

# Safety Data Sheet

Classified According to OSHA Hazard Communication Standard (HCS)

## SECTION 1: Identification

### 1.1. Product Identifier

**Trade Name or Designation:** HydroSpec® Solvent D  
Medium for One and Two Component Volumetric Titrations of Oils, Fats, and Long-chain Hydrocarbons

**Product Number:** RK310000

**Other Identifying Product Numbers:** RK310000-1C, RK310000-220C, RK310000-500C, RK310000-6x1C, RK310000-6x500C

### 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

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## SECTION 2: Hazard(s) Identification

### 2.1. Classification of the Substance or Mixture

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

| Hazard Class                                                         | Category   | Hazard Statements | Precautionary Statements:                                                            |
|----------------------------------------------------------------------|------------|-------------------|--------------------------------------------------------------------------------------|
| Acute Toxicity - Oral                                                | Category 3 | H301              | P264, P270, P301+P310, P321, P330, P405, P501                                        |
| Acute Toxicity - Dermal                                              | Category 3 | H311              | P280, P302+P352, P312, P321, P361, P405, P501                                        |
| Acute Toxicity - Inhalation                                          | Category 3 | H331              | P261, P271, P304+P340, P311, P321, P403+P233, P405, P501                             |
| Skin Corrosion / Irritation                                          | Category 2 | H315              | P264, P280, P302+P352, P321, P332+P313, P362                                         |
| Eye Damage / Irritation                                              | Category 1 | H318              | P280, P305+P351+P338, P310                                                           |
| Respiratory Sensitizer                                               | Category 1 | H334              | P261, P285, P304+P341, P342+P311, P501                                               |
| Germ Cell Mutagenicity                                               | Category 2 | H341              | P201, P202, P280, P308+P313, P405, P501                                              |
| Reproductive Toxicity                                                | Category 1 | H360              | P201, P202, P280, P308+P313, P405, P501                                              |
| Specific Target Organs/Systemic Toxicity Following Single Exposure   | Category 1 | H370              | P260, P264, P270, P307+P311, P321, P405, P501                                        |
| Specific Target Organs/Systemic Toxicity Following Repeated Exposure | Category 1 | H372              | P260, P264, P270, P314, P501                                                         |
| Aspiration Hazard                                                    | Category 1 | H304              | P301+P310, P331, P405, P501                                                          |
| Flammable Liquids                                                    | Category 2 | H225              | P210, P233, P240, P241, P242, P243, P280, P303+P361+P353, P370+P378, P403+P235, P501 |
| Hazardous to the Aquatic Environment (Acute)                         | Category 1 | H400              | P273, P501                                                                           |
| Hazardous to the Aquatic Environment (Chronic)                       | Category 1 | H400              | P273, P501                                                                           |

### 2.2. GHS Label Elements

Pictograms:



Signal Word: **Danger**



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### Hazard Statements:

| Hazard Number | Hazard Statement                                                           |
|---------------|----------------------------------------------------------------------------|
| H225          | Highly flammable liquid and vapor.                                         |
| H301          | Toxic if swallowed.                                                        |
| H304          | May be fatal if swallowed and enters airways.                              |
| H311          | Toxic in contact with skin.                                                |
| H315          | Causes skin irritation.                                                    |
| H318          | Causes serious eye damage.                                                 |
| H331          | Toxic if inhaled.                                                          |
| H334          | May cause allergy or asthma symptoms or breathing difficulties if inhaled. |
| H341          | Suspected of causing genetic defects.                                      |
| H360          | May damage fertility or the unborn child.                                  |
| H370          | Causes damage to organs.                                                   |
| H372          | Causes damage to organs through prolonged or repeated exposure.            |
| H400          | Very toxic to aquatic life.                                                |

