

## SAFETY DATA SHEET

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

#### 1.1 Product identifiers

Product name	Sulfur Dioxide 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
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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)

Eye Damage / Irritation	Category 2A
Germ Cell Mutagenicity	Category 1
Carcinogenicity	Category 1
Reproductive Toxicity	Category 1

Specific Target Organs/Systemic Toxicity Following Single Exposure  
Specific Target Organs/Systemic Toxicity Following Repeated Exposure  
Flammable Liquids

Category 1  
Category 1  
Category 3

## 2.2 GHS Label elements, including precautionary statements

Pictogram	
Signal Word	Danger
Hazard statements	Flammable liquid and vapor. Causes serious eye irritation. May cause genetic defects. May cause cancer. May damage fertility or the unborn child. Causes damage to organs. Causes damage to organs through prolonged or repeated exposure.
Precautionary statements	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, sparks and open flame. No smoking. Keep container tightly closed. Ground container and receiving equipment. Use explosion-proof equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe fumes, mist, vapors, or spray. Wash arms, hands and face thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves and eye protection. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed: Call a POISON CENTER or physician. IF exposed or concerned: Get medical attention. Get medical attention if you feel unwell. Specific treatment (Wash areas of contact with water). If eye irritation persists: Get medical attention. In case of fire: Use dry chemical, foam or carbon dioxide to extinguish. Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents in accordance with local, state, federal and international regulations.

## 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	55.79%
Ethyl Alcohol	No information available	64-17-5	41.94%
Methyl Alcohol	No information available	67-56-1	2.10%
Methyl Red	No information available	63451-28-5	0.11%
Methylene Blue	No information available	7220-79-3	0.06%

## SECTION 4: First aid measures

### 4.1 Description of first-aid measures

#### General advice

<b>If inhaled</b>	Not expected to require first aid. If necessary, remove to fresh air.
<b>In case of skin contact</b>	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Results in drying and cracking which can lead to secondary infections and dermatitis.
<b>In case of eye contact</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. May cause irritation with burning and stinging with possible damage to the cornea and conjunctiva.
<b>If swallowed</b>	Dilute immediately with water or milk. Induce vomiting. Call a physician.

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

Flammable liquid. Primarily toxic by ingestion. If ingested, give large quantity of water and induce vomiting. Call a physician. Contact may cause dryness and cracking of the skin. May cause irritation to the eyes. Wash areas of contact with water. May cause irritation of the respiratory system. EYE CONTACT: May cause irritation with burning and stinging with possible damage to the cornea and conjunctiva. SKIN CONTACT: Results in drying and cracking which can lead to secondary infections and dermatitis.

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

Specific treatment (Wash areas of contact with water).

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

**Suitable extinguishing media**

In case of fire: Use dry chemical, foam or carbon dioxide to extinguish. Use dry chemical, alcohol foam, or carbon dioxide for extinguishing the surrounding fire. Use water as fog in flooding quantities. Water can be used to dilute spills to non-flammable mixtures.

**Unsuitable extinguishing media**

No information available.

**5.2 Specific hazards arising from the substance or mixture**

Flammable liquid and vapor. Vapors can flow along surfaces to distant ignition source and flashback. Use water spray to blanket fire, cool fire exposed containers, and to flush non-ignited spills or vapors away from fire. Explosion hazard when exposed to heat, flame or oxidizers.

**5.3 Special protective equipment and precautions for firefighters**

Wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

**5.4 Further information**

**Flash Point** 24°C

**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	2	0	N/A

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

Ground container and receiving equipment. Use explosion-proof equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wear protective gloves and eye protection.

**6.2 Environmental precautions**

No information available.

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

Remove all sources of ignition. Contain spill. Do not flush to sewer. Absorb with suitable inert material (vermiculite, dry sand, etc) and place in a chemical waste container for proper disposal in an approved waste disposal facility. Ventilate area of spill. Have extinguishing agent available in case of fire. Use non-sparking tools and equipment. 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

Store locked up. Protect from freezing and physical damage. Store in secure, flammable storage area away from all sources of ignition. Empty containers may be hazardous since they retain product residues.

### 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
Ethyl Alcohol (64-17-5)	TWA	1000 ppm
	TWA	1900 mg/m3
Methyl Alcohol (67-56-1)	TWA	200 ppm
	TWA	260 mg/m3

### US. ACGIH Threshold Limit Values

Component	Type	Value
Ethyl Alcohol (64-17-5)	TLV-STEL	1000 ppm
Methyl Alcohol (67-56-1)	TLV-STEL	250 ppm
	TLV-TWA	200 ppm

### US. NIOSH: Pocket Guide to Chemical Hazards

No information available

### Biological occupational exposure limits

No information available

## 8.2 Exposure controls

### Appropriate engineering controls

A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limit.

### Personal protective equipment

#### Eye/face protection

Wear protective gloves and eye protection. Safety glasses or goggles.

#### Skin protection

Wear protective gloves and eye protection. Chemical resistant gloves.

#### Body Protection

Wear protective gloves and eye protection.

#### Respiratory protection

Normal room ventilation is adequate. If the exposure limit is exceeded, a full facepiece respirator with organic vapor cartridge may be worn.

