

## SAFETY DATA SHEET

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

#### 1.1 Product identifiers

Product name Mounting Medium

CAS number N/A

Synonyms N/A

#### 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 chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Flammable liquids (Category 2)

Skin Corrosion/Irritation (Category 2)

Serious eye damage (Category 2A)

Specific target organ toxicity (single exposure) Category 2

Target organs - CNS  
STOT - repeated exposure (Category 2)  
Aspiration Toxicity (Category 1)

## 2.2 GHS Label elements, including precautionary statements

Pictogram



Signal Word

Danger

Hazard statements

Highly flammable liquid and vapor  
May be fatal if swallowed and enters airways  
Causes skin irritation  
Causes serious eye irritation  
May cause drowsiness or dizziness  
Suspected of damaging the unborn child  
May cause damage to organs through prolonged or repeated exposure

Precautionary statements

Prevention:  
Obtain special instructions before use  
Do not handle until all safety precautions have been read and understood  
Use personal protective equipment as required  
Wash face, hands and any exposed skin thoroughly after handling  
Wear eye/face protection  
Do not breathe dust/fume/gas/mist/vapors/spray  
Use only outdoors or in a well-ventilated area  
Keep away from heat/sparks/open flames/hot surfaces. - No smoking  
Keep container tightly closed  
Ground/bond container and receiving equipment  
Use explosion-proof electrical/ventilating/lighting/equipment  
Use only non-sparking tools  
  
Take precautionary measures against static discharge  
Keep cool  
Response:  
IF exposed or concerned: Get medical attention/advice  
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable  
If skin irritation occurs: Get medical advice/attention  
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin  
Wash contaminated clothing before reuse  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses  
If eye irritation persists: Get medical advice/attention  
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician  
Do NOT induce vomiting  
In case of fire: Use CO<sub>2</sub>, dry chemical, or foam for extinction  
Store locked up  
Store in a well-ventilated place. Keep container tightly closed  
Dispose of contents/container to an approved waste disposal plant

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

Repeated exposure may cause skin dryness or cracking

Harmful to aquatic life

## SECTION 3: Composition/information on ingredients

### 3.1 Components

| Chemical name                 | Common name and synonyms | CAS number | Concentration |
|-------------------------------|--------------------------|------------|---------------|
| Toluene                       | -                        | 108-88-3   | 55%           |
| Polyterpene hydrocarbon resin | -                        | 6842-09-5  | 45%           |

## SECTION 4: First aid measures

### 4.1 Description of first-aid measures

#### General advice

**If inhaled** Move to fresh air. If breathing is difficult, give oxygen. Obtain medical attention.

**In case of skin contact** Wash off immediately with plenty of water for at least 15 minutes. Obtain medical attention.

**In case of eye contact** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention.

**If swallowed** Aspiration hazard. Do not induce vomiting. Call a physician or Poison Control Center immediately.

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

Breathing difficulties. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

**Suitable extinguishing media** Water spray, dry chemical, carbon dioxide (CO<sub>2</sub>), or foam. Do not use a solid water stream as it may scatter and spread fire. Cool closed containers exposed to fire with water spray.

**Unsuitable extinguishing media** Do not use a solid water stream as it may scatter and spread fire

## 5.2 Specific hazards arising from the substance or mixture

Keep product and empty container away from heat and sources of ignition. Runoff to sewer may create fire or explosion hazard. Do not allow run-off from fire fighting to enter drains or water courses. Vapors may travel to source of ignition and flash back. Vapors may accumulate in confined areas (basement, tanks, hopper/tank cars, etc.).

## 5.3 Special protective equipment and precautions for firefighters

Vapors are heavier than air and may spread along floors. Vapors may accumulate in confined areas. Thermal decomposition can lead to release of irritating gases and vapors.

