

Safety Data Sheet

Classified according to WHMIS 2015

SECTION 1: Identification

1.1. Product Identifier

Trade Name or Designation: Digestion Reagent, with Mercury Catalyst
for Kjeldahl Nitrogen Analysis

Product Number: 2550

Other Identifying Product Numbers: 2550-1, 2550-16, 2550-32

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

SECTION 2: Hazard(s) Identification

2.1. Classification of the Substance or Mixture

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

Hazard Class	Category	Hazard Statements:	Precautionary Statements:
Acute Toxicity - Inhalation	Category 2	H330	P260, P271, P285, P304+P340, P310, P320, 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 1	H318	P280, P305+P351+P338, P310
Corrosive to Metals	Category 1	H290	P234, P390, P406

Safety Data Sheet

2.2. GHS Label Elements

Pictograms:



Signal Word: **Danger**

Hazard Statements:

Hazard Number	Hazard Statement
H290	May be corrosive to metals.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H330	Fatal if inhaled.

Safety Data Sheet

Precautionary Statements:

Precautionary Number	Precautionary Statement
P234	Keep only in original container.
P260	Do not breathe fumes, mist, vapors, or spray.
P264	Wash arms, hands and face thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves and eye protection.
P285	In case of inadequate ventilation wear respiratory protection.
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.
P310	Immediately call a POISON CENTER or physician.
P320	Specific treatment is urgent (Wash areas of contact with water. If possible, wipe off areas of contact with dry cloth before flushing with water).
P321	Specific treatment (Wash areas of contact with water. If possible, wipe off areas of contact with dry cloth before flushing with water).
P363	Wash contaminated clothing before reuse.
P390	Absorb spillage to prevent material damage.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P406	Store in corrosive resistant container with a resistant inner liner.
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%
Water	H ₂ O	18.01 g/mol	7732-18-5	62.40
Sulfuric Acid	H ₂ SO ₄	98.07 g/mol	7664-93-9	27.68
Potassium Sulfate	K ₂ SO ₄	174.25 g/mol	7778-80-5	9.77
Mercuric Oxide	HgO	216.58 g/mol	21908-53-2	0.15

Safety Data Sheet

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. Eye contact causes tissue damage and blindness.

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. Skin contact causes burns, blistering, local necrosis, and membrane ulceration. Burns may be 2nd or 3rd degree.

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

Causes severe skin burns and eye damage. Causes serious eye damage. Fatal if inhaled. DANGER! Causes severe burns. May be fatal if swallowed. Do not get in eyes, on skin, or on clothing. If swallowed, do not induce vomiting. Give large quantity of water and call a physician. Wash areas of contact with plenty of water for 15 minutes. For eyes, get medical attention. EYE CONTACT: Eye contact causes tissue damage and blindness. SKIN CONTACT: Skin contact causes burns, blistering, local necrosis, and membrane ulceration. Burns may be 2nd or 3rd degree. CHRONIC EFFECTS / CARCINOGENICITY: Chronic exposure through any route can produce central nervous system damage. Can cause skin allergies and accumulate in the body. Repeated skin contact can cause skin to turn gray in color due to the mercuric compound.

4.3. Medical Attention or Special Treatment Needed

Immediately call a POISON CENTER or physician. Specific treatment is urgent (Wash areas of contact with water. If possible, wipe off areas of contact with dry cloth before flushing with water). Specific treatment (Wash areas of contact with water. If possible, wipe off areas of contact with dry cloth before flushing with water). Irrigate immediately with large quantity of water for at least 15 minutes. Remove contacts if possible. Call a physician. Remove to fresh air. Give artificial respiration if necessary. If breathing is difficult, give oxygen. Wash areas of contact immediately with water for at least 15 minutes. Flushing immediately with water will generate a large amount of heat upon contact with sulfuric acid. Call a physician. Do not induce vomiting. Give large quantity of water. Call a physician immediately.

