SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifiers

Product name	Chlorine Indicator
CAS number	See Section 3
Synonyms	No information available

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses	Laboratory Chemicals

1.3 Details of the supplier of the safety data sheet

Company	Lab Alley, LLC 12501 Pauls Valley Road Austin, Texas 78737 U.S.A.
Telephone	512-668-9918
Fax	512-886-4008

1.4 Emergency telephone

Emergency Phone #	US & Canada: 1-800-535-5053	INFOTRAC
	International 1-352-323-3500	INFOTRAC

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

This product is not categorized as hazardous in any GHS hazard class.

2.2 GHS Label elements, including precautionary statements

Pictogram	None Required.

Signal Word	None Required.
Hazard statements	None Required.
Precautionary statements	None Required.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

Data not available.

SECTION 3: Composition/information on ingredients

3.1 Components

Chemical name	Common name and synonyms	CAS number	Concentration
Water	No information available	7732-18-5	99.51%
Sulfuric Acid	No information available	7664-93-9	0.36%
N,N-Diethyl-1,4-phenylenediamine Sulfate	No information available	6283-63-2	0.11%
Ethylenediaminetetraacetic Acid (EDTA), Disodium Salt, Dihydrate	No information available	6381-92-6	< 0.1%

SECTION 4: First aid measures

4.1 Description of first-aid measures

General advice

If inhaled	Not expected to require first aid. If necessary, remove to fresh air.
In case of skin contact	May cause slight irritation.
In case of eye contact	May cause slight irritation.
If swallowed	Dilute with water or milk. Do not induce vomiting. Call a physician if necessary.

4.2 Most important symptoms and effects, both acute and delayed

This solution contains a very low concentration of a toxic substance and may be harmful if ingested. If ingested, dilute with water or milk and call a physician if necessary. Wash areas of contact with water. For eyes, get medical attention. EYE CONTACT: May cause slight irritation. SKIN CONTACT: May cause slight irritation.

4.3 Indication of any immediate medical attention and special treatment needed

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. Dilute with water or milk. Do not induce vomiting. Call a physician if necessary.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media Use any means suitable for extinguishing surrounding fire.

Unsuitable extinguishing media No information available.

5.2 Specific hazards arising from the substance or mixture

Contact with most metals causes formation of flammable and explosive hydrogen gas. However, the risk is reduced due to the weak concentration of Sulfuric Acid present.

5.3 Special protective equipment and precautions for firefighters

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

5.4 Further information

Flash Point No information available.

Autoignition Temperature No information available.

Explosion limits

Upper No data available.
Lower No data available.
Sensitivity to Mechanical Impact No information available.
Sensitivity to Static Discharge No information available.
NFPA

Health	Flammability	Instability	Physical hazards
1	0	0	N/A

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear appropriate PPE for the size and nature of the spill. As a general rule, wear safety glasses and gloves.

6.2 Environmental precautions

No information available.

6.3 Methods and materials for containment and cleaning up

Cover the spill with Sodium Carbonate or a soda ash-slaked lime mixture (50:50). Mix and add water to form slurry. Decant the liquid to the drain with excess water. Treat the solid residue as normal refuse. Wash site with soda ash solution. Always dispose of in accordance with local regulations.

6.4 Reference to other sections

No information available.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

As with all chemicals, wash hands thoroughly after handling. Avoid contact with eyes and skin.

Hygiene measures

No information available.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions

Protect from freezing and physical damage.

Incompatibilities

See Section 10.

SECTION 8: Exposure controls/personal protection

8.1 Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Component	Type	Value
Sulfuric Acid (7664-93-9)	TWA	1 mg/m3

US. ACGIH Threshold Limit Values

Component	Type	Value
Sulfuric Acid (7664-93-9)	TLV-TWA	0.2 mg/m3 (thoracic particulate matter)

US. NIOSH: Pocket Guide to Chemical Hazards

No information available.

Biological occupational exposure limits

No information available.

8.2 Exposure controls

Appropriate engineering controls

No specific controls are needed. Normal room ventilation is adequate.

Personal protective equipment

Eye/face protection
Safety glasses or goggles.

Skin protection
Chemical resistant gloves.

Body Protection
No information available.

Respiratory protection
Normal room ventilation is adequate.

Control of environmental exposure
No information available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical State	Liquid
Appearance	Colorless to slightly pink liquid
Odor	Data not available.
Odor Threshold	Data not available.
pH	Data not available.
Melting Point/Range	0.0°C
Boiling Point/Range	100°C
Evaporation Rate	Data not available.
Flammability (solid)	Data not available.
Flammability or explosive limit	Data not available.
Upper	Data not available.
Lower	Data not available.
Vapor Pressure	Data not available.
Vapor Density	Data not available.
Density	1
Solubility	Miscible
Partition coefficient; n-octanol/water	Data not available.
Autoignition Temp	Data not available.
Decomposition Temp	Data not available.
Viscosity	Data not available.

