

# SAFETY DATA SHEET

Preparation Date: 7/19/2016

Revision Date: 6/17/2020

Revision Number: 2

## 1. IDENTIFICATION

### Product identifier

**Product code:** MSL  
**Product Name:** Mineral Spirits, Lab Grade

### Other means of identification

**Synonyms:** Naphtha, solvent  
Solvent Naphtha  
White spirits  
**CAS #:** 8052-41-3  
**RTECS #** WJ8925000  
**CI#:** Not available

### Recommended use of the chemical and restrictions on use

**Recommended use:** As a diluent in paints, coatings and waxes; as a dry cleaning agent; as a degreaser and cleaner.  
**Uses advised against** No information available

**Supplier:** Lab Alley LLC  
22111 Highway 71 West, Suite 601  
Spicewood, Texas 78669  
512-668-9918

**Order Online At:** <https://www.laballey.com/products/varsol-solvent>

## 2. HAZARDS IDENTIFICATION

### Classification

This chemical is considered hazardous according to the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Considered a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A
Specific target organ toxicity (single exposure)	Category 3
Specific target organ toxicity (repeated exposure)	Category 2
Aspiration toxicity	Category 1
Flammable liquids	Category 3

### Label elements

#### Warning

**Hazard statements**  
Causes skin irritation

Causes serious eye irritation  
May cause damage to organs through prolonged or repeated exposure  
May be fatal if swallowed and enters airways  
May cause drowsiness or dizziness  
Flammable liquid and vapor



**Hazards not otherwise classified (HNOC)**

Not Applicable

**Other hazards**

Not available

**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling  
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  
Wear protective gloves  
Wear eye/face protection

**Precautionary Statements - Response**

*Get medical advice/attention if you feel unwell*

In case of fire: Use CO<sub>2</sub>, dry chemical, or foam to extinguish.

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 advice/attention.

If skin irritation occurs: Get medical advice/attention

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

Wash contaminated clothing before reuse

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

Do NOT induce vomiting

**Precautionary Statements - Storage**

Store locked up

Store in a well-ventilated place. Keep cool

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Components	CAS-No.	Weight %
Stoddard Solvent	8052-41-3	100

**4. FIRST AID MEASURES**

### **First aid measures**

<b>General Advice:</b>	National Capital Poison Center in the United States can provide assistance if you have a poison emergency and need to talk to a poison specialist. Call 1-800-222-1222. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. First aider needs to protect himself.
<b>Skin Contact:</b>	Wash off immediately with soap and plenty of water. Continue flushing with plenty of water for at least 15 minutes. Remove all contaminated clothes and shoes. Immediate medical attention is required. Call a physician immediately.
<b>Eye Contact:</b>	Flush eyes with water for 15 minutes. Immediate medical attention is required. Call a physician immediately.
<b>Inhalation:</b>	Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.
<b>Ingestion:</b>	Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Consult a physician if necessary.

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

<b>Symptoms</b>	Contact causes skin irritation. Causes serious eye irritation. Aspiration hazard if swallowed - can enter the lungs and cause damage. Aspiration into the lungs may cause chemical pneumonitis. Aspiration into the lungs may cause pulmonary edema. May affect behavior/central nervous system. May cause central nervous system effects. May cause drowsiness or dizziness. May cause nausea, headache, vomiting. Fatigue. May affect behavior/central nervous system (tremor, convulsions). Unconsciousness. Fainting. Somnolence. Ataxia. Lightheadedness. May affect the blood (normocytic anemia). It may affect the kidneys. It may affect the peripheral nervous system. Peripheral neuropathy. Repeated or prolonged exposure may cause dryness or cracking of the skin.
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### **Indication of any immediate medical attention and special treatment needed**

<b>Notes to Physician:</b>	Treat symptomatically.
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#### **Protection of first-aiders**

First-Aid Providers: Avoid exposure to blood or body fluids. Wear gloves and other necessary protective clothing. Dispose of contaminated clothing and equipment as bio-hazardous waste.

