



MATERIAL SAFETY DATA SHEET
JUNIPER BERRY ESSENTIAL OIL

MSDS

1. PRODUCT NAME AND COMPANY IDENTIFICATION

Product Name: JUNIPER BERRY ESSENTIAL OIL - ORGANIC AND CONVENTIONAL
Product Use: Personal Care Formulations
Company Name: Saffire Blue Inc.
Company Address: 1444 Bell Mill Road, Tillsonburg, ON N4G4G9 Canada
Date Issued: 04/12/2010
Emergency Telephone Number: Chemtrec Tel: (800) 262-8200

2. COMPOSITION/INGREDIENT INFORMATION

Ingredients:
Steam Distilled Oil Of Juniperus communis 100%
Hazardous Components: None
CAS #: 8002-68-4
FEMA #: 2604

3. HAZARDS IDENTIFICATION

Routes of Entry
Eye Contact: Irritation may occur
Skin Contact: May cause irritation to lungs and throat upon prolonged exposure
Inhalation: Inhalation may cause irritation and anesthetic effect
Ingestion: Hazard not known

4. FIRST AID MEASURES

Eyes: Flush with plenty of water or eye wash solution for 15 minutes. Get medical attention if irritation persists.
Skin: Remove contaminated clothing. Wash with soap and flush with plenty of water. Seek medical attention if irritation persists.
Ingestion: Administer water or milk to dilute. Seek medical attention immediately or call a poison control center.
Inhalation: Avoid gross inhalation of fumes. Remove to fresh air and seek medical attention if needed.

5. FIRE FIGHTING MEASURES

Flash Point (Method Used): >41°C Closed Cup
Extinguishing Media: Dry Chemical, Carbon Dioxide, Foam

Special Firefighting Procedures: Fire fighters should wear positive pressure self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes. Cool containers exposed to flame with water. Spray extinguishing media directly into base of fire.

Unusual Fire & Explosion Hazards: Not established

Hazardous Decomposition Materials: None

6. ACCIDENTAL RELEASE MEASURES (STEPS FOR SPILLS)

Personal Protection: Avoid ingestion
Follow good industrial practice as to housekeeping, personal hygiene and avoidance of prolonged or repeated contact with the skin or eyes.
Wear eye protection, chemical resistant gloves and aprons.
Ventilate area well.
NIOSH approved respiratory device may be used.
Eliminate all sources of ignition
Ventilate area

Methods for Cleaning Up: Prevent liquid from entering sewers
Small spills can be wiped up with paper rags (place in closed metal waste container)
Large spills can be absorbed onto non-flammable absorbent.
Wash area with soap and water.

7. HANDLING AND STORAGE

Handling

Safe Handling: Avoid ingestion
Follow good industrial practice as to housekeeping, personal hygiene and avoidance of prolonged or repeated contact with the skin or eyes.
Wear eye protection, chemical resistant gloves and aprons.
Ventilate area well.
NIOSH approved respiratory device may be used.

Storage

Requirements for Storage Areas and Containers: Store in an area that is cool, dry, and well-ventilated. Store away from light.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Threshold Limit Value: Not established

OSHA Permissible Limit: Not established

Engineering Controls: Eye wash station and safety showers are recommended near the work area.
Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material:

Work Practice Controls: (1) Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored.
(2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet.
(3) Wash exposed skin promptly to remove accidental splashes or contact with this material.

Respiratory: Avoid casual breathing of vapors. NIOSH approved respiratory device may be used.

Ventilation: Local, mechanical exhaust is recommended
Eye: OSHA approved safety glasses
Skin: Wear chemical resistant gloves and clothing to avoid skin contact

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid, Oil
Color: Clear pale yellow to yellow green
Odor: Characteristic of juniper, herby, spicy, warm
Vapor Pressure (mm Hg.): Not available
Flash Point: >41 °C Tag Closed Cup
Boiling Point: Not available
Melting Point: Not available
Specific Gravity (@20°C): 0.8500-0.8790
Refractive Index @ 20 °C: 1.4600-1.4800
Solubility in Water: Insoluble

10. STABILITY AND REACTIVITY

Stability: This material is stable under normal conditions
Reactivity: Material does not react with water.
Incompatibility (Materials to Avoid): Avoid contact with strong oxidizing agents and avoid hot work and sources of ignition on or near empty containers.
Conditions to Avoid: Avoid contact with sparks, flame and heat.
Hazardous Decomposition or Byproducts: None
Hazardous Polymerization: Will Not Occur

11. TOXICOLOGICAL INFORMATION

CAUTION: Liquid may be irritating to eyes and skin.
ACGIH TLV: None established
OSHA PEL: None established
Carcinogenicity: NTP Monograph: None established
IARC Monograph: None established
Oral LD50: None established
Acute Toxicity Data: Dermal LD50: None established
Inhalation LC50: None established
Ingestion of large quantities: None established
Inhalation: Vapor may be irritating to lungs and throat.
Prolonged inhalation may cause anesthetic effects.
Skin Contact: Liquid may be irritating
Eye Contact: Liquid may be irritating
Health Hazards (Acute & Chronic):
Note: The above effects are based on evaluation of individual components, the relevancy to the mixture as a whole or to humans is unknown. Handling of this fragrance that results in inhalation of fumes, may cause severe adverse health effects.

12. ECOLOGICAL INFORMATION

No information

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods: Dispose of according to local, state and federal regulations.

14. TRANSPORT INFORMATION

Proper Shipping Name: Extract, Aromatic Liquids

UN #: 1169

Packaging Group: III

ERG#: 128

Air/Steamer Transport: Class: 3

Required Labels: Flammable Liquid

HMIS: Health: 1 Flammability: 2 Reactivity: 0 Personal Protection: B

15. REGULATORY INFORMATION

R Phrases: (10) 65

S Phrases: 24/25, 36, 62

16. ADDITIONAL INFORMATION

This information is provided for documentation purposes only.

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This safety sheet cannot cover all possible situations which the user may experience during processing. Each aspect of your operation should be examined to determine if, or where, additional precautions may be necessary. All health and safety information contained in this bulletin should be provided to your employees or customers.