## 5.4 Further information

**Flash Point** 4 °C

**Autoignition Temperature** 480 °C

### Explosion limits

**Upper** 7.10%

**Lower** 1.20%

**Sensitivity to Mechanical Impact** No information available

**Sensitivity to Static Discharge** No information available

### NFPA

| Health | Flammability | Instability | Physical hazards |
|--------|--------------|-------------|------------------|
| 2      | 3            | 0           | N/A              |

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition. Take precautionary measures against static discharges. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin, eyes and inhalation of vapors.

### 6.2 Environmental precautions

See Section 12 for additional ecological information. Prevent product from entering drains.

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

Remove all sources of ignition. Take precautionary measures against static discharges. Use spark-proof tools and explosion-proof equipment. Provide adequate ventilation. Prevent product from entering drains. Soak up with inert absorbent material. Keep in suitable, closed containers for disposal.

## 6.4 Reference to other sections

No information available

# SECTION 7: Handling and storage

## 7.1 Precautions for safe handling

Ensure adequate ventilation. Wear personal protective equipment. Keep away from open flames, hot surfaces and sources of ignition. Use spark-proof tools and explosion-proof equipment.

### Hygiene measures

Handle in accordance with good industrial hygiene and safety practice.

## 7.2 Conditions for safe storage, including any incompatibilities

### Storage conditions

Keep containers tightly closed in a dry, cool and well-ventilated place. Flammables area. Keep away from heat and sources of ignition.

### Incompatibilities

No information available.

# 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     |
|-----------|----------------|-----------|
| Toluene   | (Vacated) TWA  | 100 pm    |
|           | (Vacated) TWA  | 375 mg/m3 |
|           | Ceiling        | 300 ppm   |
|           | (Vacated) STEL | 150 ppm   |
|           | (Vacated) STEL | 560 mg/m3 |
|           | TWA            | 200 ppm   |

**US. ACGIH Threshold Limit Values**

| Component | Type | Value  |
|-----------|------|--------|
| Toluene   | TWA  | 20 ppm |

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

| Component | Type | Value     |
|-----------|------|-----------|
| Toluene   | IDLH | 500 ppm   |
|           | TWA  | 100 ppm   |
|           | TWA  | 375 mg/m3 |
|           | STEL | 150 ppm   |
|           | STEL | 560 mg/m3 |

**Biological occupational exposure limits**

No information available.

**8.2 Exposure controls****Appropriate engineering controls**

Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location.

**Personal protective equipment****Eye/face protection**

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

**Skin protection**

Wear appropriate protective gloves and clothing to prevent skin exposure.

**Body Protection**

Wear appropriate protective gloves and clothing to prevent skin exposure.

**Respiratory protection**

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

**Control of environmental exposure**

Handle in accordance with good industrial hygiene and safety practice.

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

|                |          |
|----------------|----------|
| Physical State | Liquid   |
| Appearance     | Yellow   |
| Odor           | Aromatic |

|                                           |                          |
|-------------------------------------------|--------------------------|
| Odor Threshold                            | No information available |
| pH                                        | No information available |
| Melting Point/Range                       | No information available |
| Boiling Point/Range                       | 111 °C                   |
| Evaporation Rate                          | 4 °C                     |
| Flammability (solid)                      | No information available |
| Flammability or explosive limit           | No information available |
| Upper                                     | 7.10%                    |
| Lower                                     | 1.20%                    |
| Vapor Pressure                            | No information available |
| Vapor Density                             | 3.1 (Air = 1.0)          |
| Density                                   | No information available |
| Solubility                                | Insoluble in water       |
| Partition coefficient;<br>n-octanol/water | No information available |
| Autoignition Temp                         | 480 °C                   |
| Decomposition Temp                        | No information available |
| Viscosity                                 | No information available |
| Molecular Formula                         | No information available |
| Molecular Weight                          | No information available |
| VOC Content(%)                            | No information available |
| Oxidizing properties                      | No information available |

**9.2 Other safety information** No information available

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Not a reactive hazard.

### 10.2 Chemical stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

None under normal processing

### 10.4 Conditions to avoid

Incompatible products

### 10.5 Incompatible materials

Strong oxidizing agents.