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## Precautionary Statements:

| 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, sparks and open flame. No smoking.                                                            |
| P233                 | Keep container tightly closed.                                                                                     |
| P240                 | Ground container and receiving equipment.                                                                          |
| P241                 | Use explosion-proof equipment.                                                                                     |
| P242                 | Use only non-sparking tools.                                                                                       |
| P243                 | Take precautionary measures against static discharge.                                                              |
| P260                 | Do not breathe fumes, mist, vapors, or spray.                                                                      |
| P261                 | Avoid breathing fumes, mist, vapors, or spray.                                                                     |
| P264                 | 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.                                                                    |
| P273                 | Avoid release to the environment.                                                                                  |
| P280                 | Wear protective gloves and eye protection.                                                                         |
| P285                 | In case of inadequate ventilation wear respiratory protection.                                                     |
| P301+P310            | IF SWALLOWED: Immediately call a POISON CENTER or physician.                                                       |
| P302+P352            | IF ON SKIN: Wash with plenty of soap and water.                                                                    |
| 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 remove. |
| 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.                                                                                 |
| 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.                                                                                                       |
| P331                 | Do NOT induce vomiting.                                                                                            |
| 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.                                           |
| P362                 | Take off contaminated clothing and wash it before reuse.                                                           |
| P370+P378            | In case of fire: Use dry chemical, foam or carbon dioxide to extinguish.                                           |
| P403+P233            | Store in a well-ventilated place. Keep container tightly closed.                                                   |
| P403+P235            | Store in a well-ventilated place. Keep cool.                                                                       |
| P405                 | Store locked up.                                                                                                   |

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P501 Dispose of contents in accordance with local, state, federal and international regulations.

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

Data not available.

## SECTION 3: Composition / Information on Ingredients

### 3.1. Components of Substance or Mixture

| Chemical Name  | Formula                                            | Molecular Weight | CAS Number | Weight% |
|----------------|----------------------------------------------------|------------------|------------|---------|
| Methyl Alcohol | CH <sub>3</sub> OH                                 | 32.04 g/mol      | 67-56-1    | 45.00   |
| 1-Decanol      | CH <sub>3</sub> (CH <sub>2</sub> ) <sub>9</sub> OH | 158.28 g/mol     | 112-30-1   | 45.00   |
| Sulfur Dioxide | SO <sub>2</sub>                                    | 64.06 g/mol      | 7446-09-5  | 5.00    |
| Imidazole      | NHCH:NCH:CH                                        | 68.07 g/mol      | 288-32-4   | 5.00    |

## 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. Results in drying and cracking which can lead to secondary infections and dermatitis. Dermal absorption causes many of the symptoms of inhalation.

**Ingestion:** IF SWALLOWED: Immediately call a POISON CENTER or physician. Dilute immediately with water or milk. Induce vomiting. Call a physician.

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

Toxic if swallowed. May be fatal if swallowed and enters airways. Toxic in contact with skin. Causes skin irritation. Causes serious eye damage. Toxic if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. Suspected of causing genetic defects. May damage fertility or the unborn child. Causes damage to organs. Causes damage to organs through prolonged or repeated exposure. Flammable liquid. Primarily toxic by ingestion. Cannot be made non-poisonous. If ingested, give large quantity of water and induce vomiting. Call a physician. Contact may cause dryness and cracking of the skin. May cause irritation to the eyes. Wash areas of contact with water. May cause irritation to the respiratory system. EYE CONTACT: May cause irritation with burning and stinging with possible damage to the cornea and conjunctiva. SKIN CONTACT: Results in drying and cracking which can lead to secondary infections and dermatitis. Dermal absorption causes many of the symptoms of inhalation.

### 4.3. Medical Attention or Special Treatment Needed

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

## SECTION 5: Fire-Fighting Measures

### 5.1. Extinguishing Media

In case of fire: Use dry chemical, foam or carbon dioxide to extinguish. Water, dry chemical, foam, or carbon dioxide. Water spray may be used to keep fire-exposed containers cool.

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

Highly flammable liquid and vapor. Moderate explosion hazard and dangerous fire hazard when exposed to heat, sparks and open flames. Above flash point, vapor-air mixtures are explosive within flammable limits noted above. Sensitive to static discharge.

### 5.3. Special Protective Equipment for Firefighters

Wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

## SECTION 6: Accidental Release Measures

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

Ground container and receiving equipment. Use explosion-proof equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wear protective gloves and eye protection. In case of inadequate ventilation wear respiratory protection.

### 6.2. Cleanup and Containment Methods and Materials

Remove all sources of ignition. Contain spill. Do not flush to sewer. Absorb with suitable inert material (vermiculite, dry sand, etc) and place in a chemical waste container for proper disposal in an approved waste disposal facility. Ventilate area of spill. Have extinguishing agent available in case of fire. Use non-sparking tools and equipment. Dispose of in accordance with local regulations.

