## Section 1. Product and Company Identification

**Product Name** Diallyl Tetrasulfide  
**Product ID** D3203  
**Chemical Name (Synonyms)** Allyl tetrasulfide  
**Supplier** LKT Laboratories, Inc  
545 Phalen Blvd.  
St. Paul, MN 55130 USA  
Ph: 651-644-8424 Fax: 651-644-8357  
www.lktlabs.com - getinfo@lktlabs.com  
**Emergency Phone #** 1-800-424-9300

## Section 2. Hazards Identification

**GHS Classification** Not yet classified. Caution - substance not yet fully tested.

### GHS Label elements including precautionary statements

**Pictogram**

**Signal word**

**Hazard and precautionary statements**

**Hazard statement** Not yet classified. Caution - substance not yet fully tested.  
**Precautionary statement** Not yet classified. Caution - substance not yet fully tested.

### HMIS Classification

Not classified.

### NFPA Rating

Not classified.

### Potential Health Effects

Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.  
Skin: May be harmful if absorbed through skin. May cause skin irritation.  
Eyes: May cause eye irritation.
Section 3. Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Substances</th>
<th>Ingredient: Title Compound</th>
<th>Percent: 100</th>
</tr>
</thead>
<tbody>
<tr>
<td>Formula</td>
<td>C₆H₁₀S₄</td>
<td>Formula Wt. 210.40</td>
</tr>
<tr>
<td>CAS No.</td>
<td>2444-49-7</td>
<td>EC No.</td>
</tr>
</tbody>
</table>

Section 4. First Aid Measures

General advice
Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

Eye Contact
Remove contact lenses. Flush with water for at least 15 minutes and seek medical attention immediately.

Skin Contact
Wash with soap and water for 15 minutes and seek medical attention immediately. Wash contaminated clothing before use.

Inhalation
Remove from exposure and provide respiration support if necessary. Seek medical attention.

Ingestion
Rinse mouth with water. Contact a physician or poison control immediately.

Section 5. Firefighting Measures

Flash Point
Not available.

Extinguishing Media
Water spray, alcohol-resistant foam, dry chemical powder or carbon dioxide.

Firefighting Procedures
Wear a self-contained breathing apparatus and clothing for firefighting if necessary.

Unusual Fire Hazards
May emit toxic fumes.

Section 6. Accidental Release Measures

Personal Precautions
Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

Environmental Precautions
Do not let product enter drains.

Methods and materials for containment and cleanup
Use appropriate tools to collect material and dispose of in waste container. Avoid raising dust. Ventilate the area and wash spill site after material has been removed.

Section 7. Handling and Storage

Handling
Wear gloves, goggles, and lab coat when handling this material. Use in a well ventilated area. Use only in a chemical fume hood. Wash thoroughly after handling material.

Storage Conditions
Store in a tightly sealed container. Recommended storage temperature: -80°C

Hazardous Decomposition Products
Not available.

Other Remarks
This product is synthetic and ships with blue Ice.
Section 8. Exposure Controls/Personal Protection

**Personal protective equipment**
Contains no substances with occupational exposure limit values.

**Respiratory Protection:** Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Hand Protection:** Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

**Eye Protection:** Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

**Skin and Body Protection:** Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

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

Section 9. Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Physical State</th>
<th>Color</th>
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</thead>
<tbody>
<tr>
<td>(Synthetic) Liquid.</td>
<td>Clear liquid.</td>
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</table>

<table>
<thead>
<tr>
<th>Physical State</th>
<th>Color</th>
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<table>
<thead>
<tr>
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<th>Volatility</th>
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<th>Flash Point</th>
<th>Ignition temperature</th>
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<th>Lower explosion limit</th>
<th>Autoignition temperature</th>
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</table>

<table>
<thead>
<tr>
<th>Upper explosion limit</th>
<th>Vapor pressure</th>
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</table>

<table>
<thead>
<tr>
<th>Partition coefficient: n-octanol/water</th>
<th>Odor Threshold</th>
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<table>
<thead>
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<th>Relative vapor density</th>
<th>Evaporation rate</th>
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</thead>
<tbody>
<tr>
<td>Not available</td>
<td>Not available</td>
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</tbody>
</table>

Section 10. Stability and Reactivity

**Stability**
Stable under proper storage conditions.

**Materials To Avoid**
Keep away from heat and strong oxidizing agents.

**Hazardous Decomposition Products**
Not available.
Section 11. Toxicological Information

**Oral LD50** Not available.  
**Inhalation LC50** Not available.  
**Dermal LD50** Not available.  
**Other information on acute toxicity** Not available.  
**Skin corrosion/irritation** Not available.  
**Serious eye damage/irritation** Not available.  
**Respiratory or skin sensitization** Not available.  
**Germ cell mutagenicity** Not available.  

**Reproductive Toxicity** Not available.  
**Aspiration Hazard** Not available.  

**Specific organ toxicity single exposure (GHS)** Not available.  
**Synergistic effects** Not available.  

**Specific organ toxicity repeated exposure (GHS)** Not available.  
**Additional Information** Not available.  

**Teratogenicity** Not available.  
**Signs and symptoms of exposure** Not available.  

**Potential Health Effects**  
Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.  
Skin: May be harmful if absorbed through skin. May cause skin irritation.  
Eyes: May cause eye irritation.  
Ingestion: May be harmful if swallowed.  

**Carcinogenicity**  
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC.  
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH  
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.  
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Section 12. Ecological Information

**Toxicity** Avoid release into the environment.  

**Mobility in soil** Not available.  

**PBT and vPvB assessment** PBT/vPvB assessment not available as chemical safety assessment not required/not
Persistence and degradability  Not available.

Other adverse effects  Not available.

Bioaccumulative potential  Not available.

Section 13. Disposal Considerations

Waste Disposal
Dispose of material according to all federal, state and local regulations.
Offer material to a licensed professional disposal company to dispose of as unused product.

Section 14. Transport Information

DOT (US)  Not dangerous goods.

IATA  Not dangerous goods.

IMDG  Not dangerous goods.

Further Information

Section 15. Regulatory Information

Reach No.

SARA 302 Components  SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title II, Section 302.

SARA 313 Components  SARA 313: 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.

SARA 311/312 Components  No SARA hazards.

Massachusetts Right To Know Components  No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components  Diallyl Tetrasulfide  CAS #: 2444-49-7  Revision Date:

New Jersey Right To Know Components  Diallyl Tetrasulfide  CAS #: 2444-49-7  Revision Date:

California Prop 65 Components  This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

Section 16. Other Information

The information in this document is believed to be correct but is not necessarily complete. LKT does not guarantee the accuracy of the information. The burden of verifying the information in this document rests solely upon the user.