SECTION 5: Fire-Fighting Measures

5.1. Extinguishing Media

Dry chemical, foam, or carbon dioxide. Reacts with water producing heat and toxic fumes.

5.2. Specific Hazards Arising from the Substance or Mixture

Not combustible. Strong dehydrating agent, which may cause ignition of finely divided materials on contact. Reaction with metals may produce hydrogen gas. Oxides of sulfur may be produced in fire.

5.3. Special Protective Equipment for Firefighters

Wear special protective clothing and positive pressure self-contained breathing apparatus. Butyl rubber, natural rubber, Neoprene, polyethylene, polyvinyl chloride, Teflon, Viton, or Saranex barrier recommended.

Safety Data Sheet

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

Keep water away from release. Stop or control the leak, if this can be done without undue risk. Control runoff and isolate discharged 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. Do not mix with bases. Contact with water will generate a large amount of heat. Store above 20°C to prevent crystallization.

Safety Data Sheet

SECTION 8: Exposure Controls / Personal Protection

8.1 Control Parameters

Chemical Name	Limit Type	Country	Exposure Limit	Information Source
Mercuric Oxide (21908-53-2)	TLV-TWA	USA	"0.025 mg/m ³ TWA (as Hg)" As Mercury inorganic forms [RR-00569-6]	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)
Mercuric Oxide (21908-53-2)	TLV-TWA	USA	"0.025 mg/m ³ TWA (as Hg)" As Mercury inorganic forms [RR-00569-6]	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)
Mercuric Oxide (21908-53-2)	TLV-TWA	USA	0.025 mg/m ³ TWA (as Hg)	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)
Sulfuric Acid (7664-93-9)	TLV-TWA	USA	"0.2 mg/m ³ TWA (thoracic particulate matter)" As Sulfuric acid [7664-93-9]	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)
Sulfuric Acid (7664-93-9)	TWA	USA	"1 mg/m ³ TWA" As Sulfuric acid [7664-93-9]	U.S. - OSHA - Final PELs - Time Weighted Averages (TWAs)
Sulfuric Acid (7664-93-9)	TLV-TWA	USA	"0.2 mg/m ³ TWA (thoracic particulate matter)" As Sulfuric acid [7664-93-9]	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)
Sulfuric Acid (7664-93-9)	TWA	USA	"1 mg/m ³ TWA" As Sulfuric acid [7664-93-9]	U.S. - OSHA - Final PELs - Time Weighted Averages (TWAs)
Sulfuric Acid (7664-93-9)	TLV-TWA	USA	"0.2 mg/m ³ TWA (thoracic particulate matter)" As Sulfuric acid [7664-93-9]	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)
Sulfuric Acid (7664-93-9)	TWA	USA	"1 mg/m ³ TWA" As Sulfuric acid [7664-93-9]	U.S. - OSHA - Final PELs - Time Weighted Averages (TWAs)
Sulfuric Acid (7664-93-9)	TLV-TWA	USA	0.2 mg/m ³ TWA (thoracic particulate matter)	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)
Sulfuric Acid (7664-93-9)	TWA	USA	1 mg/m ³ TWA	U.S. - OSHA - Final PELs - Time Weighted Averages (TWAs)
Sulfuric Acid (7664-93-9)	TLV-TWA	USA	"0.2 mg/m ³ TWA (thoracic particulate matter)" As Sulfuric acid [7664-93-9]	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)
Sulfuric Acid (7664-93-9)	TWA	USA	"1 mg/m ³ TWA" As Sulfuric acid [7664-93-9]	U.S. - OSHA - Final PELs - Time Weighted Averages (TWAs)
Sulfuric Acid (7664-93-9)	TWA	USA	"1 mg/m ³ TWA" As Sulfuric acid [7664-93-9]	U.S. - OSHA - Final PELs - Time Weighted Averages (TWAs)

