Section 1. Product and Company Identification

Product Name: ATB 346
Product ID: A7604
Chemical Name (Synonyms):
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:
- Skin Corrosion/Irritation (Category 2) H315
- Skin Sensitization (Category 1) H317
- Serious Eye Damage/Eye Irritation (Category 1) H318
- Respiratory Sensitization (Category 1) H334
- Specific Target Organ Toxicity, Single Exposure - Respiratory H335
- Germ Cell Mutagenicity (Category 2) H341
- Toxic to Reproduction (Category 2) H361
- Specific Target Organ Toxicity, Single Exposure - (Category 1) H370
- Aquatic Toxicity, Chronic (Category 4) H413

GHS Label elements including precautionary statements

Pictogram

Signal word: Danger

Hazard and precautionary statements:
- H315 - Causes skin irritation.  H317 - May cause an allergic skin reaction.
- H318 - Causes serious eye damage.
- H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- H335 - May cause respiratory irritation.  H341 - Suspected of causing genetic defects.
- H361 - Suspected of damaging fertility or the unborn child.
- H370 - Causes damage to organs.
- H413 - May cause long lasting harmful effects to aquatic life.

Precautionary statements:
- P201 - Obtain special instructions before use.
- P252 - Do not handle until all safety precautions have been read and understood.
- P261 - Avoid breathing dust, fumes, gas, mist, vapors, spray.
- P264 - Wash hands thoroughly after handling.
- P270 - Do not eat, drink or smoke when using this product.
- P285 - In case of inadequate ventilation wear respiratory protection.
- P302 + P352 - IF ON SKIN: Wash with plenty of soap and water.
- P304 + P341 - IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P308 + P311 + P313 - IF exposed: Call a POISON CENTER or doctor/physician. Get medical advice/attention.
- P310 - Immediately call a POISON CENTER or doctor/physician.
- P321 - Specific treatment (see supplemental 1st aid instructions on this label).
- P332 + P313 - IF SKIN irritation occurs: Get medical advice/attention.
- P333 + P311 - IF SKIN irritation or rash occurs: Get medical advice/attention.
- P342 + P311 - IF experiencing respiratory symptoms: call a POISON CENTER or doctor/physician.
- P362 - Take off contaminated clothing and wash before reuse.
- P405 - Store locked up.
- 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 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_{21}H_{19}NO_{3}S</td>
<td>365.45</td>
</tr>
<tr>
<td>CAS No.</td>
<td>1226895-20-0</td>
<td></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 plenty of water for at least 15 minutes 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
Not available.

Section 6. Accidental Release Measures

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

Environmental Precautions
Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Take steps to avoid release into the environment, if safe to do so.

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. Contain spill and collect as appropriate.

Section 7. Handling and Storage

Handling
Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

Storage Conditions
Keep container tightly closed in a dry and well-ventilated place. Recommended storage temperature: -20˚C

Hazardous Decomposition Products
Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NOx).

Other Remarks
Section 8. Exposure Controls/Personal Protection

Personal protective equipment

EXPOSURE CONTROLS
Contains no substances with occupational exposure limit values.
General industrial hygiene practice.

PERSONAL PROTECTION

Eye/face protection: 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: Choose body protection in relation to its type, to the concentration and amount of dangerous substances and to the specific workplace. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Respiratory protection: Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. 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>Physical State</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solid.</td>
<td>Light yellow crystalline powder.</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>Volatility</td>
</tr>
<tr>
<td>Not available.</td>
<td>Not available.</td>
</tr>
<tr>
<td>Melting Point</td>
<td>Density</td>
</tr>
<tr>
<td>Not available.</td>
<td>Not available.</td>
</tr>
<tr>
<td>Solubility</td>
<td>pH</td>
</tr>
<tr>
<td>DMSO: ≥ 52 mg/mL</td>
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</tr>
<tr>
<td>Flash Point</td>
<td>Ignition temperature</td>
</tr>
<tr>
<td>Not available.</td>
<td>Not available.</td>
</tr>
<tr>
<td>Lower explosion limit</td>
<td>Autoignition temperature</td>
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<tr>
<td>Not available.</td>
<td>Not available.</td>
</tr>
<tr>
<td>Upper explosion limit</td>
<td>Vapor pressure</td>
</tr>
<tr>
<td>Not available.</td>
<td>Not available.</td>
</tr>
<tr>
<td>Water solubility</td>
<td>Odor</td>
</tr>
<tr>
<td>Not available.</td>
<td>Not available.</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>Odor Threshold</td>
</tr>
<tr>
<td>Not available.</td>
<td>Not available.</td>
</tr>
<tr>
<td>Relative vapor density</td>
<td>Evaporation rate</td>
</tr>
<tr>
<td>Not available.</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
Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NOx).
Section 11. Toxicological Information

Oral LD50  Not available.  
Inhalation LC50  Not available.  
Dermal LD50  Not available.  
Other information on acute toxicity  Not available.  
Reproductive Toxicity  Not available.  
Specific organ toxicity single exposure (GHS)  Not available.  
Specific organ toxicity repeated exposure (GHS)  Not available.  
Teratogenicity  Not available.  
Skin corrosion/irritation  Not available.  
Serious eye damage/irritation  Not available.  
Respiratory or skin sensitization  Not available.  
Germ cell mutagenicity  Not available.  
Aspiration Hazard  Not available.  
Synergistic effects  Not available.  
Additional Information  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  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 waste disposal company to dispose of as unused product.

Persistence and degradability: Not available.

Bioaccumulative potential: Not available.

Other adverse effects: Runoff from fire control or dilution water may cause pollution.

Section 14. Transport Information

- **DOT (US)**: Not dangerous goods.
- **IATA**: Not dangerous goods.
- **IMDG**: Not dangerous goods.

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**: No SARA hazards.
- **Massachusetts Right To Know Components**: No components are subject to the Massachusetts Right to Know Act.
- **Pennsylvania Right To Know Components**: ATB 346  CAS #: 1226895-20-0  Revision Date:
- **New Jersey Right To Know Components**: ATB 346  CAS #: 1226895-20-0  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

- **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.