. (Methanol, Chloroform, Xylene)

Hazard Class: 3 (6.1)

Packing Group: II

Hazard Label(s):

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

Sizes: 1 L, 6 L, 220 mL, 500 mL, 3000 mL

UN Number: UN1992

Proper Shipping Name: Flammable liquid, toxic, n.o.s. (Methanol, Chloroform, Xylene)

Hazard Class: 3 (6.1)

Packing Group: II

Hazard Label(s):

14.3 Transportation of Dangerous Goods (TDG, Canada)

Sizes: 1 L, 6 L, 220 mL, 500 mL, 3000 mL

UN Number: UN1992

Proper Shipping Name: FLAMMABLE LIQUID, TOXIC, N.O.S. (methanol, chloroform, xylene)

Hazard Class: 3 (6.1)

Packing Group: II

Hazard Label(s):

Safety Data Sheet

Classified According to Canada Hazardous Product Regulations SOR/2015-17 (HPR 2022)

SECTION 15: Regulatory Information

15.01. Occupational Safety and Health Administration (OSHA) Hazards

Chemical Name	CAS Number	Regulatory Information
		No data found.

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

Chemical Name	CAS Number	RQ	TPQ
Chloroform	67-66-3	10000 lb TPQ	10 lb EPCRA RQ
Sulfur Dioxide	7446-09-5	500 lb TPQ	500 lb EPCRA RQ

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

Chemical Name	CAS Number	Regulatory Information
Diethanolamine	111-42-2	100 lb final RQ; 45.4 kg final RQ
Xylenes	1330-20-7	100 lb final RQ; 45.4 kg final RQ
Methyl Alcohol	67-56-1	5000 lb final RQ; 2270 kg final RQ
Chloroform	67-66-3	10 lb final RQ; 4.54 kg final RQ

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

Chemical Name	CAS Number	List	Regulatory Information
Diethanolamine	111-42-2	Emission Reporting	1.0 % de minimis concentration
Xylenes	1330-20-7	Emission Reporting	1.0 % de minimis concentration
Methyl Alcohol	67-56-1	Emission Reporting	1.0 % de minimis concentration
Chloroform	67-66-3	Emission Reporting	0.1 % de minimis concentration

15.05. Massachusetts Right-to-Know Substance List

Chemical Name	CAS Number	Regulatory Information
Diethanolamine	111-42-2	Present
Xylenes	1330-20-7	Present
Methyl Alcohol	67-56-1	Present
Chloroform	67-66-3	Carcinogen; Extraordinarily hazardous
Sulfur Dioxide	7446-09-5	Extraordinarily hazardous

Safety Data Sheet

Classified According to Canada Hazardous Product Regulations SOR/2015-17 (HPR 2022)

15.06. Pennsylvania Right-to-Know Hazardous Substances

Chemical Name	CAS Number	Regulatory Information
Diethanolamine	111-42-2	Environmental hazard
Xylenes	1330-20-7	Environmental hazard
Methyl Alcohol	67-56-1	Environmental hazard
Chloroform	67-66-3	Environmental hazard; Special hazardous substance
Sulfur Dioxide	7446-09-5	Environmental hazard

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

Chemical Name	CAS Number	Regulatory Information
Diethanolamine	111-42-2	sn 0686
Xylenes	1330-20-7	sn 2014
Methyl Alcohol	67-56-1	sn 1222
Chloroform	67-66-3	sn 0388
Sulfur Dioxide	7446-09-5	sn 1759

15.08. California Proposition 65

Chemical Name	CAS Number	Regulatory Information
Diethanolamine	111-42-2	carcinogen, 6/22/2012
Methyl Alcohol	67-56-1	developmental toxicity, 3/16/2012
Chloroform	67-66-3	carcinogen, 10/1/1987
Chloroform	67-66-3	developmental toxicity, 8/7/2009
Chloroform	67-66-3	20 µg/day NSRL (oral); 40 µg/day NSRL (inhalation)
Sulfur Dioxide	7446-09-5	developmental toxicity, 7/29/2011

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

Chemical Name	CAS Number	List	Status
Diethanolamine	111-42-2	DSL	Present
Xylenes	1330-20-7	DSL	Present
Imidazole	288-32-4	DSL	Present
Methyl Alcohol	67-56-1	DSL	Present
Methyl Alcohol	67-56-1	NDSL	"Present" As Alcohols, C1-3 [68475-56-9]
Chloroform	67-66-3	DSL	Present
Sulfur Dioxide	7446-09-5	DSL	Present

Safety Data Sheet

Classified According to Canada Hazardous Product Regulations SOR/2015-17 (HPR 2022)

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

Chemical Name	CAS Number	Status
Diethanolamine	111-42-2	Present (ACTIVE)
Xylenes	1330-20-7	Present (ACTIVE)
Imidazole	288-32-4	Present (ACTIVE)
Methyl Alcohol	67-56-1	Present (ACTIVE)
Chloroform	67-66-3	Present (ACTIVE)
Sulfur Dioxide	7446-09-5	Present (ACTIVE)

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
Diethanolamine	111-42-2	EINECS	203-868-0
Xylenes	1330-20-7	EINECS	215-535-7
Imidazole	288-32-4	EINECS	206-019-2
Methyl Alcohol	67-56-1	EINECS	200-659-6
Chloroform	67-66-3	EINECS	200-663-8
Imidazolium Iodide	68007-08-9	ELINCS	EC No. 460-240-0
Sulfur Dioxide	7446-09-5	EINECS	231-195-2

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

Chemical Name	CAS Number	Status
Diethanolamine	111-42-2	Present [11481]
Xylenes	1330-20-7	Present [08052]
Imidazole	288-32-4	Present [24933]
Methyl Alcohol	67-56-1	Present [16735]
Chloroform	67-66-3	Present [23977]
Sulfur Dioxide	7446-09-5	Present [11370]

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

Chemical Name	CAS Number	List	Status
Diethanolamine	111-42-2	Annex 1	Present [KE-20959]
Xylenes	1330-20-7	Annex 1	Present [KE-35427]
Imidazole	288-32-4	Annex 1	Present [KE-20937]
Methyl Alcohol	67-56-1	Annex 1	Present [KE-23193]
Chloroform	67-66-3	Annex 1	Present [KE-34076]
Sulfur Dioxide	7446-09-5	Annex 1	Present [KE-32567]

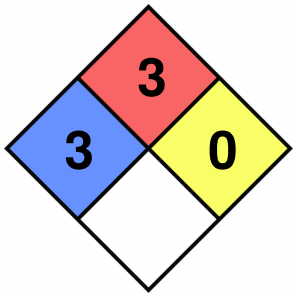
15.14. Japan - Existing and New Chemical Substances Inventory (ENCS)

Chemical Name	CAS Number	MITI No.
Diethanolamine	111-42-2	(2)-302, (2)-354
Xylenes	1330-20-7	(3)-3, (3)-60
Imidazole	288-32-4	(5)-381
Methyl Alcohol	67-56-1	(2)-201
Chloroform	67-66-3	(2)-37
Sulfur Dioxide	7446-09-5	(1)-536

SECTION 16: Other Information

16.1 National Fire Protection Associate (NFPA) Rating

Health: 3
Flammability: 3
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.