### 10.6 Hazardous decomposition products

Carbon oxides.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Product Information, Component Information

##### Acute toxicity

| Component | LD50 Oral         | LD50 Dermal          | LC50 Inhalation    |
|-----------|-------------------|----------------------|--------------------|
| Toluene   | >5000 mg/kg (Rat) | 12000 mg/kg (Rabbit) | 26700 ppm (Rat) 1h |

##### Skin corrosion/irritation

Irritating to eyes and skin

##### Serious eye damage/eye irritation

Irritating to eyes and skin

##### Respiratory or skin sensitization

No information available.

##### Germ cell mutagenicity

No information available.

##### Carcinogenicity

| Component                     | CAS        | IARC       | NTP        | ACGIH      | OSHA       | Mexico     |
|-------------------------------|------------|------------|------------|------------|------------|------------|
| Toluene                       | 108-88-3   | Not listed | Not listed | Not listed | Not listed | Not listed |
| Polyterpene hydrocarbon resin | 68249-09-5 | Not listed | Not listed | Not listed | Not listed | Not listed |

##### Specific target organ toxicity - single exposure

Central nervous system (CNS)

##### Specific target organ toxicity - repeated exposure

No information available.

##### Reproductive toxicity

Possible risk of harm to the unborn child.

##### Chronic effects

No information available.

### 11.2 Additional Information

No information available.



## SECTION 12: Ecological information

### 12.1 Toxicity

| Component | Freshwater algae                            | Freshwater Fish                                                                                         | Microtox                | Water Flea                                      |
|-----------|---------------------------------------------|---------------------------------------------------------------------------------------------------------|-------------------------|-------------------------------------------------|
| Toluene   | 12.5 mg/L EC50 = 72h<br>433 mg/L EC50 > 96h | 50-70 mg/L LC50 96h<br>5-7 mg/L LC50 96h<br>15-19 mg/L LC50 96h<br>28 mg/L LC50 96h<br>12 mg/L LC50 96h | EC50 = 19.7 mg/L 30 min | 11.5 mg/L EC50 = 48h<br>5.46-9.83 mg/L EC50 48h |

### 12.2 Persistence and degradability

No information available.

### 12.3 Bio accumulative potential

No information available.

### 12.4 Mobility in soil

No information available.

| Component | log Pow |
|-----------|---------|
| Toluene   | 2.65    |

### 12.5 Results of PBT and vPvB assessment

No information available.

### 12.6 Endocrine disrupting properties

No information available.

### 12.7 Other adverse effects

No information available.

## 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 local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

## SECTION 14: Transport information

### DOT (US)

UN Number UN1294  
Proper Shipping name TOLUENE SOLUTION  
Hazard Class 3

Packaging Group II

### **IMDG**

UN Number UN1294  
Proper Shipping name TOLUENE SOLUTION  
Hazard Class 3  
Packaging Group II

### **IATA**

UN Number UN1294  
Proper Shipping name TOLUENE SOLUTION  
Hazard Class 3  
Packaging Group II

## **SECTION 15: Regulatory information**

### **US federal regulations**

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**  
Not applicable.

**CERCLA Hazardous Substance List (40 CFR 302.4)**  
Not applicable.

**SARA 304 Emergency release notification**  
Not applicable.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)**  
Not applicable.

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

**SARA 302 Extremely hazardous substance**  
No information available.

**SARA 311/312 Hazardous**  
Acute Health Hazard.  
Chronic Health Hazard.  
Fire Hazard.

**SARA 313 (TRI reporting)**  
Listed. Toluene (108-88-3)

### **Other federal regulations**

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

Listed.

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

Not applicable

**Clean Water Act**

Listed. Toluene 108-88-5. 1000b. Toxic Pollutants.

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

Not listed/applicable.

**US state regulations**

**US. Massachusetts RTK - Substance List**

Listed.

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

Listed.

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

Listed.

**California Proposition 65**

Listed.

**SECTION 16: Other information**

Date of Issue: 4/1/2022  
Revision Date: 8/21/2026

**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.