Molecular Formula	Data not available.
Molecular Weight	Data not available.
VOC Content(%)	Data not available.
Oxidizing properties	Data not available.
	Data not available.

9.2 Other safety information Data not available.

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable under normal conditions of use and storage.

10.2 Chemical stability

Stable under normal usage conditions. Refrigeration will help in the stability of this product. Refrigeration may produce EDTA crystals but this does not affect product quality.

10.3 Possibility of hazardous reactions

Data not available.

10.4 Conditions to avoid

Avoid incompatible materials.

10.5 Incompatible materials

Organics, chlorates, carbides, fulminates, picrates, alkalines, reducing agents, nitrates, Acetic Acid, oxidizing agents, metals.

10.6 Hazardous decomposition products

Will not occur.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Product Information, Component Information

Acute toxicity

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Sulfuric Acid	Rat: 2140 mg/kg	Not listed	Rat: 510 mg/m3/2H
EDTA Disodium anhydrous	Rat: 2000 mg/kg	Not listed	Not listed

Skin corrosion/irritation

Not applicable.

Serious eye damage/eye irritation
Not applicable.

Respiratory or skin sensitization
Not applicable.

Germ cell mutagenicity
Not applicable.

Carcinogenicity
Not applicable.

Specific target organ toxicity - single exposure
Not applicable.

Specific target organ toxicity - repeated exposure
Not applicable.

Reproductive toxicity
Not applicable.

Chronic effects
Not applicable.

11.2 Additional Information
Data not available.

SECTION 12: Ecological information

12.1 Toxicity
Not applicable.

12.2 Persistence and degradability
Data not available.

12.3 Bio accumulative potential
Data not available.

12.4 Mobility in soil
Data not available.

12.5 Results of PBT and vPvB assessment
Data not available.

12.6 Endocrine disrupting properties

Data not available.

12.7 Other adverse effects

Data not available.

SECTION 13: Disposal considerations

13.1 Waste Disposal Methods

Data not available.

SECTION 14: Transport information

DOT (US) Not regulated according to DOT Regulations.

IMDG No information available.

IATA Not regulated according to IATA Dangerous Goods Regulations.

SECTION 15: Regulatory information

US federal regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Ethylenediaminetetraacetic Acid (EDTA), Disodium Salt, Dihydrate (CAS # 6381-92-6): "Present (ACTIVE)" As Glycine, N,N'-1,2-ethanediylbis[N-(carboxymethyl)-, sodium salt (1:2) [7379-28-4]
Sulfuric Acid (CAS # 7664-93-9): Present (ACTIVE)
Water (CAS # 7732-18-5): Present [XU] (ACTIVE)

CERCLA Hazardous Substance List (40 CFR 302.4)

No information available.

SARA 304 Emergency release notification

No information available.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

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

SARA 311/312 Hazardous

Sulfuric Acid (CAS # 7664-93-9): 1000 lb final RQ
Sulfuric Acid (CAS # 7664-93-9): 454 kg final RQ" As Fuming sulfuric acid [8014-95-7]

SARA 313 (TRI reporting)

Sulfuric Acid (CAS # 7664-93-9): 1.0 % de minimis concentration (acid aerosols including n
size)

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

No information available.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

No information available.

Safe Drinking Water Act

No information available.

FEMA Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace

No information available.

US state regulations

US. Massachusetts RTK - Substance List

Sulfuric Acid (CAS # 7664-93-9): "Present" As Sulfuric acid, mixture with sulfur trioxide [801
Sulfuric Acid (CAS # 7664-93-9): Extraordinarily hazardous
Sulfuric Acid (CAS # 7664-93-9): Present

US. New Jersey Worker and Community Right-to-Know Act

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): corrosive
Sulfuric Acid (CAS # 7664-93-9): reactive - second degree
Sulfuric Acid (CAS # 7664-93-9): reactive - second degree" As Sulfuric acid, fuming [8014-9
Sulfuric Acid (CAS # 7664-93-9): SN 1761 500 lb TPQ
Sulfuric Acid (CAS # 7664-93-9): sn 1762

US. Pennsylvania Worker and Community Right-to-Know Law

Sulfuric Acid (CAS # 7664-93-9): "Environmental hazard (listed under Sulfuric acid)" As Ole
Water (CAS # 7732-18-5): "Present" As Ethyl alcohol and water [RR-00802-6]
Water (CAS # 7732-18-5): Present

California Proposition 65

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

SECTION 16: Other information

Date of Issue: 12/24/2025

SECTION 17: Disclaimer

The information provided on this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.