

Safety Data Sheet

Version 5.0
Revision Date 07/17/2019



1. Product and Company Identification

Product Name ELISA Stop Solution
Catalog Number E115
Supplier Bethyl Laboratories, Inc.
25043 West FM 1097
Montgomery, TX 77356
Telephone 800-338-9579
Fax 866-597-6105
Product Use For Research Use Only, Not for Diagnostic Use.

2. Hazards Identification

Classifications

Not a dangerous substance accordance with 2012 OSHA Hazardous Communication Standard - 20 CFR 1910.1200.
Not a dangerous substance accordance with CLP Classification – Regulation (EC) No. 1272/2008.

GHS Label elements

Pictogram none
Signal word none

Precautionary Statement(s) none

3. Composition/Information on Ingredients

Hazardous Ingredients

Chemical name	CAS No.	EC No.	Concentration
Sulfuric Acid	7664-93-9	231-639-5	0.93 – 0.98%
Water	7732-18-5	231-791-2	99%

4. First Aid Measures

General Advice If symptoms persist, call a physician
If swallowed Rinse mouth with water. Never give anything by mouth to an unconscious person.
Skin contact Wash skin with soap and plenty of water. Remove any contaminated clothing.
Eye exposure Immediately flush with copious amounts of water. Remove any contact lenses and continue flushing for at least 15 minutes.
If inhaled Move person to fresh air. If not breathing, give artificial respiration. Consult a physician.

5. Fire-Fighting Measures

Extinguishing Media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture

Carbon oxides, nitrogen oxides (NOx), Hydrogen chloride gas, Potassium oxides, Sodium oxides

Special protective equipment for firefighters

Wear self-contained breathing apparatus if necessary.

6. Accidental Release Measures

Personal precautions

Do not breathe vapors, aerosols.

Environmental precautions

No special precautionary measures necessary.

Methods and materials for containment and cleaning up

Dispose of clean-up waste in suitable closed containers

7. Handling and Storage

Precautions for safe handling

Avoid contact with skin and eyes.

Conditions of safe storage

Keep container tightly closed and upright to prevent leakage.

Store at room temperature +15°C to +25°C (+59°F to +77°F).

8. Exposure Controls/Personal Protection

Exposure limit(s)

Ingredients

Basis	Value	Threshold limits	Remarks
sulphuric acid 7664-93-9			
ACGIH	Time Weighted Average (TWA):	0.2 mg/m ³	Form of exposure: Thoracic fraction.
NIOSH/GUIDE	Recommended exposure limit (REL):	1 mg/m ³	
OSHA_TRANS	PEL:	1 mg/m ³	
Z1A	Time Weighted Average (TWA):	1 mg/m ³	

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Respiratory protection

In well ventilated areas, respiratory protection not required.

Hand protection

Handle with gloves.

Eye protection

Safety glasses.

Skin and body protection

Lab coat to limit skin exposure

9. Physical and Chemical Properties

Appearance

Form	liquid
Color	colorless
Odor	odorless

Safety Data

pH	ca. 1.1 at 68 °F (20 °C)
Melting point/ Freezing point	no data available
Boiling point	no data available
Flash point	no data available
Ignition point	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Water Solubility	no data available
Relative vapor density	no data available
Evaporation rate	no data available

10. Stability and Reactivity

Chemical stability

Product is stable under standard ambient conditions (room temperature).

Conditions to avoid

No data available

Incompatible materials

No data available

Hazardous decomposition products

No data available

11. Toxicological Information

Information on toxicological effects

Likely route of exposure

Eye contact, Skin contact

Target Organs

Eyes, Skin, Respiratory system, teeth, Mucous membranes

Specific target organ toxicity - single exposure

Not available

Specific target organ toxicity - repeated exposure

Not available

Carcinogenicity

IARC – 1: Carcinogenic to humans (aerosol form)

ACGIH – A2: Suspected human carcinogen (aerosol form)

Reproductive toxicity

No data available

Specific target organ toxicity single exposure

No data available

Specific target organ toxicity repeated exposure

No data available

Aspiration hazard

No data available

12. Ecological Information

Toxicity	Not determined
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
Other adverse effects	No data available

13. Disposal Considerations

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

14. Transportation Information**Land Transport DOT (U.S.)**

UN Number 1830
Proper Shipping name Sulfuric acid
Transport Hazard Classes
Class 8
Hazard Label(s) 8
Packing Group II
Environmental hazard(s)
Special precautions for user

Sea Transport IMDG

UN Number 1830
Proper Shipping name Sulfuric acid
Transport Hazard Classes
Class 8
Hazard Label(s) 8
EMS- No. F-A, S-B
Packing Group II
Environmental hazard(s)
Segregation Group
Special precautions for user

Air Transport IATA

UN Number 1830

15. Regulatory Information

SARA 302 Components

The following components are subject to reporting levels established by SARA Title III, Section 302:

Ingredients: sulfuric acid CAS No. 7664-93-9

SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Massachusetts Right To Know Components

Sulfuric Acid

New Jersey Right to Know

Sulfuric Acid

California Prop. 65 Components

Sulfuric Acid

Inventory status:

Canada DSL Inventory List: Listed

US TSCA Inventory List: Listed

EINECS, ELINCS or NLP: 231-939-5

16. Other Information

For research use only.

Read instructions for use before using the product. Observe the general safety regulations when handling chemicals.

The above information is believed to be correct but does not purport to be all-inclusive and is intended to be used only as a guide. Bethyl Laboratories, Inc. shall not be liable or responsible in any way for use of either this information or the material supplied. Disposal of hazardous material may be subject to federal, state, or local laws or regulations.

Prepared by: Safety Department
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