## SECTION 7: Handling and Storage

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

Store locked up. As with all chemicals, wash hands thoroughly after handling. Avoid contact with eyes and skin. Protect from freezing and physical damage. Store in secure, flammable storage area away from all sources of ignition. Empty containers may be hazardous since they retain product residues.

## SECTION 8: Exposure Controls / Personal Protection

### 8.1 Control Parameters

| Chemical Name              | Limit Type | Country | Exposure Limit                         | Information Source                                                     |
|----------------------------|------------|---------|----------------------------------------|------------------------------------------------------------------------|
| Methyl Alcohol (67-56-1)   | TWA        | USA     | 200 ppm TWA; 260 mg/m <sup>3</sup> TWA | U.S. - OSHA - Final PELs - Time Weighted Averages (TWAs)               |
| Methyl Alcohol (67-56-1)   | TLV-STEL   | USA     | 250 ppm STEL                           | ACGIH - Threshold Limit Values - Short Term Exposure Limits (TLV-STEL) |
| Methyl Alcohol (67-56-1)   | TLV-TWA    | USA     | 200 ppm TWA                            | ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)      |
| Sulfur Dioxide (7446-09-5) | TWA        | USA     | 5 ppm TWA; 13 mg/m <sup>3</sup> TWA    | U.S. - OSHA - Final PELs - Time Weighted Averages (TWAs)               |
| Sulfur Dioxide (7446-09-5) | TLV-STEL   | USA     | 0.25 ppm STEL                          | ACGIH - Threshold Limit Values - Short Term Exposure Limits (TLV-STEL) |

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### 8.2. Exposure Controls

**Engineering Controls:** Use only outdoors or in a well-ventilated area. A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limit. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source. Use explosion proof equipment.

**Respiratory Protection:** In case of inadequate ventilation wear respiratory protection. If engineering controls do not maintain airborne concentrations below recommended exposure limits, an approved atmosphere supplied respirator must 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. If engineering controls do not maintain airborne concentrations below recommended exposure limits, an approved atmosphere supplied respirator must 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 light yellow

**Physical State:** Liquid

**Odor:** Data not available.

**Odor Threshold:** Data not available.

**pH:** 5.0-6.0 at 20°C

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

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

**Flash Point:** Data not available.

**Evaporation Rate:** Data not available.

**Flammability:** Data not available.

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

**Vapor Pressure:** Data not available.

**Vapor Density:** Data not available.

**Relative Density:** 0.93

**Solubility:** Data not available

**Partition Coefficient:** Data not available.

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

**Decomposition Temperature:** Data not available.

**Viscosity:** Data not available.

**Explosive Properties:** Data not available.

**Oxidizing Properties:** Data not available.

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## SECTION 10: Stability and Reactivity

### 10.1. Reactivity and Chemical Stability

Data not available.

### 10.2. Possibility of Hazardous Reactions

Data not available.

### 10.3. Conditions to Avoid and Incompatible Materials

Keep away from heat, sparks and open flame. No smoking. Keep container tightly closed. Oxidizing agents, Alkali metals, Acid chlorides, Acid anhydrides, Reducing agents, Acids, 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:

Toxic if swallowed. Wash arms, hands and face thoroughly after handling. Do not eat, drink or smoke when using this product. IF SWALLOWED: Immediately call a POISON CENTER or physician. Specific treatment (Wash areas of contact with water). Rinse mouth. Store locked up. 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:

Toxic if inhaled. Avoid breathing fumes, mist, vapors, or spray. 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. Specific treatment (Wash areas of contact with water). Store in a well-ventilated place. Keep container tightly closed. Store locked up. Dispose of contents in accordance with local, state, federal and international regulations.

#### Acute Toxicity - Other Information:

LD50, Oral, Rat: (Methanol) 5628 mg/kg, details of toxic effects not reported other than lethal dose value. Investigated as a mutagen and reproductive effector.

#### 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:

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 fumes, mist, vapors, or spray. 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:**

Not applicable.

**Germ Cell Mutagenicity:**

Suspected of causing genetic defects. 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.

**Carcinogenicity:**

Not applicable.

**Reproductive Toxicity:**

May damage 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 fumes, mist, vapors, or spray. 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 fumes, mist, vapors, or spray. 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:**

May be fatal if swallowed and enters airways. IF SWALLOWED: Immediately call a POISON CENTER or physician. Do NOT induce vomiting. Store locked up. Dispose of contents in accordance with local, state, federal and international regulations.

