

## SAFETY DATA SHEET

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

#### 1.1 Product identifiers

Product name	Ammonium Sulfate 1.0M
CAS number	7783-20-2
Synonyms	Ammonium sulphate

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

Identified uses	Laboratory Chemicals
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#### 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)

Not classified as hazardous under the GHS.

#### 2.2 GHS Label elements, including precautionary statements

Pictogram	None required.
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Signal Word	None required.
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Hazard statements	None required.
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Precautionary statements	None required.
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## 2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

### SECTION 3: Composition/information on ingredients

#### 3.1 Components

All components of this substance are non-hazardous.

### SECTION 4: First aid measures

#### 4.1 Description of first-aid measures

<b>General advice</b>	Consult a physician if symptoms are severe or persistent. Provide this data sheet to medical personnel. If product is spilled or leaked, evacuate area.
<b>If inhaled</b>	If inhaled, move person to fresh air and monitor breathing. If not breathing, give artificial ventilation. Consult a physician if symptoms are severe or persistent.
<b>In case of skin contact</b>	Immediately wash with excess soap and water. If spilled on clothing, remove all affected clothing. Consult a physician if symptoms are severe or persistent.
<b>In case of eye contact</b>	Flush eyes with water or eye wash solution as a precaution for 15 minutes. Consult a physician if symptoms are severe or persistent.
<b>If swallowed</b>	Only induce vomiting if recommended by medical personnel. If subject is unconscious, do not give anything by mouth. If conscious, rinse mouth with water. Consult a physician if symptoms are severe or persistent.

## 4.2 Most important symptoms and effects, both acute and delayed

All known important symptoms are described in Section 2 and/or Section 11. No other important symptoms to report.

## 4.3 Indication of any immediate medical attention and special treatment needed

No special treatment indicated. Provide treatment in accordance with symptoms.

# SECTION 5: Firefighting measures

## 5.1 Extinguishing media

**Suitable extinguishing media** Water spray, alcohol-resistant foam, dry chemical, and carbon dioxide extinguishers are suitable.

**Unsuitable extinguishing media** No known unsuitable extinguishing media.

## 5.2 Specific hazards arising from the substance or mixture

Nitrogen oxides (NO<sub>x</sub>), sulfur oxides.

## 5.3 Special protective equipment and precautions for firefighters

Wear protective gear, such as self-contained breathing apparatus, if necessary.

## 5.4 Further information

**Flash Point** No data available.

**Autoignition Temperature** No data available.

### Explosion limits

**Upper** No data available.

**Lower** No data available.

**Sensitivity to Mechanical Impact** No data available.

**Sensitivity to Static Discharge** No data available.

### NFPA

Health	Flammability	Instability	Physical hazards
0	0	0	N/A

# SECTION 6: Accidental release measures

## 6.1 Personal precautions, protective equipment and emergency procedures

Provide suitable ventilation. Use any necessary personal protective equipment. Avoid contact with skin and eyes, and avoid creation and inhalation of vapor or dust. Keep all unnecessary personnel away.

## 6.2 Environmental precautions

Prevent product from entering public sewers and waterways.

### **6.3 Methods and materials for containment and cleaning up**

Use inert absorbent material to absorb any spilled or leaked product. Keep in suitable, closed containers for disposal.

### **6.4 Reference to other sections**

For proper disposal see section 13.

## **SECTION 7: Handling and storage**

### **7.1 Precautions for safe handling**

Provide suitable ventilation. Wear any necessary personal protective equipment.

#### **Hygiene measures**

Comply with general industrial hygiene practice guidelines.

### **7.2 Conditions for safe storage, including any incompatibilities**

#### **Storage conditions**

Store upright, closed container in arid, ventilated environment.

#### **Incompatibilities**

Strong oxidizing agents and strong bases are incompatible with this product.

## **SECTION 8: Exposure controls/personal protection**

### **8.1 Occupational exposure limits**

This product is not known to contain any substances with occupational exposure limit values.

### **8.2 Exposure controls**

#### **Appropriate engineering controls**

Follow good industrial hygiene and safety practices when handling product.

#### **Personal protective equipment**

##### **Eye/face protection**

Use only government-approved safety glasses with side-shields.

##### **Skin protection**

Use gloves when handling product. Inspect gloves before use to ensure suitability for use. Remove without exposing skin to the gloves outer surface. Discard used gloves according to all pertinent laws and/or current good practices (cGXP). Wash hands with soap and water.

##### **Body Protection**

Wear appropriate clothing. Ensure clothing is in good condition, with no holes or tears. When selecting clothing, consider the concentration and amount of substance to be handled.

#### **Respiratory protection**

Use only approved respirators and components which comply with CDC and NIOSH (US) or CEN (EU) regulations. Required only when vapors or aerosols are created.

#### **Control of environmental exposure**

Prevent product from entering the environment, especially through public sewers or waterways.

