Safety Data Sheet

Section 1. Product and Company Identification

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Neosolaniol</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product ID</td>
<td>N1858</td>
</tr>
<tr>
<td>Chemical Name (Synonyms)</td>
<td>8-Hydroxydiacetoxyscirpenol Trichothece-9-ene-3-alpha,4-beta,8-alpha,15-tetrol, 12,13-epoxy-, 4,15-diacetate</td>
</tr>
<tr>
<td>Supplier</td>
<td>LKT Laboratories, Inc</td>
</tr>
<tr>
<td></td>
<td>545 Phalen Blvd.</td>
</tr>
<tr>
<td></td>
<td>St. Paul, MN 55130 USA</td>
</tr>
<tr>
<td>Emergency Phone #</td>
<td>1-800-424-9300</td>
</tr>
</tbody>
</table>

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

Section 2. Hazards Identification

GHS Classification
Acute toxicity, Inhalation (Category 1), H330
Acute toxicity, Oral (Category 2), H300
Acute toxicity, Skin (Category 2), H310

GHS Label elements including precautionary statements

Pictogram
Signal word Danger
Hazard and precautionary statements
Hazard statement
H300 - Fatal if swallowed.
H310 - Fatal in contact with skin.
H330 - Fatal if inhaled.

Precautionary statement
P260 - Do not breathe (dust/fume/gas/mist/vapors/spray).
P262 - Do not get in eyes, on skin, or on clothing.
P264 - Wash (hands) thoroughly after handling.
P280 - Wear (protective gloves/protective clothing/eye protection/face protection).
P284 - Wear respiratory protection.
P301+310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P302+352 - IF ON SKIN: Wash with plenty of soap and water.
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P310 - Immediately call a POISON CENTER or doctor/physician.
P320 - Specific treatment is urgent (see ... on this label).
P330 - Rinse mouth.
P361+364 - Take off immediately all contaminated clothing and wash it before reuse.

HMIS Classification
Health hazard: 3
Chronic health hazard: 0
Flammability: 0
Physical hazard: 0

NFPA Rating
Health hazard: 3
Fire hazard: 0
Physical hazard: 0

Potential Health Effects
Inhalation - Fatal if inhaled.
Skin - Fatal if absorbed through skin.
Eyes - Causes eye irritation.
Ingestion - Fatal if swallowed.

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>C₁₉H₂₆O₈</td>
<td>382.40</td>
</tr>
<tr>
<td>CAS No.</td>
<td>36519-25-2</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 water as a precaution.

Skin Contact
Wash off with soap and plenty of water.

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 fire fighting if necessary.

Unusual Fire Hazards
Carbon oxides, nitrogen oxides (NOx).

Section 6. Accidental Release Measures

Personal Precautions
Wear respiratory protection. Avoid dust formation. Avoid breathing 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.

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. 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: +4°C

Hazardous Decomposition Products
Not available.

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.
Skin 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

Physical State: Solid.
Boiling Point: Not available.
Melting Point: 176-178°C
Solubility: Soluble in DMSO (10 mg/mL), methanol (10 mg/mL).
Color: Slightly yellow.

Physical State
Boiling Point
Melting Point
Volatility
Density
Solubility
Flash Point
Lower explosion limit
Upper explosion limit
Water solubility
Partition coefficient: n-octanol/water
Relative vapor density
Color
Ignition temperature
Autoignition temperature
Vapor pressure
Odor
Not available.
Not available.
Not available.
Not available.
Not available.
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

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral LD50</td>
<td>Not available.</td>
</tr>
<tr>
<td>Inhalation LC50</td>
<td>Not available.</td>
</tr>
<tr>
<td>Dermal LD50</td>
<td>Not available.</td>
</tr>
<tr>
<td>Other information on acute toxicity</td>
<td>Not available.</td>
</tr>
<tr>
<td>Reproductive Toxicity</td>
<td>Not available.</td>
</tr>
<tr>
<td>Specific organ toxicity single exposure (GHS)</td>
<td>Not available.</td>
</tr>
<tr>
<td>Specific organ toxicity repeated exposure (GHS)</td>
<td>Not available.</td>
</tr>
<tr>
<td>Teratogenicity</td>
<td>Not available.</td>
</tr>
<tr>
<td>Potential Health Effects</td>
<td>Inhalation - Fatal if inhaled.</td>
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<td></td>
<td>Skin - Fatal if absorbed through skin.</td>
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<td>Eyes - Causes eye irritation.</td>
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<td></td>
<td>Ingestion - Fatal if swallowed.</td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
<td>Not available.</td>
</tr>
<tr>
<td>Aspiration Hazard</td>
<td>Not available.</td>
</tr>
<tr>
<td>Synergistic effects</td>
<td>Not available.</td>
</tr>
<tr>
<td>Additional Information</td>
<td>RTECS: YD0080000</td>
</tr>
<tr>
<td></td>
<td>The toxicological effects of this product have not been thoroughly studied.</td>
</tr>
</tbody>
</table>

## Section 12. Ecological Information

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toxicity</td>
<td>Not available.</td>
</tr>
<tr>
<td>Mobility in soil</td>
<td>Not available.</td>
</tr>
<tr>
<td>PBT and vPvB assessment</td>
<td>PBT/vPvB assessment not available as chemical safety assessment not required/not</td>
</tr>
</tbody>
</table>
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)**

UN number: 2811  Class: 6.1  Packing Group: I
Proper shipping name: Toxic solid, organic, n.o.s. (Neosolaniol)
Marine pollutant: No  Poison Inhalation Hazard: No

**IATA**

UN number: 2811  Class: 6.1  Packing Group: I
Proper shipping name: Toxic solid, organic, n.o.s. (Neosolaniol)

**IMDG**

UN number: 2811  Class: 6.1  Packing Group: I
Proper shipping name: TOXIC SOLID, ORGANIC, N.O.S. (Neosolaniol)
Marine Pollutant: No

Further Information

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**

Neosolaniol  CAS: 36519-25-2

**New Jersey Right To Know Components**

Neosolaniol  CAS: 36519-25-2

**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.