



Safety Data Sheet

Classified According to OSHA Hazard Communication Standard (HCS)

SECTION 1: Identification

1.1. Product Identifier

Trade Name or Designation: Starch Indicator for Sulfite

Product Number: R8055700

Other Identifying Product Numbers: R8055700-1C, R8055700-500C

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

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:
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

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2.2. GHS Label Elements

Pictograms:



Signal Word: **Danger**

Hazard Statements:

Hazard Number	Hazard Statement
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.

Precautionary Statements:

Precautionary Number	Precautionary Statement
P260	Do not breathe fumes, mist, vapors, or spray.
P264	Wash arms, hands and face thoroughly after handling.
P280	Wear protective gloves and eye 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.
P321	Specific treatment (Wash areas of contact with water.).
P363	Wash contaminated clothing before reuse.
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.

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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	95.65
Potassium Hydroxide	KOH	56.10 g/mol	1310-58-3	1.72
Hydrochloric Acid	HCl	36.46 g/mol	7647-01-0	1.40
Acetic Acid	CH ₃ COOH	60.05 g/mol	64-19-7	0.62
Starch	(C ₆ H ₁₀ O ₅) _n	Data not available.	9005-25-8	0.59

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 slight irritation.

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. May cause slight irritation.

Ingestion: IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Dilute with water or milk. Call a physician if necessary.

4.2. Most Important Symptoms and Effects, Acute and Delayed

Causes severe skin burns and eye damage. Causes serious eye damage. Does not present any significant health hazards. Wash areas of contact with water. Non-flammable, non-toxic, non-corrosive. EYE CONTACT: May cause slight irritation. SKIN CONTACT: May cause slight irritation.

4.3. Medical Attention or Special Treatment Needed

Immediately call a POISON CENTER or physician. Specific treatment (Wash areas of contact with water.). 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, g oxygen. Flush with plenty of water for at least 15 minutes. Call a physician if irritation develops. Dilute with water or milk. Call a physician if necessary.

SECTION 5: Fire-Fighting Measures

5.1. Extinguishing Media

Use any means suitable for extinguishing surrounding fire.

5.2. Specific Hazards Arising from the Substance or Mixture

Not considered to be a fire or explosion hazard.

5.3. Special Protective Equipment for Firefighters

Use protective clothing and breathing equipment appropriate for the surrounding fire.



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SECTION 6: Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Wear protective gloves and eye protection.

6.2. Cleanup and Containment Methods and Materials

Absorb with suitable material and 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.

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SECTION 8: Exposure Controls / Personal Protection

8.1 Control Parameters

Chemical Name	Limit Type	Country	Exposure Limit	Information Source
Potassium Hydroxide (1310-58-3)	TLV-Ceiling	USA	2 mg/m ³ Ceiling	ACGIH - Threshold Limit Values - Ceilings (TLV-C)
Potassium Hydroxide (1310-58-3)	TLV-Ceiling	USA	"2 mg/m ³ Ceiling" As Potassium hydroxide [1310-58-3]	ACGIH - Threshold Limit Values - Ceilings (TLV-C)
Potassium Hydroxide (1310-58-3)	TLV-Ceiling	USA	"2 mg/m ³ Ceiling" As Potassium hydroxide [1310-58-3]	ACGIH - Threshold Limit Values - Ceilings (TLV-C)
Potassium Hydroxide (1310-58-3)	TLV-Ceiling	USA	"2 mg/m ³ Ceiling" As Potassium hydroxide [1310-58-3]	ACGIH - Threshold Limit Values - Ceilings (TLV-C)
Potassium Hydroxide (1310-58-3)	TLV-Ceiling	USA	"2 mg/m ³ Ceiling" As Potassium hydroxide [1310-58-3]	ACGIH - Threshold Limit Values - Ceilings (TLV-C)
Acetic Acid (64-19-7)	TLV-STEL	USA	"15 ppm STEL" As Acetic acid [64-19-7]	ACGIH - Threshold Limit Values - Short Term Exposure Limits (TLV-STEL)
Acetic Acid (64-19-7)	TLV-TWA	USA	"10 ppm TWA" As Acetic acid [64-19-7]	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)
Acetic Acid (64-19-7)	TWA	USA	"10 ppm TWA; 25 mg/m ³ TWA" As Acetic acid [64-19-7]	U.S. - OSHA - Final PELs - Time Weighted Averages (TWAs)
Acetic Acid (64-19-7)	TWA	USA	10 ppm TWA; 25 mg/m ³ TWA	U.S. - OSHA - Final PELs - Time Weighted Averages (TWAs)
Acetic Acid (64-19-7)	TLV-TWA	USA	10 ppm TWA	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)
Acetic Acid (64-19-7)	TLV-STEL	USA	15 ppm STEL	ACGIH - Threshold Limit Values - Short Term Exposure Limits (TLV-STEL)
Acetic Acid (64-19-7)	TLV-TWA	USA	"10 ppm TWA" As Acetic acid [64-19-7]	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)
Acetic Acid (64-19-7)	TLV-STEL	USA	"15 ppm STEL" As Acetic acid [64-19-7]	ACGIH - Threshold Limit Values - Short Term Exposure Limits (TLV-STEL)
Acetic Acid (64-19-7)	TWA	USA	"10 ppm TWA; 25 mg/m ³ TWA" As Acetic acid [64-19-7]	U.S. - OSHA - Final PELs - Time Weighted Averages (TWAs)

