Section 1. Product and Company Identification

Product Name: Climbazole
Product ID: C4510
Chemical Name (Synonyms): Baypival

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
- 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
- H302 - Harmful if swallowed.
- H410 - Very toxic to aquatic life with long lasting effects.

Precautionary statements
- P264 - Wash skin thoroughly after handling.
- P270 - Do not eat, drink or smoke when using this product.
- P273 - Avoid release to the environment.
- P301 + P312 + P330 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.
- 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: 0
- 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>
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</thead>
<tbody>
<tr>
<td>Formula</td>
<td>C_{15}H_{17}ClN_{2}O_{2}</td>
<td><strong>Formula Wt:</strong> 292.76</td>
</tr>
<tr>
<td>CAS No.</td>
<td>38083-17-9</td>
<td><strong>EC No.:</strong> 253-775-4</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
Avoid contact with skin and eyes. Avoid formation of dust and aerosols. 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. 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: Ambient

Hazardous Decomposition Products
Not available.

Other Remarks
Storage class (TRGS 510): Non combustible solids.

Ingestion - Acute toxicity. Harmful if swallowed.
Section 8. Exposure Controls/Personal Protection

**Personal protective equipment**

**EXPOSURE CONTROLS**
Contains no substances with occupational exposure limit values. 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: Safety glasses with side-shields conforming to EN 166. 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) particle respirator. 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

**Physical State**
Solid.

**Color**
White crystal powder.

**Boiling Point**
265˚C

**Melting Point**
98-99˚C

**Solubility**
Not available.

**Flash Point**
Not available.

**Lower explosion limit**
Not available.

**Upper explosion limit**
Not available.

**Water solubility**
Not available.

**Partition coefficient: n-octanol/water**
log Pow: 3.83 at 25˚C

**Relative vapor density**
Not available.

**Odor**
Not available.

**Evaporation rate**
Not available.

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 - male and female - 400 mg/kg

**Skin corrosion/irritation**  Skin - In vitro study  Result: No skin irritation  (EPISKIN Human Skin Model Test)

**Inhalation LC50**  Not available.

**Serious eye damage/irritation**  Eyes - In vitro study  Result: No eye irritation  (OECD Test Guideline 437)

**Dermal LD50**  Rat - > 5,000 mg/kg

**Respiratory or skin sensitization**  Buehler Test: Guinea pig  Result: Did not cause sensitization on laboratory animals.

**Germ cell mutagenicity**  Ames test, Salmonella typhimurium.  Result: Negative  OECD Test Guideline 474, Mouse - male,  Result: negative

**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.

**Reproductive Toxicity**  Not available.

**Specific organ toxicity**

- **single exposure (GHS)**  Not available.
- **repeated exposure (GHS)**  Not available.

**Synergistic effects**  Not available.

**Teratogenicity**  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 - Acute toxicity.  Harmful if swallowed.

**Additional Information**  Repeated dose: Rat-male and female - oral - NOAEL: 45mg/kg - OECD Test Guideline 408 toxicity.  RTECS: EL7085000

Section 12. Ecological Information

**Toxicity**  Toxicity to algae - Growth inhibition EC50 - Desmodesmus subspicatus (green algae) - 300µg/l - 72 h (OECD Test Guideline 201)

**Mobility in soil**  Not available.

**PBT and vPvB assessment**  PBT/vPvB assessment not available as chemical safety assessment not required/not
**Persistence and degradability**
Biodegradability - aerobic - Exposure time 28 d
Result: 49% - Not readily biodegradable.
(OECD Test Guideline 302)

**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.

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**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. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

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**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. (Climbazole)

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

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**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

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

**Pennsylvania Right To Know Components**
Climbazole CAS #: 38083-17-9 Revision Date:

**New Jersey Right To Know Components**
Climbazole CAS #: 38083-17-9 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.

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**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.