#### 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	Purple liquid
Odor	Data not available.
Odor Threshold	Data not available.
pH	Data not available.
Melting Point/Range	Data not available.
Boiling Point/Range	Approximately 82°C - Approximately 82°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	0.9
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.

## 9.2 Other safety information Data not available.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

See Section 10.2.

### 10.2 Chemical stability

Stable under normal conditions of use and storage.

### 10.3 Possibility of hazardous reactions

Data not available.

### 10.4 Conditions to avoid

Keep away from heat, sparks and open flame. No smoking. Keep container tightly closed.  
Avoid heat, sparks, open flame.

### 10.5 Incompatible materials

Oxidizers, platinum, Sodium, Potassium Dioxide, Bromine Pentafluoride, Acetyl Bromide, Acetyl Chloride

### 10.6 Hazardous decomposition products

Will not occur.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Product Information, Component Information

#### Acute toxicity

LD50, Oral, Rat: (Methanol) 5628 mg/kg, details of toxic effects not reported other than lethal dose value, (Ethanol) 7060 mg/kg, respiratory effects noted.

#### Skin corrosion/irritation

Not applicable.

**Serious eye damage/eye irritation**

Causes serious eye irritation. Wash arms, hands and face thoroughly after handling. 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. If eye irritation persists: Get medical attention.

**Respiratory or skin sensitization**

Not applicable.

**Germ cell mutagenicity**

May cause genetic defects. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves and eye protection. IF exposed or concerned: Get medical attention. Store locked up. Dispose of contents in accordance with local, state, federal and international regulations.

**Carcinogenicity**

May cause cancer. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves and eye protection. IF exposed or concerned: Get medical attention. Store locked up. Dispose of contents in accordance with local, state, federal and international regulations.

**Specific target organ toxicity - single exposure**

Causes damage to organs. Do not breathe fumes, mist, vapors, or spray. Wash arms, hands and face thoroughly after handling. Do not eat, drink or smoke when using this product. IF exposed: Call a POISON CENTER or physician. Specific treatment (Wash areas of contact with water). Store locked up. Dispose of contents in accordance with local, state, federal and international regulations.

**Specific target organ toxicity - repeated exposure**

Causes damage to organs through prolonged or repeated exposure. Do not breathe fumes, mist, vapors, or spray. Wash arms, hands and face thoroughly after handling. Do not eat, drink or smoke when using this product. Get medical attention if you feel unwell. Dispose of contents in accordance with local, state, federal and international regulations.

**Reproductive toxicity**

May damage fertility or the unborn child. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves and eye protection. IF exposed or concerned: Get medical attention. Store locked up. Dispose of contents in accordance with local, state, federal and international regulations.

**Chronic effects**

Data not available.

**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)**

UN Number	UN1987
Proper Shipping name	Alcohols, n.o.s. (Ethanol, Methanol)
Hazard Class	3
Packaging Group	III

## **IMDG**

UN Number	UN1987
Proper Shipping name	Alcohols, n.o.s. (Ethanol, Methanol)
Hazard Class	3
Packaging Group	III

## **IATA**

UN Number	UN1987
Proper Shipping name	Alcohols, n.o.s. (Ethanol, Methanol)
Hazard Class	3
Packaging Group	III

## SECTION 15: Regulatory information

### US federal regulations

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

Ethyl Alcohol (CAS # 64-17-5): Present

Methyl Alcohol (CAS # 67-56-1): Present

Methylene Blue Trihydrate (CAS # 7220-79-3): Present

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

#### **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**

Not listed.

#### **SARA 311/312 Hazardous**

Methyl Alcohol (CAS # 67-56-1): 5000 lb final RQ; 2270 kg final RQ

#### **SARA 313 (TRI reporting)**

Methyl Alcohol (CAS # 67-56-1): 1.0 % de minimis concentration

### **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**

Ethyl Alcohol (CAS # 64-17-5): Teratogen  
Methyl Alcohol (CAS # 67-56-1): Present

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

Ethyl Alcohol (CAS # 64-17-5): carcinogen; flammable - third degree; mutagen; teratogen  
Ethyl Alcohol (CAS # 64-17-5): sn 0844  
Methyl Alcohol (CAS # 67-56-1): flammable - third degree; teratogen  
Methyl Alcohol (CAS # 67-56-1): sn 1222  
Methyl Alcohol (CAS # 67-56-1): SN 1222 500 lb TPQ

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

Ethyl Alcohol (CAS # 64-17-5): Present  
Methyl Alcohol (CAS # 67-56-1): Environmental hazard  
Methyl Alcohol (CAS # 67-56-1): Present  
Water (CAS # 7732-18-5): Present

**California Proposition 65**

Ethyl Alcohol (CAS # 64-17-5): carcinogen, 4/29/2011 (in alcoholic beverages)  
Ethyl Alcohol (CAS # 64-17-5): carcinogen, 7/1/1988 (when associated with alcohol abuse)  
Ethyl Alcohol (CAS # 64-17-5): developmental toxicity, 10/1/1987 (in alcoholic beverages)  
Methyl Alcohol (CAS # 67-56-1): developmental toxicity, 3/16/2012

**SECTION 16: Other information**

Date of Issue: 12/22/2025

**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.