## **5. FIRE-FIGHTING MEASURES**

### **Extinguishing Media**

<b>Suitable Extinguishing Media:</b>	Carbon dioxide (CO <sub>2</sub> ). Dry chemical. Water spray mist or foam.
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<b>Unsuitable Extinguishing Media:</b>	Do not use a solid (straight) water stream as it may scatter and spread fire.
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### **Specific hazards arising from the chemical**

No information available

<b>Hazardous Combustion Products:</b>	Carbon monoxide; Carbon dioxide
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<b>Specific hazards:</b>	Flammable May be ignited by heat, sparks or flames Vapor may travel considerable distance to source of ignition and flash back Vapors may form explosive mixtures with air
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Most vapors are heavier than air. They will spread along the ground and collect in low or confined areas (sewers, basements, tanks)

Container explosion may occur under fire conditions or when heated

Fire may produce irritating, corrosive and/or toxic gases

### **Special Protective Actions for Firefighters**

#### **Specific Methods:**

Water mist may be used to cool closed containers. For larger fires, use water spray or fog. Cool containers with flooding quantities of water until well after fire is out.

#### **Special Protective Equipment for Firefighters:**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

## **6. ACCIDENTAL RELEASE MEASURES**

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

#### **Personal Precautions:**

Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid contact with skin, eyes and clothing. Use personal protective equipment. Remove all sources of ignition. Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use spark-proof tools and explosion-proof equipment. In case of large spill, water spray or vapor suppressing foam may be used to reduce vapors, but may not prevent ignition in closed spaces.

#### **Environmental precautions**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Prevent entry into waterways, sewers, basements or confined areas. In case of large spill, dike if needed. Dike far ahead of liquid spill for later disposal.

### **Methods and material for containment and cleaning up**

#### **Methods for containment**

Stop leak if you can do it without risk. Absorb spill with inert material (e.g. vermiculite, dry sand or earth). In case of large spill, dike if needed. Dike far ahead of liquid spill for later disposal.

#### **Methods for cleaning up**

Use appropriate tools to put the spilled material in a suitable chemical waste disposal container. Use clean non-sparking tools to collect absorbed material. Clean contaminated surface thoroughly.

## **7. HANDLING AND STORAGE**

### **Precautions for safe handling**

#### **Technical Measures/Precautions:**

Provide sufficient air exchange and/or exhaust in work rooms. Remove all sources of ignition. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Keep away from incompatible materials.

#### **Safe Handling Advice**

Wear personal protective equipment. Use only in well-ventilated areas. Avoid contact with skin, eyes and clothing. Keep away from heat and sources of ignition. Do not breathe vapors or spray mist. Do not ingest. When using do not smoke. Handle in accordance with good industrial hygiene and safety practice.

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

**Technical Measures/Storage Conditions:**

Keep containers tightly closed in a dry, cool and well-ventilated place. Store at room temperature in the original container. Keep away from heat and sources of ignition. Store in a segregated and approved area. Store away from incompatible materials.

**Incompatible Materials:**

Oxidizing agents. Acids.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Control parameters****National occupational exposure limits****United States**

Components	CAS-No.	OSHA	NIOSH	ACGIH	AIHA WHEEL
Stoddard Solvent	8052-41-3	500 ppm TWA 2900 mg/m <sup>3</sup> TWA	= 350 mg/m <sup>3</sup> TWA	= 100 ppm TWA	None

**Canada**

Components	CAS-No.	Alberta	British Columbia	Ontario	Quebec
Stoddard Solvent	8052-41-3	= 100 ppm TWA = 572 mg/m <sup>3</sup> TWA	= 290 mg/m <sup>3</sup> TWA	525 mg/m <sup>3</sup> TWA	100 ppm TWAEV 525 mg/m <sup>3</sup> TWAEV

**Australia and Mexico**

Components	CAS-No.	Australia	Mexico
Stoddard Solvent	8052-41-3	790 mg/m <sup>3</sup> TWA	= 100 ppm TWA = 523 mg/m <sup>3</sup> TWA

**Appropriate engineering controls****Engineering measures to reduce exposure:**

Ensure adequate ventilation. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors and mist below their respective threshold limit value.

**Individual protection measures, such as personal protective equipment****Personal Protective Equipment**

**Eye protection:** Goggles

**Skin and body protection:** Gloves. Long sleeved clothing. Chemical resistant apron.

**Respiratory protection:** Vapor respirator. Be sure to use an approved/certified respirator or equivalent.

**Hygiene measures:** Avoid contact with skin, eyes and clothing. When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Physical state:**

Liquid

**Appearance:**

Clear.

**Color:**

Colorless.

**Odor:**

Kerosene-like.

**Taste**

No information available.