## **SECTION 9: Physical and chemical properties**

### **9.1 Information on basic physical and chemical properties**

Physical State	Liquid
Appearance	Clear/Colorless
Odor	No data available
Odor Threshold	No data available
pH	No data available
Melting Point/Range	No data available
Boiling Point/Range	No data available
Evaporation Rate	No data available
Flammability (solid)	No data available
Flammability or explosive limit	
Upper	No data available
Lower	No data available
Vapor Pressure	No data available
Vapor Density	No data available
Density	No data available
Solubility	No data available
Partition coefficient; n-octanol/water	No data available
Autoignition Temp	No data available
Decomposition Temp	No data available
Viscosity	No data available
Molecular Formula	No data available
Molecular Weight	No data available
VOC Content(%)	No data available
Oxidizing properties	No data available

### **9.2 Other safety information**

No information available.

## **SECTION 10: Stability and reactivity**

### **10.1 Reactivity**

No special reactivity is known.

## 10.2 Chemical stability

Product is stable when stored and used as recommended.

## 10.3 Possibility of hazardous reactions

No hazardous reactions are known.

## 10.4 Conditions to avoid

Strong oxidizing agents and strong bases are incompatible with this product.

## 10.5 Incompatible materials

Strong oxidizing agents and strong bases are incompatible with this product.

## 10.6 Hazardous decomposition products

Sulfur and nitrogen oxides may be formed under fire conditions.

# SECTION 11: Toxicological information

## 11.1 Information on toxicological effects

### Product Information, Component Information

#### Acute toxicity

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Ammonium Sulfate	Rat - male and female - 4,250 mg/kg	Rat - male and female - >2,000 mg/kg	No toxicity data available.

#### Skin corrosion/irritation

Rabbit - 20 hrs - no skin irritation.

#### Serious eye damage/eye irritation

Rabbit - causes mild eye irritation.

#### Respiratory or skin sensitization

Maximization test - guinea pig - negative.

#### Germ cell mutagenicity

Ames test - S. typhimurium - with and without metabolic activation - negative (OECD Test Guideline 471)

Mutagenicity (mammal cell test): chromosome aberration - Human lymphocytes - without metabolic activation - negative (OECD Test Guideline 473)

In vitro mammalian cell gene mutation test - Chinese hamster lung cells - with and without metabolic activation - negative (OECD Test Guideline 476)

Micronucleus test - mouse - bone marrow - intraperitoneal

#### Carcinogenicity

Product and components are not regulated by any bodies.

**Specific target organ toxicity - single exposure**

No specific organ toxicity data available.

**Specific target organ toxicity - repeated exposure**

No specific organ toxicity data available.

**Reproductive toxicity**

No reproductive toxicity data available.

**Chronic effects**

No available information.

**11.2 Additional Information**

No additional information.

## SECTION 12: Ecological information

**12.1 Toxicity**

Can be toxic in aquatic environments. Do not let product enter sewers or waterways.

**12.2 Persistence and degradability**

No persistence/degradability data available.

**12.3 Bio accumulative potential**

No bioaccumulation data available.

**12.4 Mobility in soil**

No soil mobility data available.

**12.5 Results of PBT and vPvB assessment**

PBT/vPvB assessment not available as chemical safety assessment is not required/was not conducted.

**12.6 Endocrine disrupting properties**

No available information.

**12.7 Other adverse effects**

No other adverse effect observed.

## SECTION 13: Disposal considerations

**13.1 Waste Disposal Methods**

Chemical waste generators must determine whether a discarded chemical is classified

as a hazardous waste. Chemical waste generators must also consult and adhere to local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

## SECTION 14: Transport information

### DOT (US)

UN Number	Not regulated
Proper Shipping name	Not regulated
Hazard Class	None
Packaging Group	Not regulated
Technical name	Ammonium Sulfate 1.0M

### IMDG

UN Number	Not regulated
Proper Shipping name	Not regulated
Hazard Class	None
Packaging Group	Not regulated
Technical name	Ammonium Sulfate 1.0M

### IATA

UN Number	Not regulated
Proper Shipping name	Not regulated
Hazard Class	None
Packaging Group	Not regulated
Technical name	Ammonium Sulfate 1.0M

## SECTION 15: Regulatory information

### US federal regulations

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

Not listed.

#### CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

#### SARA 304 Emergency release notification

Not listed.

#### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

#### SARA 302 Extremely hazardous substance

This product and components are not subject to the reporting requirements of SARA Title III, Section 302.

**SARA 311/312 Hazardous**

No SARA Hazard.

**SARA 313 (TRI reporting)**

This product contains components with known CAS numbers that exceed threshold reporting levels established by SARA Title III, Section 313: Ammonium sulfate; CAS No.: 7783-20-2;

**Other federal regulations****Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not listed.

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

Not listed.

**Clean Water Act**

No chemicals are present in this product that are subject to regulation under the Clean Water Act.

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

Not listed.

**US state regulations****US. Massachusetts RTK - Substance List**

Ammonium sulfate CAS No.: 7783-20-2

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

No chemicals are present in this product that are subject to regulation under the New Jersey Right to Know Act.

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

Ammonium sulfate CAS No.: 7783-20-2

**California Proposition 65**

This product contains no chemicals which are known to the State of California to cause cancer, or birth defects or other reproductive harm.

**SECTION 16: Other information**

Date of Issue: 5/23/2025

**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.