



Material Safety Data Sheet

1. PRODUCT NAME AND COMPANY IDENTIFICATION

Product Name	Verbena Essential Oil
Product Use	Natural Grade
Company Name	Phytos Natur CZ s.r.o.
Company Address	Okrouhelská 258, 252 45 Oleško
Date Issued	01/19

2. COMPOSITION/INGREDIENT INFORMATION

3.

Essential Oil	100 % by weight
Hazardous Components	Essential Oil and derivatives
CAS #	8024-12-2
Batch No.	0119-249-AI-VEEO

4. HAZARDS IDENTIFICATION

Emergency Overview

<u>Identified Hazards</u>	Non-Hazardous
<u>Medical Information</u>	Please refer Section 4 below
Routes of Entry/Exposure	Eyes, Skin, Ingestion, Inhalation.

Potential Health Effects

Eye Contact	Moderate irritation may occur.
Skin Contact	Irritation may occur with prolonged or repeated exposure.
Ingestion	Hazardous in case of ingestion. May cause renal effects.
Inhalation	Excessive vapors may cause irritation in throat and lungs.

5. FIRST AID MEASURES

Medical conditions generally aggravated by exposure.

Eyes	Remove lenses if applicable. Flush with plenty of water or eye wash solution for 15 minutes holding lids apart. Get medical attention if irritation persists. Remove contaminated clothing. Thoroughly wash the affected area(s) and parts of the body with medicated soap and water. Flush with large quantities of water.
Skin	Cover with emollient or pure vegetable oil. Seek medical attention if irritation persists.

Ingestion	Seek medical attention or contact local poison control center immediately. Administer water or milk to dilute if advised by medical expert. Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Remove to fresh air. Seek medical attention if necessary.
Inhalation	Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

6. FIRE FIGHTING MEASURES

Flash Point	73.88 C
Auto-ignition Temperature	No data available.
Flammability limits in Air transit	None identified.
Extinguishing Media	Carbon Dioxide or Alcohol-resistant foam based
Fire Fighting Procedures	Self-containing breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals. Shutoff all ignition sources. Move contain from fire area if you can do it without risk. Apply cooling water to sides of containers that are exposed to flames until well after fire is out. Use flooding amounts of water as fog. Cool product containers with flooding amounts of water from as far a distance as possible. Avoid breathing vapors keep upwind. As with any containerized or pressurized chemical, in the event of overheating or direct flame contact, evacuate the area to minimize hazard of potential explosion.
Unusual Fire Hazards	Not expected
Hazardous Decomposition Products	Carbon oxides and traces of incompletely burnt carbon oxides and traces of incompletely burnt carbon.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Avoid contact with eyes.
Protective Equipment	Refer to section 8.
Emergency Procedure	Avoid uncontrolled releases of this material. Where spills are possible, a comprehensive spill response plan should be developed and implemented.

7. HANDLING AND STORAGE

Handling: Apply good manufacturing practice & industrial hygiene practices, ensuring proper workplace ventilation. Observe good personal hygiene, and do not eat, drink or smoke whilst handling. Avoid eye contact and prolonged skin contact.

Storage: Keep container closed and away from heat and flame sources. Since emptied containers

retain product residues, all hazard precautions given in this MSDS must be observed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls Eyewash Stations; Ventilation Systems; Showers

Personal Protection

Eyes	Use proper protection.
Skin	Rubber gloves are not required during handling, but recommended. To Prevent prolonged skin contact wear impervious clothing and boots during handling of spills.
Inhalation	Respirator is advised in the absence of proper ventilation.

9. PHYSICAL AND CHEMICAL PROPERTIES

Color and Appearance	Pale yellow to amber liquid
Odor	Characteristic
Refractive Index	1.4805
Flash Point	73.88 C
Specific Gravity	0.860

10. STABILITY AND

REACTIVITY Conditions to Avoid

Stability	Stable under normal conditions of use. Keep away from sources of ignition, flame and heat. Avoid hot work and sources of ignition on or near empty containers.
Incompatibility (Materials to Avoid)	Strong oxidizing agents.
Byproducts	Compounds may be formed during combustion.
Hazardous Polymerization	Will Not Occur

11. TOXICOLOGICAL INFORMATION

<u>Acute Toxicity</u> Product information	This product is safe for its intended use based on formulation; bulk, finished product, and stability testing results; and a long history of safe consumer use.
<u>Chronic Toxicity</u> Chronic Toxicity Target Organ Effects	No specific information is available. No specific information is available.

12. ECOLOGICAL INFORMATION

Biodegradability	Not determined
Aquatic Toxicity	Non-toxic

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods	Disposal should be in accordance with all applicable Local, State and Federal regulations. Precautions to be taken in handling and storage. Do not discharge into waterways or sewer systems without proper or Local authorization.
Container Disposal	Dispose in a licensed facility. Additionally, disposal should be in accordance with all applicable Local, State and Federal regulations. Precautions to be taken in handling and storage. Pressurized container. Do not puncture or incinerate. Store in cool, dry area away from the sunlight.
Other	When product is properly discharged in low concentrations to biological wastewater treatment plants it should not cause any disturbances in the degradation activity of the activated sludge.

14. TRANSPORT INFORMATION

Road and Rail Transport	Not classified as Dangerous Goods for transport Road and Rail. NON-DANGEROUS GOODS
Marine Transport	Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IM DG) for transport by sea; (NON-DANGEROUS GOODS)
Air Transport	Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

15. REGULATORY INFORMATION

TSCA	Exempt from TSCA chemical inventory listing requirement.
DSL/NDSL	Exempt from DSL/NDSL chemical inventory listing requirements.
EU Classification	Non-dangerous