

Classified According to OSHA Hazard Communication Standard (HCS)

# **SECTION 1: Identification**

#### **1.1. Product Identifier**

Trade Name or Designation:

Nitric Acid, 2% (v/v) in Methanol

Product Number: 5314.2 Other Identifying Product Numbers: 5314.2-16, 5314.2-32

**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 hours)**

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

# **Safety Data Sheet**

# 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     |   |
|---|------------|------------|---|
| Hazard Class  | Category   | Statements | Precautionary Statements:                 |
| Acute Toxicity - Oral                                     | Category 3 | H301       | P264, P270, P301+P310, P321, P330, P405,  |
|   |            |            | P501                                      |
| Acute Toxicity - Inhalation                               | Category 3 | H331       | P261, P271, P304+P340, P311, P321,        |
|   |            |            | P403+P233, P405, 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          |
| Eye Damage / Irritation                                   | Category 2 | H319       | P264, P280, P305+P351+P338, P337+P313     |
| Reproductive Toxicity                                     | Category 1 | H360       | P201, P202, P280, P308+P313, P405, P501   |
| Specific Target Organs/Systemic Toxicity Following Single | Category 2 | H371       | P260, P264, P270, P308+P311, P405, P501   |
| Exposure  |            |            |   |
| 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 3 | H402       | P273, P501                                |
| Hazardous to the Aquatic Environment (Chronic)            | Category 3 | H412       | P273, P501                                |

# 2.2. GHS Label Elements



Signal Word: Danger

# **Safety Data Sheet**

#### Hazard Statements:

| Hazard Number | Hazard Statement                                   |
|---------------|--|
| H225          | Highly flammable liquid and vapor.                 |
| H301          | Toxic if swallowed.                                |
| H314          | Causes severe skin burns and eye damage.           |
| H319          | Causes serious eye irritation.                     |
| H331          | Toxic if inhaled.                                  |
| H360          | May damage fertility or the unborn child.          |
| H371          | May cause damage to organs.                        |
| H402          | Harmful to aquatic life.                           |
| H412          | Harmful to aquatic life with long lasting effects. |

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# **Safety Data Sheet**

#### **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.   |
| P301+P310            | IF SWALLOWED: Immediately call a POISON CENTER or physician.                                       |
| P301+P330+P331       | IF SWALLOWED: rinse mouth. Do NOT induce vomiting.   |
| 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.                         |
| 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 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.   |
| P321                 | Specific treatment (Wash areas of contact with water immediately).                                 |
| P330                 | Rinse mouth.   |
| P337+P313            | If eye irritation persists: Get medical attention.   |
| P363                 | Wash contaminated clothing 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.   |
| 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 | CH₃OH            | 32.04 g/mol 67-56-1         | 96.46   |
| Nitric Acid    | HNO <sub>3</sub> | 63.01 g/mol 7697-37-2       | 2.48    |
| Water          | $H_2O$           | 18.01 g/mol 7732-18-5       | 1.06    |

# **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, redness, pain, and tearing.
  - 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. 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: rinse mouth. Do NOT induce vomiting. Dilute immediately with water or milk. Induce vomiting. Call a physician.

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

Toxic if swallowed. Causes severe skin burns and eye damage. Causes serious eye irritation. Toxic if inhaled. May damage fertility or the unborn child. May cause damage to organs. 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 of the respiratory system. EYE CONTACT: May cause irritation, redness, pain, and tearing. 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 immediately). 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. Wash areas of contact with soap and water for at least 15 minutes. Call a physician if irritation develops. Call a physician.

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# **SECTION 5: Fire-Fighting Measures**

# 5.1. Extinguishing Media

In case of fire: Use dry chemical, foam or carbon dioxide to extinguish. Use any means suitable for extinguishing surrounding fire. Non-combustible. Do not use dry chemicals.

# 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.

## 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.

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# **Safety Data Sheet**

# **SECTION 8: Exposure Controls / Personal Protection**

# **8.1 Control Parameters**

| Chemical Name            | Limit Type | Counti | ry Exposure Limit                  | Information Source                    |
|--------------------------|------------|--------|------------------------------------|---------------------------------------|
| Methyl Alcohol (67-56-1) | TWA        | USA    | 200 ppm TWA; 260 mg/m <sup>3</sup> | U.S OSHA - Final PELs - Time          |
|                          |            |        | TWA                                | 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)           |
| Nitric Acid (7697-37-2)  | TWA        | USA    | 2 ppm TWA; 5 mg/m <sup>3</sup> 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)                            |
| 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:Use only outdoors or in a well-ventilated area. A system of local and/or general exhaust is recommended to<br/>keep employee exposures below the Airborne Exposure Limit.Respiratory Protection:If engineering controls do not maintain airborne concentrations below recommended exposure limits, an<br/>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. 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.