Safety Data Sheet

Sulfuric Acid (7664-93-9)	TLV-TWA	USA	"0.2 mg/m ³ TWA (thoracic particulate matter)" As Sulfuric acid [7664-93-9]	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)
Sulfuric Acid (7664-93-9)	TWA	USA	"1 mg/m ³ TWA" As Sulfuric acid [7664-93-9]	U.S. - OSHA - Final PELs - Time Weighted Averages (TWAs)
Sulfuric Acid (7664-93-9)	TLV-TWA	USA	"0.2 mg/m ³ TWA (thoracic particulate matter)" As Sulfuric acid [7664-93-9]	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)
Sulfuric Acid (7664-93-9)	TWA	USA	"1 mg/m ³ TWA" As Sulfuric acid [7664-93-9]	U.S. - OSHA - Final PELs - Time Weighted Averages (TWAs)
Sulfuric Acid (7664-93-9)	TLV-TWA	USA	"0.2 mg/m ³ TWA (thoracic particulate matter)" As Sulfuric acid [7664-93-9]	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.

Respiratory Protection: In case of inadequate ventilation wear respiratory protection. If engineering controls do not maintain airborne concentrations below recommended exposure limits, an approved 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 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

Appearance: Colorless liquid

Physical State: Liquid

Odor: Data not available.

Odor Threshold: Data not available.

pH: Data not available.

Melting/Freezing Point: Data not available.

Initial Boiling Point/Range: Approximately 102°C - Approximately 102°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: 1.33

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 only in original container. Organics, chlorates, carbides, fulminates, picrates, alkalines, reducing agents, nitrates, Acetic Acid, oxidizing agents, metals.

Safety Data Sheet

10.4. Hazardous Decomposition Products

Will not occur.

SECTION 11: Toxicological Information

11.1. Information on Toxicological Effects

Acute Toxicity - Oral Exposure:

Not applicable.

Acute Toxicity - Dermal Exposure:

Not applicable.

Acute Toxicity - Inhalation Exposure:

Fatal if inhaled. Do not breathe fumes, mist, vapors, or spray. Use only outdoors or in a well-ventilated area. In case of inadequate ventilation wear respiratory protection. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or physician. Specific treatment is urgent (Wash areas of contact with water. If possible, wipe off areas of contact with dry cloth before flushing 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: 2140 mg/kg (Sulfuric Acid), 18 mg/kg (Mercuric Oxide), 6600 mg/kg (Potassium Sulfate), 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. If possible, wipe off areas of contact with dry cloth before flushing 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.

Respiratory Sensitization:

Not applicable.

Skin Sensitization:

Not applicable.

Germ Cell Mutagenicity:

Not applicable.

Carcinogenicity:

Not applicable.

Safety Data Sheet

Reproductive Toxicity:

Not applicable.

Specific Target Organ Toxicity from Single Exposure:

Not applicable.

Specific Target Organ Toxicity from Repeated Exposure:

Not applicable.

Aspiration Hazard:

Not applicable.

Additional Toxicology Information:

Data not available.

SECTION 12: Ecological Information

12.1. Ecotoxicity

Not applicable.

12.2. Persistence and Degradability

Data not available.

12.3. Bioaccumulative Potential

Data not available.

12.4. Mobility in Soil

Data not available.

12.5. Other Adverse Ecological Effects

Data not available.

SECTION 13: Disposal Considerations

13.1. Waste Treatment Methods

Data not available.