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Acetic Acid (64-19-7)	TLV-STEL	USA	"15 ppm STEL" As Acetic acid [64-19-7]	ACGIH - Threshold Limit Values - Short Term Exposure Limits (TLV-STEL)
Hydrochloric Acid (7647-01-0)	PEL-Ceiling	USA	"5 ppm Ceiling; 7 mg/m ³ Ceiling" As Hydrogen chloride [7647-01-0]	U.S. - OSHA - Final PELs - Ceiling Limits
Hydrochloric Acid (7647-01-0)	TLV-Ceiling	USA	"2 ppm Ceiling" As Hydrogen chloride [7647-01-0]	ACGIH - Threshold Limit Values - Ceilings (TLV-C)
Hydrochloric Acid (7647-01-0)	TLV-Ceiling	USA	"2 ppm Ceiling" As Hydrogen chloride [7647-01-0]	ACGIH - Threshold Limit Values - Ceilings (TLV-C)
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Hydrochloric Acid (7647-01-0)	TLV-Ceiling	USA	2 ppm Ceiling	ACGIH - Threshold Limit Values - Ceilings (TLV-C)
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Hydrochloric Acid (7647-01-0)	TLV-Ceiling	USA	"2 ppm Ceiling" As Hydrogen chloride [7647-01-0]	ACGIH - Threshold Limit Values - Ceilings (TLV-C)
Starch (9005-25-8)	TWA	USA	"15 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable fraction)" As Starch [9005-25-8]	U.S. - OSHA - Final PELs - Time Weighted Averages (TWAs)
Starch (9005-25-8)	TLV-TWA	USA	"10 mg/m ³ TWA" As Starch [9005-25-8]	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)
Starch (9005-25-8)	TLV-TWA	USA	"10 mg/m ³ TWA" As Starch [9005-25-8]	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)
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Starch (9005-25-8)	TLV-TWA	USA	"10 mg/m ³ TWA" As Starch [9005-25-8]	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)
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Starch (9005-25-8)	TLV-TWA	USA	"10 mg/m ³ TWA" As Starch [9005-25-8]	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)
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Starch (9005-25-8)	TLV-TWA	USA	"10 mg/m ³ TWA" As Starch [9005-25-8]	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)
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Starch (9005-25-8)	TLV-TWA	USA	"10 mg/m ³ TWA" As Starch [9005-25-8]	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)
Starch (9005-25-8)	TLV-TWA	USA	"10 mg/m ³ TWA" As Starch [9005-25-8]	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)
Starch (9005-25-8)	TWA	USA	"15 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable fraction)" As Starch [9005-25-8]	U.S. - OSHA - Final PELs - Time Weighted Averages (TWAs)
Starch (9005-25-8)	TLV-TWA	USA	"10 mg/m ³ TWA" As Starch [9005-25-8]	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)