**Additional Toxicology Information:**

Data not available.

### SECTION 12: Ecological Information

**12.1. Ecotoxicity**

Very 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.

**12.4. Mobility in Soil**

Data not available.

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### 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)

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

**UN Number:** UN1230

**Proper Shipping Name:** Methanol Solution

**Hazard Class:** 3

**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:** UN1230

**Proper Shipping Name:** Methanol Solution

**Hazard Class:** 3

**Packing Group:** II

**Hazard Label(s):**



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

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

**UN Number:** UN1230

**Proper Shipping Name:** METHANOL SOLUTION

**Hazard Class:** 3

**Packing Group:** II

**Hazard Label(s):**



## 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

Sulfur Dioxide (CAS # 7446-09-5): 500 lb EPCRA RQ

Sulfur Dioxide (CAS # 7446-09-5): 500 lb TPQ

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

Methyl Alcohol (CAS # 67-56-1): 5000 lb final RQ; 2270 kg final RQ

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

Methyl Alcohol (CAS # 67-56-1): 1.0 % de minimis concentration

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

Methyl Alcohol (CAS # 67-56-1): Present

Sulfur Dioxide (CAS # 7446-09-5): Extraordinarily hazardous

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

1-Decanol (CAS # 112-30-1): Present

Methyl Alcohol (CAS # 67-56-1): Environmental hazard

Methyl Alcohol (CAS # 67-56-1): Present

Sulfur Dioxide (CAS # 7446-09-5): Environmental hazard

Sulfur Dioxide (CAS # 7446-09-5): Present

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

Methyl Alcohol (CAS # 67-56-1): flammable - third degree; teratogen

Methyl Alcohol (CAS # 67-56-1): sn 1222

Methyl Alcohol (CAS # 67-56-1): SN 1222 500 lb TPQ

Sulfur Dioxide (CAS # 7446-09-5): sn 1759

Sulfur Dioxide (CAS # 7446-09-5): SN 1759 500 lb TPQ

### 15.8. California Proposition 65

Methyl Alcohol (CAS # 67-56-1): developmental toxicity, 3/16/2012

Sulfur Dioxide (CAS # 7446-09-5): developmental toxicity, 7/29/2011

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

1-Decanol (CAS # 112-30-1): Present (DSL)  
Imidazole (CAS # 288-32-4): Present (DSL)  
Methyl Alcohol (CAS # 67-56-1): Present (DSL)  
Methyl Alcohol (CAS # 67-56-1): Present (NDSL)  
Sulfur Dioxide (CAS # 7446-09-5): Present (DSL)

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

1-Decanol (CAS # 112-30-1): Active  
Imidazole (CAS # 288-32-4): Active  
Methyl Alcohol (CAS # 67-56-1): Active  
Sulfur Dioxide (CAS # 7446-09-5): Active

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

Not listed.

## SECTION 16: Other Information

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

Highly flammable liquid and vapor. Toxic if swallowed. Toxic in contact with skin. Causes skin irritation. Causes serious eye damage. Toxic if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. Suspected of causing genetic defects. May damage fertility or the unborn child. Causes damage to organs. Causes damage to organs through prolonged or repeated exposure. Very toxic to aquatic life.

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, sparks and open flame. No smoking. Ground container and receiving equipment. Use explosion-proof equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe fumes, mist, vapors, or spray. 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. Avoid release to the environment. Wear protective gloves and eye protection. In case of inadequate ventilation wear respiratory protection.

IF SWALLOWED: Immediately call a POISON CENTER or physician. 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). Rinse mouth. Do NOT induce vomiting. If skin irritation occurs: Get medical attention. If experiencing respiratory symptoms: Call a POISON CENTER or physician. Take off contaminated clothing and wash it before reuse. In case of fire: Use dry chemical, foam or carbon dioxide to extinguish.

### 16.2. Miscellaneous Hazard Classes

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

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

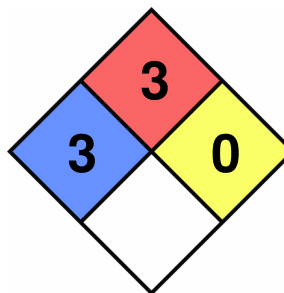
**Health Hazards Not Otherwise Classified (HHNOC):** Not Applicable.

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

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

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



### 16.4. Document Revision

Last Revision Date: 2020-05-06

### 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.