Section 1. Product and Company Identification

Product Name: Triadimefon
Product ID: T6830
Chemical Name (Synonyms): BAY MEB 6447, Bayleton
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
Acute toxicity, Oral (Category 4) H302
Skin sensitization (Category 1) H317
Acute aquatic toxicity (Category 1) H400
Chronic aquatic toxicity (Category 1) H410

GHS Label elements including precautionary statements

Pictogram

Signal word: Warning

Hazard and precautionary statements

Hazard statements
H302 - Harmful if swallowed.
H317 - May cause an allergic skin reaction.
H400 + H410 - Acute aquatic toxicity. - Very toxic to aquatic life with long-lasting effects.

Precautionary statements
P261 - Avoid breathing dust, fumes, gas, mist, vapors, spray.
P264 - Wash skin thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P273 - Avoid release to the environment.
P280 - Wear protective gloves.
P301 + P312 + P330 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.
P302 + P352 - IF ON SKIN: Was with plenty of soap and water.
P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention.
P583 - Wash contaminated clothing before reuse.
P391 - Collect spillage.
P501 - Dispose of contents/container to an approved waste disposal plant.

HMIS Classification
Health hazard: 2
Chronic health hazard: *
Flammability: 0
Physical hazard: 0

NFPA Rating
Health hazard: 2
Fire hazard: 0
Reactivity hazard: 0

Potential Health Effects
Inhalation - May be harmful if inhaled. May cause respiratory tract irritation.
Skin - May be harmful if absorbed through skin. May cause an allergic skin reaction or 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>C_{14}H_{16}ClN_{3}O_{2}</td>
<td>293.75</td>
</tr>
<tr>
<td>CAS No.</td>
<td>43121-43-3</td>
<td>EC No. 256-103-8</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
Flush eyes with water as a precaution.

Skin Contact
Wash off with soap and plenty of water. Consult a physician.

Inhalation
If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Ingestion
Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Section 5. Firefighting Measures

Flash Point
Not available.

Extinguishing Media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

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

Unusual Fire Hazards
Carbon oxides, nitrogen oxides (NOx), hydrogen chloride gas.

Section 6. Accidental Release Measures

Personal Precautions
Use personal protective equipment. Avoid dust formation. Avoid breathing dust, vapors, mist, or gas. Ensure adequate ventilation.

Environmental Precautions
Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods and materials for containment and cleanup
Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

Section 7. Handling and Storage

Handling
Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs. Avoid contact with skin and eyes. Avoid formation of dust and aerosols.

Storage Conditions
Keep container tightly closed in a dry and well-ventilated place. Recommended storage temperature: Ambient

Hazardous Decomposition Products
Not available.

Other Remarks
Storage class (TRGS 510): Noncombustible solids.
### Section 8. Exposure Controls/Personal Protection

**Personal protective equipment**

**EXPOSURE CONTROLS**
- Contains no substances with occupational exposure limit values.
- Hazardous components without workplace control parameters.
- Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

**PERSONAL PROTECTION**
- **Eye/face 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 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.
- **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.
- **Respiratory protection:** For nuisance exposures, use type P95 (US) or type P1 (EU EN 143) respiratory cartridges. For higher level protection, use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

### Section 9. Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Physical State</strong></td>
<td>Solid.</td>
</tr>
<tr>
<td><strong>Color</strong></td>
<td>White to yellowish crystalline powder.</td>
</tr>
<tr>
<td><strong>Boiling Point</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Melting Point</strong></td>
<td>82°C</td>
</tr>
<tr>
<td><strong>Density</strong></td>
<td>1.283 g/cm³ at 21.5°C</td>
</tr>
<tr>
<td><strong>Solubility</strong></td>
<td>Soluble in water. Moderately soluble in most organic solvents</td>
</tr>
<tr>
<td><strong>pH</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Flash Point</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Autoignition temperature</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Lower explosion limit</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Upper explosion limit</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Water solubility</strong></td>
<td>Soluble in water.</td>
</tr>
<tr>
<td><strong>Partition coefficient: n-octanol/water</strong></td>
<td>log Pow: 3.1</td>
</tr>
<tr>
<td><strong>Relative vapor density</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Odor</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Odor Threshold</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Evaporation rate</strong></td>
<td>Not available.</td>
</tr>
</tbody>
</table>

### Section 10. Stability and Reactivity

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

**Materials To Avoid**
- Strong oxidizing agents.

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

Oral LD50  Rat - 363 mg/kg

Inhalation LC50  Not available.

Dermal LD50  Rat - > 5,000 mg/kg

Other information on acute toxicity  Not available.

Reproductive Toxicity  Rat - Oral
  Effects on Newborn: Behavioral.

Specific organ toxicity single exposure (GHS)  Not available.

Specific organ toxicity repeated exposure (GHS)  Not available.

Teratogenicity  Not available.

Skin corrosion/irritation  Skin - rabbit
  Result: No skin irritation.

Serious eye damage/irritation  Eyes - Rabbit
  Result: No eye irritation

Respiratory or skin sensitization  Not available.

Germ cell mutagenicity  Rat - Cytogenetic analysis
  Mouse - Other mutation test systems
  Rat - Micronucleus test

Aspiration Hazard  Not available.

Synergistic effects  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 an allergic skin reaction or skin irritation.
  Eyes - May cause eye irritation.
  Ingestion - Acute toxicity. - 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.
  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  Toxicity to fish - LC50 - Lepomis macrochirus (Bluegill) - 11 mg/l - 96 h
  Toxicity to daphnia and other aquatic invertebrates: EC50 - Daphnia magna (Water flea) - 1.2 - 2.1 mg/l - 48 h
  Toxicity to algae - EC50 - Dismodesmus subspicatus (green algae) - 0.7 - 1.7 mg/l - 96 h

Mobility in soil  Not available.

PBT and vPvB assessment  PBT/vPvB assessment not available as chemical safety assessment not required/not
Waste Disposal

Dispose of material according to all federal, state and local regulations.

Offer material to a licensed, professional waste disposal company to dispose of as unused product.

Persistence and degradability
Not available.

Bioaccumulative potential
Not available.

Other adverse effects
An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Very toxic to aquatic life with long lasting effects.

Section 13. Disposal Considerations

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

Section 14. Transport Information

DOT (US) Not dangerous goods.

IATA
UN number: 3077 Class: 9 Packing Group: III
Proper shipping name: Environmentally hazardous substance, solid, n.o.s. (Triadimefon)

IMDG
UN number: 3077 Class: 9 Packing Group: III EMS #: F-A, S-F
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Triadimefon)
Marine pollutant: Yes

Further Information
EHS - Mark required (ADR 2.2.9.1.10, IMDG code 2.10.3) for single packagings and combination packagings containing inner packagings with Dangerous Goods > 5L for liquids or > 5kg for solids.

Section 15. Regulatory Information

SARA 302 Components
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, 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
Acute health hazard, chronic health hazard.

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

Pennsylvania Right To Know Components
Triadimefon CAS #: 43121-43-3 Revision Date: 2007-07-01

New Jersey Right To Know Components
Triadimefon CAS #: 43121-43-3 Revision Date: 2007-07-01

California Prop 65 Components
WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.
Triadimefon CAS #: 43121-43-3 Revision Date: 1999-03-30

Section 16. Other Information

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.