Safety Data Sheet

SECTION 14: Transportation Information

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

Sizes: 1 L, 4 L, 500 mL

UN Number: UN2796

Proper Shipping Name: Sulphuric Acid Solution

Hazard Class: 8

Packing Group: II

Hazard Label(s):



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

Sizes: 1 L, 4 L, 500 mL

UN Number: UN2796

Proper Shipping Name: Sulphuric Acid Solution

Hazard Class: 8

Packing Group: II

Hazard Label(s):



14.3 Transportation of Dangerous Goods (TDG, Canada)

Sizes: 1 L, 4 L, 500 mL

UN Number: UN2796

Proper Shipping Name: SULPHURIC ACID SOLUTION

Hazard Class: 8

Packing Group: II

Hazard Label(s):



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

Mercuric Oxide (CAS # 21908-53-2): "500 lb EPCRA RQ" As Mercuric oxide [21908-53-2]

Mercuric Oxide (CAS # 21908-53-2): "500 lb lower TPQ"

Mercuric Oxide (CAS # 21908-53-2): 10000 lb upper TPQ

Mercuric Oxide (CAS # 21908-53-2): 10000 lb upper TPQ" As Mercuric oxide [21908-53-2]

Mercuric Oxide (CAS # 21908-53-2): 500 lb EPCRA RQ

Mercuric Oxide (CAS # 21908-53-2): 500 lb lower TPQ

Sulfuric Acid (CAS # 7664-93-9): "1000 lb EPCRA RQ" As Sulfuric acid [7664-93-9]

Sulfuric Acid (CAS # 7664-93-9): "1000 lb TPQ" As Sulfuric acid [7664-93-9]

Sulfuric Acid (CAS # 7664-93-9): 1000 lb EPCRA RQ

Sulfuric Acid (CAS # 7664-93-9): 1000 lb TPQ

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

Sulfuric Acid (CAS # 7664-93-9):

"1000 lb final RQ

Sulfuric Acid (CAS # 7664-93-9): "1000 lb final RQ

Sulfuric Acid (CAS # 7664-93-9): 1000 lb final RQ

Sulfuric Acid (CAS # 7664-93-9): 454 kg final RQ

Sulfuric Acid (CAS # 7664-93-9): 454 kg final RQ" As Fuming sulfuric acid [8014-95-7]

Sulfuric Acid (CAS # 7664-93-9): 454 kg final RQ" As Sulfuric acid [7664-93-9]

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

Mercuric Oxide (CAS # 21908-53-2): "10 lb RT" As Mercury compounds [RR-00138-7]

Mercuric Oxide (CAS # 21908-53-2): "not eligible for the de minimis exemption, listed under Chemical Category N458" As Mercury compounds [RR-00138-7]

Mercuric Oxide (CAS # 21908-53-2): 10 lb RT

Mercuric Oxide (CAS # 21908-53-2): not eligible for the de minimis exemption, listed under Chemical Category N458

Sulfuric Acid (CAS # 7664-93-9): "1.0 % de minimis concentration (acid aerosols including mists, vapors, gas, fog, and other airborne forms of any particle size)" As Sulfuric acid [7664-93-9]

Sulfuric Acid (CAS # 7664-93-9): 1.0 % de minimis concentration (acid aerosols including mists, vapors, gas, fog, and other airborne forms of any particle size)

Safety Data Sheet

15.5. Massachusetts Right-to-Know Substance List

Mercuric Oxide (CAS # 21908-53-2): "Extraordinarily hazardous" As Mercuric oxide [21908-53-2]

Mercuric Oxide (CAS # 21908-53-2): Extraordinarily hazardous

Sulfuric Acid (CAS # 7664-93-9):

"Present" As Sulfuric acid, mixture with sulfur trioxide [8014-95-7]

Sulfuric Acid (CAS # 7664-93-9): "Extraordinarily hazardous" As Sulfuric acid [7664-93-9]

Sulfuric Acid (CAS # 7664-93-9): Extraordinarily hazardous

Sulfuric Acid (CAS # 7664-93-9): Present

15.6. Pennsylvania Right-to-Know Hazardous Substances

Mercuric Oxide (CAS # 21908-53-2):

"Environmental hazard" As Mercury compounds [RR-00138-7]

Mercuric Oxide (CAS # 21908-53-2):

"Environmental hazard" As Mercury inorganic compounds [RR-00569-6]

Mercuric Oxide (CAS # 21908-53-2): "Environmental hazard" As Mercuric oxide [21908-53-2]