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Starch (9005-25-8)	TWA	USA	"15 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable fraction)" As Starch [9005-25-8]	U.S. - OSHA - Final PELs - Time Weighted Averages (TWAs)
Starch (9005-25-8)	TLV-TWA	USA	"10 mg/m ³ TWA" As Starch [9005-25-8]	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)
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Starch (9005-25-8)	TLV-TWA	USA	"10 mg/m ³ TWA" As Starch [9005-25-8]	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)
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Starch (9005-25-8)	TLV-TWA	USA	"10 mg/m ³ TWA" As Starch [9005-25-8]	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)
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Starch (9005-25-8)	TLV-TWA	USA	"10 mg/m ³ TWA" As Starch [9005-25-8]	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)
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Starch (9005-25-8)	TLV-TWA	USA	"10 mg/m ³ TWA" As Starch [9005-25-8]	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)
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Starch (9005-25-8)	TLV-TWA	USA	"10 mg/m ³ TWA" As Starch [9005-25-8]	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)



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Starch (9005-25-8)	TWA	USA	"15 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable fraction)" As Starch [9005-25-8]	U.S. - OSHA - Final PELs - Time Weighted Averages (TWAs)
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8.2. Exposure Controls

Engineering Controls: No specific controls are needed. Normal room ventilation is adequate.

Respiratory Protection: Normal room ventilation is adequate.

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. Normal room ventilation is adequate. Chemical resistant gloves. Safety glasses or goggles.



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SECTION 9: Physical and Chemical Properties

9.1. Basic Physical and Chemical Properties

Appearance: White translucent liquid

Physical State: Liquid

Odor: Data not available.

Odor Threshold: Data not available.

pH: 3.90 - 4.10

Melting/Freezing Point: Approximately 0°C

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

Flash Point: Data not available.

Evaporation Rate: Data not available.

Flammability: Data not available.

Flammability/Explosive Limits: Data not available.

Vapor Pressure: Data not available.

Vapor Density: Data not available.

Relative Density: 1.01

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

Strong oxidizing agents.

10.4. Hazardous Decomposition Products

Will not occur.

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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:

Not applicable.

Acute Toxicity - Other Information:

LD50, Oral, Rat: 900 mg/kg (Hydrochloric Acid), 3310 mg/kg (Acetic 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.). 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.

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.



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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.

SECTION 14: Transportation Information

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

Not regulated according to DOT Regulations.



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

Not regulated according to IATA Dangerous Goods Regulations.

14.3 Transportation of Dangerous Goods (TDG, Canada)

Not regulated according to TDG Regulations.

SECTION 15: Regulatory Information

15.1. Occupational Safety and Health Administration (OSHA) Hazards

Not listed.

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

Hydrochloric Acid (CAS # 7647-01-0): "500 lb TPQ (gas only)" As Hydrogen chloride [7647-01-0]

Hydrochloric Acid (CAS # 7647-01-0): "5000 lb EPCRA RQ (gas only)" As Hydrogen chloride [7647-01-0]

Hydrochloric Acid (CAS # 7647-01-0): 500 lb TPQ (gas only)

Hydrochloric Acid (CAS # 7647-01-0): 5000 lb EPCRA RQ (gas only)

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

Potassium Hydroxide (CAS # 1310-58-3): "1000 lb final RQ
Potassium Hydroxide (CAS # 1310-58-3): 1000 lb final RQ
Potassium Hydroxide (CAS # 1310-58-3): 454 kg final RQ
Potassium Hydroxide (CAS # 1310-58-3): 454 kg final RQ" As Potassium hydroxide [1310-58-3]
Acetic Acid (CAS # 64-19-7): "5000 lb final RQ
Acetic Acid (CAS # 64-19-7): 2270 kg final RQ
Acetic Acid (CAS # 64-19-7): 2270 kg final RQ" As Acetic acid [64-19-7]
Acetic Acid (CAS # 64-19-7): 5000 lb final RQ
Hydrochloric Acid (CAS # 7647-01-0): "5000 lb final RQ
Hydrochloric Acid (CAS # 7647-01-0): 2270 kg final RQ
Hydrochloric Acid (CAS # 7647-01-0): 2270 kg final RQ" As Hydrochloric acid [7647-01-0]
Hydrochloric Acid (CAS # 7647-01-0): 5000 lb final RQ

