

**MATERIAL SAFETY DATA SHEET**  
**ARTEMISIA ABSINTHUM OIL**

**1. PRODUCT NAME AND COMPANY IDENTIFICATION**

Common Name: Grand Wormwood Oil  
Product Use: Personal Care Formulations  
Company Name: Phytos Natur CZ s.r.o.  
Company Address: Okrouhelská 258, 252 45 Oleško  
Telephone: +420777753743, +420777753774  
Email: phytos@phytos.cz

**2. COMPOSITION, INFORMATION ON INGREDIENTS**

Ingredients: 100% oil extract of Artemisia absinthum  
Hazardous Components: None  
CAS #: 8023-85-6

**3. HAZARDS IDENTIFICATION**

This product is intended for use as a pesticide to control fungi, insects, and mites on ornamental plants. This product should pose no health concerns through normal use.

Eye Contact: May cause mild eye irritation.  
Skin Contact: May cause mild skin irritation on prolonged contact.  
Ingestion: May be harmful if swallowed in large quantities.  
Inhalation: Overexposure may cause respiratory tract irritation.

**4. FIRST AID MEASURES**

Eyes: Flush immediately with water for at least 15-minute contact physician if symptoms persist.  
Skin: Remove contaminated clothes. Wash thoroughly with soap and water.  
Contact physician if irritation persists.  
Ingestion: Rinse mouth with water and obtain medical attention if irritation persists.  
Inhalation: Remove from exposure site to fresh air, keep at rest, and obtain medical attention.

**5. FIREFIGHTING MEASURES**

Flash Point: >200  
Extinguishing Media: Carbon dioxide, dry chemical, foam. Do not use a direct water-jet on burning material.  
Protection of fire fighters: Avoid breathing vapor or smoke. Wear positive pressure self-contained breathing apparatus & protective clothing.

**6. ACCIDENTAL RELEASE MEASURES**

Personal precautions: Avoid inhalation and contact with skin and eyes. A self-contained breathing apparatus is recommended in case of a major spillage.  
Environmental precautions: Keep away from drains, surface and underground waters and soil.  
Method for cleaning-up: Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapors. Absorb onto an inert, absorbent substrate and sweep up. Wash area with soap and water.

**7. HANDLING AND STORAGE**

Handling: Keep away from strong oxidizing agents, sources of ignition and open flames. Apply according to good manufacturing and industrial hygiene practices with proper ventilation. Do not drink, eat or smoke while handling.

Storage: Respect good personal hygiene.  
Store in a cool, dry and ventilated area away from heat sources and protected from light in tightly closed original containers.  
Avoid plastic and uncoated metal containers. Keep air contact to a minimum.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory protection: Not needed under normal conditions of use.  
Avoid excessive inhalation of concentrated vapors.  
Provide local ventilation if necessary.

Eye protection: Use of safety glasses is recommended.

Skin protection: Use chemically resistant gloves.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Slightly viscous Liquid

Appearance: Clear yellow to brown colored liquid

Odor: Fresh, camphorous aroma with green, bitter sweet undertones

Solubility in Alcohol: Soluble

Solubility in water: Insoluble

Flash Point: 250°F

Refractive Index: 1.508- 1.520

#### 10. STABILITY AND REACTIVITY

Chemical Stability: Stable

Conditions to avoid: None

Incompatibilities with other Materials: Strong Oxidizing Agent & Strong Acids and alkalis

Hazardous Decomposition Products: None (thermal decomposition products are H<sub>2</sub>O and CO<sub>2</sub>) Hazardous

Polymerization: Will not occur

#### 11. TOXICOLOGICAL INFORMATION

This preparation is toxic when swallowed.

#### 12. ECOLOGICAL INFORMATION

Avoid spillage in environment: If spilt follow clear up procedures in line with Government environmental legislation – call emergency services if large spillage.

Prevent surface contamination of: Soil, ground & surface water.

Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

#### 13. DISPOSAL CONSIDERATIONS

Any disposal practice must be in compliance with local, state and federal laws and regulations (contact local or state environmental agency for specific rules). Do not dump into sewers, any body of water or onto the ground.

#### 14. TRANSPORT INFORMATION

Road (ADR/RID): not regulated

Air (ICAO/IATA): not regulated

Sea (IMDG): not regulated

#### 15. REGULATORY INFORMATION

Not classified as Dangerous for Supply/Use

Not classified as Dangerous for the Environment

#### 16. ADDITIONAL INFORMATION

The information contained herein is based on the present state of our knowledge. It characterizes the product with regards to the appropriate safety precaution.