**Formula:**

No information available

**Molecular/Formula weight:**

No information available

**Flammability:**

Flammable

**Flashpoint (°C/°F):**

38-60 °C/100.4-140 °F

<b>Flash Point Tested according to:</b> Closed cup	<b>Autoignition Temperature (°C/°F):</b> 230-316 °C/446-600 °F	<b>Lower Explosion Limit (%):</b> 0.8%
<b>Upper Explosion Limit (%):</b> 6%	<b>Melting point/range(°C/°F):</b> Freezing point = -70 °C/-94 °F	<b>Decomposition temperature(°C/°F):</b> No information available
<b>Boiling point/range(°C/°F):</b> 149-208 °C/300.2-406.4 °F	<b>Bulk density:</b> No information available	<b>Density (g/cm3):</b> No information available
<b>Specific gravity:</b> 0.75-0.85	<b>pH:</b> No information available	<b>Vapor pressure @ 20°C (kPa):</b> 0.4
<b>Evaporation rate:</b> No information available	<b>Vapor density:</b> 4.8	<b>VOC content (g/L):</b> No information available
<b>Odor threshold (ppm):</b> 1-30	<b>Partition coefficient (n-octanol/water):</b> log Kow = 3.16-7.06	<b>Viscosity:</b> No information available
<b>Miscibility:</b> Miscible with alcohol Miscible with Benzene Miscible with Ether Miscible with Chloroform Miscible with Carbon disulfide Miscible with Carbon tetrachloride	<b>Solubility:</b> Insoluble in water	

## 10. STABILITY AND REACTIVITY

### Reactivity

Reactive with oxidizing agents

### Chemical stability

**Stability:** Stable under recommended storage conditions.

**Possibility of Hazardous Reactions:** Hazardous polymerization does not occur

**Conditions to avoid:** Heat. Ignition sources. Incompatible materials.

**Incompatible Materials:** Oxidizing agents. Acids.

**Hazardous decomposition products:** Carbon monoxide.

### Other Information

**Corrosivity:** No information available

**Special Remarks on Corrosivity:** No information available

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

**Principal Routes of Exposure:**  
Ingestion. Inhalation. Skin. Eyes.

### Acute Toxicity

## Component Information

*Stoddard Solvent*

CAS-No. 8052-41-3

**LD50/oral/rat** = LD (Lethal Dose) = >5000 mg/kg

**LD50/oral/mouse** = No information available

**LD50/dermal/rabbit** = LD (Lethal Dose) = >3000 mg/kg

**LD50/dermal/rat** = No information available

**LC50/inhalation/rat** = LC (Lethal Concentration) = >5500 mg/m<sup>3</sup> 4hr.

**LC50/inhalation/mouse** = No information available

**Other LD50 or LC50 information** = No information available

## Product Information

**LD50/oral/rat** =

**VALUE- Acute Tox Oral** = No information available

**LD50/oral/mouse** =

**Value - Acute Tox Oral** = No information available

**LD50/dermal/rabbit**

**VALUE-Acute Tox Dermal** = No information available

**LD50/dermal/rat**

**VALUE -Acute Tox Dermal** = No information available

**LC50/inhalation/rat**

**VALUE-Vapor** = No information available

**VALUE-Gas** = No information available

**VALUE-Dust/Mist** = No information available

**LC50/Inhalation/mouse**

**VALUE-Vapor** = No information available

**VALUE - Gas** = No information available

**VALUE - Dust/Mist** = No information available

## Symptoms

**Skin Contact:**

Contact causes skin irritation. Moderate skin irritation.

**Eye Contact:**

Causes serious eye irritation. Moderately irritating to the eyes.

**Inhalation**

May cause irritation of respiratory tract. May affect behavior/central nervous system (somnolence). Inhalation of high concentrations may cause central nervous system effects characterized by headache, dizziness, lightheadness, fainting, unconsciousness, coma. May affect behavior/central nervous system (CNS depression, fatigue, irritability, memory loss, seizures, tremor, incoordination, coma). It may affect behavior/central nervous system (convulsions/seizures). May cause nausea, vomiting. Can cause lung irritation and coughing.

**Ingestion**

Aspiration hazard if swallowed. Aspiration into the lungs can cause chemical pneumonitis. Aspiration may lead to pulmonary edema. May affect behavior/central nervous system (somnolence).

**Aspiration hazard**

No information available.

## Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Chronic Toxicity**

Skin: Prolonged or repeated contact may cause defatting of skin with irritation, dryness, and cracking. Prolonged or repeated inhalation may affect the blood (normocytic anemia). Prolonged or repeated inhalation may affect the kidneys. Prolonged or repeated inhalation may affect the peripheral nervous system (weakness, peripheral neuropathy with paresthesia - a tingling, pricking, or numbness of the skin (known as the feeling of "pins and needles" generally of the hands and feet (extremities))).

**Sensitization:**

No information available.

**Mutagenic Effects:**

No information available

**Carcinogenic effects:**

Not considered carcinogenic. Not classifiable as to its carcinogenicity to humans.

Components	CAS-No.	IARC	ACGIH - Carcinogens	NTP	OSHA HCS - Carcinogens	Australia - Notifiable Carcinogenic Substances	Australia - Prohibited Carcinogenic Substances
Stoddard Solvent	8052-41-3	Group 3 - not classifiable (listed under petroleum solvents)	Not listed	Not listed	Not listed	Not listed	Not listed

ACGIH (American Conference of Governmental Industrial Hygienists)

IARC (International Agency for Research on Cancer)  
Group 3 - Not classifiable as to its carcinogenicity to humans  
NTP (National Toxicology Program)

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

**Reproductive toxicity**

No data is available

**Reproductive Effects:**

No information available

**Developmental Effects:**

No information available

**Teratogenic Effects:**

No information available

**Specific Target Organ Toxicity****STOT - single exposure**

central nervous system.

**STOT - repeated exposure**

May cause damage to organs through prolonged or repeated exposure. central nervous system. Peripheral Nervous System (PNS).

**Target Organs:**

Central nervous system. Peripheral nervous system. Blood.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity****Ecotoxicity effects:**

No data available.

**Persistence and degradability:**

No information available

**Bioaccumulative potential:**

No information available.

**Mobility:**

No information available.



### 13. DISPOSAL CONSIDERATIONS

#### Disposal Methods

##### Waste from residues / unused products:

Waste must be disposed of in accordance with Federal, State and Local regulation.

##### Contaminated packaging:

Empty containers should be taken for local recycling, recovery or waste disposal

Components	CAS-No.	RCRA - F Series Wastes	RCRA - K Series Wastes	RCRA - P Series Wastes	RCRA - U Series Wastes
Stoddard Solvent	8052-41-3	None	None	None	None

### 14. TRANSPORT INFORMATION

#### DOT

**UN-No:** UN1268  
**Proper Shipping Name:** Petroleum distillate, n.o.s. (Stoddard solvent)  
**Hazard Class:** 3  
**Subsidiary Risk:** No information available  
**Packing Group:** III  
**ERG No:** No information available  
**Marine Pollutant** No data available  
**DOT RQ (lbs):** No information available  
**Special Provisions** No Information available  
**Symbol(s):** No information available

#### TDG (Canada)

**UN-No:** UN1268  
**Proper Shipping Name:** Petroleum distillate, n.o.s. (Stoddard solvent)  
**Hazard Class:** 3  
**Subsidiary Risk:** No information available  
**Packing Group:** III  
**Marine Pollutant** No Information available

#### ADR

**UN-No:** UN1268  
**Proper Shipping Name:** Petroleum distillate, n.o.s. (Stoddard solvent)  
**Hazard Class:** 3  
**Packing Group:** III  
**Subsidiary Risk:** No information available

#### IMO / IMDG

**UN-No:** UN1268  
**Proper Shipping Name:** Petroleum distillate, n.o.s. (Stoddard solvent)  
**Hazard Class:** 3  
**Subsidiary Risk:** No information available  
**Packing Group:** III  
**Marine Pollutant** No information available

#### RID

**UN-No:** UN1268  
**Proper Shipping Name:** Petroleum distillate, n.o.s. (Stoddard solvent)  
**Hazard Class:** 3  
**Subsidiary Risk:** No information available  
**Packing Group:** III

**ICAO**

**UN-No:** UN1268  
**Proper Shipping Name:** Petroleum distillate, n.o.s. (Stoddard solvent)  
**Hazard Class:** 3  
**Subsidiary Risk:** No information available  
**Packing Group:** III

**IATA**

**UN-No:** UN1268  
**Proper Shipping Name:** Petroleum distillate, n.o.s. (Stoddard solvent)  
**Hazard Class:** 3  
**Subsidiary Risk:** No information available  
**Packing Group:** III  
**ERG Code:** No information available  
**Special Provisions** No information available