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

Hydrochloric Acid (CAS # 7647-01-0): "1.0 % de minimis concentration (acid aerosols including mists, vapors, gas, fog, and other airborne forms of a particle size)" As Hydrochloric acid [7647-01-0]
Hydrochloric Acid (CAS # 7647-01-0): 1.0 % de minimis concentration (acid aerosols including mists, vapors, gas, fog, and other airborne forms of any particle size)

15.5. Massachusetts Right-to-Know Substance List

Potassium Hydroxide (CAS # 1310-58-3): "Present" As Potassium hydroxide [1310-58-3]
Potassium Hydroxide (CAS # 1310-58-3): Present
Acetic Acid (CAS # 64-19-7): "Present (including glacial)" As Acetic acid [64-19-7]
Acetic Acid (CAS # 64-19-7): Present (including glacial)
Hydrochloric Acid (CAS # 7647-01-0): "Extraordinarily hazardous" As Hydrochloric acid [7647-01-0]
Hydrochloric Acid (CAS # 7647-01-0): Extraordinarily hazardous
Starch (CAS # 9005-25-8): "Present (dust)" As Starch [9005-25-8]
Starch (CAS # 9005-25-8): Present (dust)

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15.6. Pennsylvania Right-to-Know Hazardous Substances

Potassium Hydroxide (CAS # 1310-58-3): "Environmental hazard" As Potassium hydroxide (K(OH)) [1310-58-3]
Potassium Hydroxide (CAS # 1310-58-3): Environmental hazard
Acetic Acid (CAS # 64-19-7): "Environmental hazard"
Acetic Acid (CAS # 64-19-7): "Environmental hazard (including water solutions)" As Acetic acid [64-19-7]
Acetic Acid (CAS # 64-19-7): Environmental hazard
Acetic Acid (CAS # 64-19-7): Environmental hazard (including water solutions)
Acetic Acid (CAS # 64-19-7): Environmental hazard (water solutions)
Acetic Acid (CAS # 64-19-7): Environmental hazard (water solutions)" As Acetic acid [64-19-7]
Hydrochloric Acid (CAS # 7647-01-0): "Environmental hazard" As Hydrochloric acid [7647-01-0]
Hydrochloric Acid (CAS # 7647-01-0): Environmental hazard
Water (CAS # 7732-18-5): "Present" As Ethyl alcohol and water [RR-00802-6]
Water (CAS # 7732-18-5): Present
Starch (CAS # 9005-25-8): "Present" As Starch [9005-25-8]
Starch (CAS # 9005-25-8): Present

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

Potassium Hydroxide (CAS # 1310-58-3): "corrosive" As Potassium hydroxide [1310-58-3]
Potassium Hydroxide (CAS # 1310-58-3): "sn 1571" As Potassium hydroxide [1310-58-3]
Potassium Hydroxide (CAS # 1310-58-3): corrosive
Potassium Hydroxide (CAS # 1310-58-3): sn 1571
Acetic Acid (CAS # 64-19-7): "corrosive" As Acetic acid [64-19-7]
Acetic Acid (CAS # 64-19-7): "sn 0004" As Acetic acid [64-19-7]
Acetic Acid (CAS # 64-19-7): corrosive
Acetic Acid (CAS # 64-19-7): sn 0004
Hydrochloric Acid (CAS # 7647-01-0): "corrosive" As Hydrogen chloride [7647-01-0]
Hydrochloric Acid (CAS # 7647-01-0): "SN 1012 500 lb TPQ"
Hydrochloric Acid (CAS # 7647-01-0): "sn 1012" As Hydrogen chloride [7647-01-0]
Hydrochloric Acid (CAS # 7647-01-0): corrosive
Hydrochloric Acid (CAS # 7647-01-0): sn 1012
Hydrochloric Acid (CAS # 7647-01-0): SN 1012 500 lb TPQ
Hydrochloric Acid (CAS # 7647-01-0): SN 2909 500 lb TPQ (gas only)
Hydrochloric Acid (CAS # 7647-01-0): SN 2909 500 lb TPQ (gas only)" As Hydrogen chloride [7647-01-0]

15.8. California Proposition 65

Not listed.