Mercuric Oxide (CAS # 21908-53-2): "Environmental hazard" As Mercury compounds [RR-00138-7]

Mercuric Oxide (CAS # 21908-53-2): Environmental hazard

Sulfuric Acid (CAS # 7664-93-9):

"Environmental hazard (listed under Sulfuric acid)" As Oleum [8014-95-7]

Sulfuric Acid (CAS # 7664-93-9): "Environmental hazard" As Sulfuric acid [7664-93-9]

Sulfuric Acid (CAS # 7664-93-9): Environmental hazard

Sulfuric Acid (CAS # 7664-93-9): Environmental hazard (listed under Sulfuric acid)

Water (CAS # 7732-18-5): "Present" As Ethyl alcohol and water [RR-00802-6]

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



Safety Data Sheet

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

Mercuric Oxide (CAS # 21908-53-2):

"corrosive" As Mercury inorganic compounds [RR-00569-6]

Mercuric Oxide (CAS # 21908-53-2):

"sn 1183" As Mercury inorganic compounds [RR-00569-6]

Mercuric Oxide (CAS # 21908-53-2):

"SN 2414 500 lb TPQ (Category Code N458. Includes any unique chemical substance that contains the named metal as part of that chemical structure) As Mercury compounds [RR-00138-7]

Mercuric Oxide (CAS # 21908-53-2): "SN 2414 500 lb TPQ (Category Code N458. Includes any unique chemical substance that contains the named metal as part of that chemical structure)" As Mercury compounds [RR-00138-7]

Mercuric Oxide (CAS # 21908-53-2): "SN 2537 500 lb TPQ" As Mercuric oxide [21908-53-2]

Mercuric Oxide (CAS # 21908-53-2): "sn 2537" As Mercuric oxide [21908-53-2]

Mercuric Oxide (CAS # 21908-53-2): "teratogen" As Mercuric oxide [21908-53-2]

Mercuric Oxide (CAS # 21908-53-2): corrosive

Mercuric Oxide (CAS # 21908-53-2): sn 1183

Mercuric Oxide (CAS # 21908-53-2): SN 2414 500 lb TPQ (Category Code N458. Includes any unique chemical substance that contains the named metal as part of that chemical structure)

Mercuric Oxide (CAS # 21908-53-2): sn 2537

Mercuric Oxide (CAS # 21908-53-2): SN 2537 500 lb TPQ

Mercuric Oxide (CAS # 21908-53-2): teratogen

Sulfuric Acid (CAS # 7664-93-9):

"carcinogen

Sulfuric Acid (CAS # 7664-93-9):

"sn 1762" As Sulfuric acid, fuming [8014-95-7]

Sulfuric Acid (CAS # 7664-93-9): "carcinogen

Sulfuric Acid (CAS # 7664-93-9): "SN 1761 500 lb TPQ" As Sulfuric acid [7664-93-9]

Sulfuric Acid (CAS # 7664-93-9): "sn 1761" As Sulfuric acid [7664-93-9]

Sulfuric Acid (CAS # 7664-93-9): carcinogen

Sulfuric Acid (CAS # 7664-93-9): corrosive

Sulfuric Acid (CAS # 7664-93-9): reactive - second degree

Sulfuric Acid (CAS # 7664-93-9): reactive - second degree" As Sulfuric acid [7664-93-9]

Sulfuric Acid (CAS # 7664-93-9): reactive - second degree" As Sulfuric acid, fuming [8014-95-7]

Sulfuric Acid (CAS # 7664-93-9): sn 1761

Sulfuric Acid (CAS # 7664-93-9):

15.8. California Proposition 65

Mercuric Oxide (CAS # 21908-53-2): "developmental toxicity, 7/1/1990" As Mercury compounds [RR-00138-7]