# **Safety Data Sheet**

# **SECTION 9: Physical and Chemical Properties**

# 9.1. Basic Physical and Chemical Properties

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Appearance: Colorless liquid
                  Physical State: Liquid
                            Odor: Data not available.
                Odor Threshold: Data not available.
                               pH:<1
        Melting/Freezing Point: Data not available.
    Initial Boiling Point/Range: Approximately 64.5°C - Approximately 64.5°C
                     Flash Point: Approximately 11°C
              Evaporation Rate: 2.1 (butyl acetate = 1)
                   Flammability: Data not available.
Flammability/Explosive Limits: Data not available.
                Vapor Pressure: Data not available.
                  Vapor Density: Data not available.
               Relative Density: 0.8
                       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.
```

# **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, sparks and open flame. No smoking. Keep container tightly closed. Strong oxidizing agents such as Nitrates, Perchlorates or Sulfuric Acid, heat, sparks, open flame. Will attack some forms of plastics, rubber and coatings. May react with metallic aluminum and generate hydrogen gas.

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# **10.4. Hazardous Decomposition Products**

Will not occur.

# **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 immediately). Rinse mouth. Store locked up. Dispose of contents in accordance with local, state, federal and international regulations.

#### Acute Toxicity - Dermal Exposure:

Not applicable.

#### 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 immediately). 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, LDLo, Oral, Human: 430 mg/kg (Nitric Acid), details of toxic effects not reported other than lethal dose value.

#### Skin Corrosion and Irritation:

Causes severe skin burns and eye damage. Do not breathe fumes, mist, vapors, or spray. 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 immediately). 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 irritation. Wash arms, hands and face thoroughly after handling. 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. If eye irritation persists: Get medical attention.

#### **Respiratory Sensitization:**

Not applicable.

#### Skin Sensitization:

Not applicable.

## Germ Cell Mutagenicity:

Not applicable.

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:

May cause 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 or concerned: Call a POISON CENTER or physician. Store locked up. Dispose of contents in accordance with local, state, federal and international regulations.

#### 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

Harmful to aquatic life. Avoid release to the environment. Dispose of contents in accordance with local, state, federal and international regulations. Harmful to aquatic life with long lasting effects. 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.

#### 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, 500 mL UN Number: UN1993 Proper Shipping Name: Flammable Liquid, n.o.s. (Methanol) Hazard Class: 3 Packing Group: II

Hazard Label(s):



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

| Sizes:                | 1 L, 500 mL                         |
|-----------------------|-------------------------------------|
| UN Number:            | UN1993                              |
| Proper Shipping Name: | Flammable Liquid, n.o.s. (Methanol) |
| Hazard Class:         | 3                                   |
| Packing Group:        | II                                  |
| Hazard Label(s):      |                                     |
|                       | FLAMMABLE                           |

# 14.3 Transportation of Dangerous Goods (TDG, Canada)

| Sizes:           | 1 L, 500 mL                         |
|------------------|-------------------------------------|
| UN Number:       | UN1993                              |
| Shipping Name:   | FLAMMABLE LIQUID, N.O.S. (methanol) |
| Hazard Class:    | 3                                   |
| Packing Group:   | II                                  |
| Hazard Label(s): | FLAMMABLE                           |

Proper

# **Safety Data Sheet**

# **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

Nitric Acid (CAS # 7697-37-2): 1000 lb EPCRA RQ Nitric Acid (CAS # 7697-37-2): 1000 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 Nitric Acid (CAS # 7697-37-2): 1000 lb final RQ; 454 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 Nitric Acid (CAS # 7697-37-2): 1.0 % de minimis concentration

## **15.5. Massachusetts Right-to-Know Substance List** Methyl Alcohol (CAS # 67-56-1): Present Nitric Acid (CAS # 7697-37-2): Extraordinarily hazardous

# 15.6. Pennsylvania Right-to-Know Hazardous Substances

Methyl Alcohol (CAS # 67-56-1): "Present" As Denatured alcohols [RR-00113-8] Methyl Alcohol (CAS # 67-56-1): Environmental hazard Methyl Alcohol (CAS # 67-56-1): Present Nitric Acid (CAS # 7697-37-2): Environmental hazard Nitric Acid (CAS # 7697-37-2): Present Water (CAS # 7732-18-5): "Present" As Ethyl alcohol and water [RR-00802-6] Water (CAS # 7732-18-5): 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 Nitric Acid (CAS # 7697-37-2): corrosive; reactive - second degree Nitric Acid (CAS # 7697-37-2): sn 1356 Nitric Acid (CAS # 7697-37-2): SN 1356 500 lb TPQ Nitric Acid (CAS # 7697-37-2): sn 3722 Nitric Acid (CAS # 7697-37-2): SN 3722 500 lb TPQ (water dissociable, Category Code N511)

## 15.8. California Proposition 65

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



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

Methyl Alcohol (CAS # 67-56-1): Present (DSL) Methyl Alcohol (CAS # 67-56-1): Present (NDSL) Nitric Acid (CAS # 7697-37-2): Present (DSL) Water (CAS # 7732-18-5): 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.

Methyl Alcohol (CAS # 67-56-1): Present (ACTIVE) Nitric Acid (CAS # 7697-37-2): Present (ACTIVE) Water (CAS # 7732-18-5): Present (ACTIVE)

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

Methyl Alcohol (CAS # 67-56-1): 200-659-6 Methyl Alcohol (CAS # 67-56-1): 270-649-4 Nitric Acid (CAS # 7697-37-2): 231-714-2 Water (CAS # 7732-18-5): 231-791-2

# **SECTION 16: Other Information**

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

Highly flammable liquid and vapor. Toxic if swallowed. Causes severe skin burns and eye damage. Causes serious eye irritation. Toxic if inhaled. May damage fertility or the unborn child. May cause damage to organs. Harmful to aquatic life with long lasting effects.

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.

IF SWALLOWED: Immediately call a POISON CENTER or physician. 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 or concerned: Call a POISON CENTER or physician. Specific treatment (Wash areas of contact with water immediately). If eye irritation persists: Get medical attention. Wash contaminated clothing before reuse. In case of fire: Use dry chemical, foam or carbon dioxide to extinguish.

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

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

#### Product Number: 5314.2



# 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:         | 1 |
|-----------------|---|
| Flammability:   | 3 |
| Reactivity:     | 0 |
| Special Hazard: |   |



## 16.4. Document Revision

Last Revision Date: 2023-11-13

# 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.