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

Potassium Hydroxide (CAS # 1310-58-3): "Present" As Potassium hydroxide [1310-58-3] (DSL)
Potassium Hydroxide (CAS # 1310-58-3): Present (DSL)
Acetic Acid (CAS # 64-19-7): "Present" As Acetic acid [64-19-7] (DSL)
Acetic Acid (CAS # 64-19-7): "Present" As Carboxylic acids, C1-5 [68937-68-8] (NDSL)
Acetic Acid (CAS # 64-19-7): Present (DSL)
Acetic Acid (CAS # 64-19-7): Present (NDSL)
Hydrochloric Acid (CAS # 7647-01-0): "Present" As Hydrogen chloride [7647-01-0] (DSL)
Hydrochloric Acid (CAS # 7647-01-0): Present (DSL)
Water (CAS # 7732-18-5): "Present" As Water [7732-18-5] (DSL)
Water (CAS # 7732-18-5): Present (DSL)
Starch (CAS # 9005-25-8): "Present" As Starch [9005-25-8] (DSL)
Starch (CAS # 9005-25-8): 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.

Potassium Hydroxide (CAS # 1310-58-3): "Present (ACTIVE)" As Potassium hydroxide (K(OH)) [1310-58-3]
Potassium Hydroxide (CAS # 1310-58-3): Present (ACTIVE)
Acetic Acid (CAS # 64-19-7): "Present (ACTIVE)" As Acetic acid [64-19-7]
Acetic Acid (CAS # 64-19-7): Present (ACTIVE)
Hydrochloric Acid (CAS # 7647-01-0): "Present (ACTIVE)" As Hydrochloric acid [7647-01-0]
Hydrochloric Acid (CAS # 7647-01-0): Present (ACTIVE)
Water (CAS # 7732-18-5): "Present [XU] (ACTIVE)" As Water [7732-18-5]
Water (CAS # 7732-18-5): Present [XU] (ACTIVE)
Starch (CAS # 9005-25-8): "Present [XU] (ACTIVE)" As Starch [9005-25-8]
Starch (CAS # 9005-25-8): Present [XU] (ACTIVE)

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

Potassium Hydroxide (CAS # 1310-58-3): "215-181-3" As Potassium hydroxide [1310-58-3]
Potassium Hydroxide (CAS # 1310-58-3): 215-181-3
Acetic Acid (CAS # 64-19-7): "200-580-7" As Acetic acid [64-19-7]
Acetic Acid (CAS # 64-19-7): 200-580-7
Acetic Acid (CAS # 64-19-7): 273-079-4
Hydrochloric Acid (CAS # 7647-01-0): "231-595-7" As Hydrogen chloride [7647-01-0]
Hydrochloric Acid (CAS # 7647-01-0): 231-595-7
Water (CAS # 7732-18-5): "231-791-2" As Water [7732-18-5]
Water (CAS # 7732-18-5): 231-791-2
Starch (CAS # 9005-25-8): "232-679-6" As Starch [9005-25-8]
Starch (CAS # 9005-25-8): 232-679-6

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SECTION 16: Other Information

16.1. Full Text of Hazard Statements and Precautionary Statements

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. 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 (Wash areas of contact with water.). Wash contaminated clothing before reuse.

Store locked up.

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

16.2. Miscellaneous Hazard Classes

Canadian Carcinogenicity Hazard Class: Not Applicable.

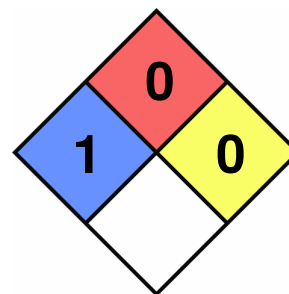
Physical Hazards Not Otherwise Classified (PHNOC): Not Applicable.

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

Biohazardous Infectious Materials Hazard Class: Not Applicable.

16.3. National Fire Protection Association (NFPA) Rating

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



16.4. Document Revision

Last Revision Date: 2026-01-11

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.