Mercuric Oxide (CAS # 21908-53-2): developmental toxicity, 7/1/1990

Sulfuric Acid (CAS # 7664-93-9): "carcinogen, 3/14/2003" As Strong inorganic acid mists containing sulfuric acid [RR-03978-1]

Sulfuric Acid (CAS # 7664-93-9): carcinogen, 3/14/2003



Safety Data Sheet

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

Mercuric Oxide (CAS # 21908-53-2): "Present" As Mercuric oxide [21908-53-2] (DSL)
Mercuric Oxide (CAS # 21908-53-2): Present (DSL)
Sulfuric Acid (CAS # 7664-93-9): "Present" As Sulfuric acid [7664-93-9] (DSL)
Sulfuric Acid (CAS # 7664-93-9): Present (DSL)
Water (CAS # 7732-18-5): "Present" As Water [7732-18-5] (DSL)
Water (CAS # 7732-18-5): Present (DSL)
Potassium Sulfate (CAS # 7778-80-5): "Present" As Sulfuric acid, potassium salt [10233-01-9] (NDSL)
Potassium Sulfate (CAS # 7778-80-5): Present (DSL)
Potassium Sulfate (CAS # 7778-80-5): Present (NDSL)

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.

Mercuric Oxide (CAS # 21908-53-2): "Present [12C] (ACTIVE)" As Mercury oxide (HgO) [21908-53-2]
Mercuric Oxide (CAS # 21908-53-2): Present [12C] (ACTIVE)
Sulfuric Acid (CAS # 7664-93-9): "Present (ACTIVE)" As Sulfuric acid [7664-93-9]
Sulfuric Acid (CAS # 7664-93-9): Present (ACTIVE)
Water (CAS # 7732-18-5): "Present [XU] (ACTIVE)" As Water [7732-18-5]
Water (CAS # 7732-18-5): Present [XU] (ACTIVE)
Potassium Sulfate (CAS # 7778-80-5): Present (ACTIVE)

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

Mercuric Oxide (CAS # 21908-53-2): "244-654-7" As Mercury monoxide [21908-53-2]
Mercuric Oxide (CAS # 21908-53-2): 244-654-7
Sulfuric Acid (CAS # 7664-93-9): "231-639-5" As Sulphuric acid [7664-93-9]
Sulfuric Acid (CAS # 7664-93-9): 231-639-5
Water (CAS # 7732-18-5): "231-791-2" As Water [7732-18-5]
Water (CAS # 7732-18-5): 231-791-2
Potassium Sulfate (CAS # 7778-80-5): 231-915-5
Potassium Sulfate (CAS # 7778-80-5): 233-558-0

Safety Data Sheet

SECTION 16: Other Information

16.1. Full Text of Hazard Statements and Precautionary Statements

May be corrosive to metals. Causes severe skin burns and eye damage. Fatal if inhaled.

Keep only in original container. Do not breathe fumes, mist, vapors, or spray. Wash arms, hands and face thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves and eye protection. In case of inadequate ventilation wear respiratory protection.

IF SWALLOWED: rinse mouth. Do NOT induce vomiting. 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. Immediately call a POISON CENTER or physician. Specific treatment is urgent (Wash areas of contact with water. If possible, wipe off areas of contact with dry cloth before flushing with water). Wash contaminated clothing before reuse. Absorb spillage to prevent material damage.

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

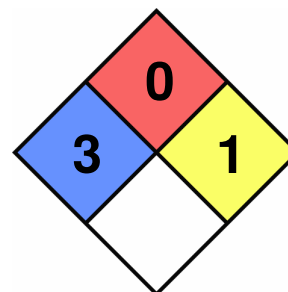
Physical Hazards Not Otherwise Classified (PHNOC): Not Applicable.

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

Biohazardous Infectious Materials Hazard Class: Not Applicable.

16.3. National Fire Protection Association (NFPA) Rating

Health: 3
Flammability: 0
Reactivity: 1
Special Hazard:



16.4. Document Revision

Last Revision Date: 2025-04-06

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.