<b>15. REGULATORY INFORMATION</b>
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**International Inventories**

Components	CAS-No.	U.S. TSCA	KOREA KECL	Philippines (PICCS)	Japan ENCS	CHINA	Australia (AICS)	EINECS-No.
Stoddard Solvent	8052-41-3	Present	Present KE-32199	Present	Present (9)-1702	Present	Present	Present 232-489-3

**U.S. Regulations***Stoddard Solvent*

**Massachusetts RTK:** Present  
**New Jersey RTK Hazardous Substance List:** 1736  
**Pennsylvania RTK:** Present  
**Minnesota - Hazardous Substance List:** Present  
**California Directors List of Hazardous Substances:** Present

**California Prop. 65: Safe Drinking Water and Toxic Enforcement Act of 1986.****Chemicals Known to the State of California to Cause Cancer:**

This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

**Chemicals Known to the State of California to Cause Reproductive Toxicity:**

This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

Components	CAS-No.	Carcinogen	Developmental Toxicity	Male Reproductive Toxicity	Female Reproductive Toxicity:
Stoddard Solvent	8052-41-3	Not Listed	Not Listed	Not Listed	Not Listed

**CERCLA/SARA**

Components	CAS-No.	CERCLA - Hazardous Substances and their Reportable Quantities	Section 302 Extremely Hazardous Substances and TPQs	Section 302 Extremely Hazardous Substances and RQs	Section 313 - Chemical Category	Section 313 - Reporting de minimis
Stoddard Solvent	8052-41-3	None	None	None	None	None

**U.S. TSCA**

Components	CAS-No.	TSCA Section 5(a)2 - Chemicals With Significant New Use Rules (SNURS)	TSCA 8(d) -Health and Safety Reporting
Stoddard Solvent	8052-41-3	Not Applicable	Not Applicable

**Product code:** C8510**Product name:** Mineral Spirits, Lab Grade**10 / 12**

## Canada

### WHMIS hazard class:

B3 Combustible liquid

D2B Toxic materials

### Components

Stoddard Solvent

### WHMHAZ

B3 D2B

### Canada Controlled Products Regulation:

This product has been classified according to the hazard criteria of the CPR (Controlled Products Regulation) and the MSDS contains all of the information required by the CPR.

Components	WHMIS Ingredient Disclosure List -
Stoddard Solvent	1 %

### Inventory

Components	CAS-No.	Canada (DSL)	Canada (NDSL)
Stoddard Solvent	8052-41-3	Present	Not Listed

Components	CAS-No.	CEPA Schedule I - Toxic Substances
Stoddard Solvent	8052-41-3	Not listed
Components	CAS-No.	CEPA - 2010 Greenhouse Gases Subject to Mandatory Reporting
Stoddard Solvent	8052-41-3	Not listed

### EU Classification

#### R-phrases

R45 - May cause cancer.

R46 - May cause heritable genetic damage.

R65 - Harmful: may cause lung damage if swallowed.

#### S-phrases

S53 - Avoid exposure - obtain special instructions before use.

S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Components	CAS-No.	Classification	Concentration Limits:	Safety Phrases
Stoddard Solvent	8052-41-3	Carc.Cat.2; R45 Muta.Cat.2; R46 Xn; R65	10%≤C: T; R45-65 0.1%≤C<10%: T; R45	S53 S45

The product is classified in accordance with Annex VI to Directive 67/548/EEC

### Indication of danger:

Xn - Harmful.

Xn



## 16. OTHER INFORMATION

Preparation Date: 7/19/2016

Revision Date: 6/17/2020

Product code: C8510

Product name: Mineral Spirits, Lab Grade

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**Prepared by:**

Lab Alley

**Disclaimer:**

All chemicals may pose unknown hazards and should be used with caution. This Safety Data Sheet (SDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this SDS. The physical properties reported in this SDS are obtained from the literature and do not constitute product specifications. Information contained herein does not constitute a warranty, whether expressed or implied, as to the safety, merchantability or fitness of the goods for a particular purpose. Lab Alley LLC assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this SDS is based on technical data judged to be reliable, Lab Alley LLC assumes no responsibility for the completeness or accuracy of the information contained herein.

**End of Safety Data Sheet**