



SAFETY DATA SHEET

01. IDENTIFICATION

NAME OF PREPARATION OR SUBSTANCE: Rosemary Oil
SUPPLIER NAME: Candles and Supplies
SUPPLIER ADDRESS: 2580 Milford Square Pike
Quakertown PA 18951 USA
TELEPHONE NUMBER: (215) 538-8552

02. HAZARD IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

H226: Flammable liquid and vapor.
H371: May cause damage to organs.
H304: May be fatal if swallowed and enters airways.
H410: Very toxic to aquatic life with long lasting effects.
H317: May cause an allergic skin reaction.
H303: May be harmful if swallowed.
H333: May be harmful if inhaled.

CLASSIFICATION ACCORDING TO DIRECTIVE 67/548/EEC OR DIRECTIVE 1999/45/EC:

HARMFUL: Possible risk of irreversible effects if swallowed. HARMFUL: may cause lung damage if swallowed.

Women who are pregnant or nursing should avoid contact with Rosemary oil.

SENSITISING: May cause sensitisation by skin contact.
DANGEROUS FOR THE ENVIRONMENT: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

FLAMMABLE: INFORMATION CONCERNING PARTICULAR HAZARDS FOR HUMAN AND ENVIRONMENT:

The product has to be labeled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version. The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

CLASSIFICATION SYSTEM:

LABEL ELEMENTS:

LABELING ACCORDING TO EU GUIDELINES: The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.



CODE LETTER AND HAZARD DESIGNATION OF PRODUCT:



Harmful. Dangerous for the environment

HAZARD-DETERMINING COMPONENTS OF LABELING:

Bornan-2-on
alpha-Pinene
beta-Pinene
Limonen

RISK PHRASES:

Flammable. May cause sensitization by skin contact. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

HARMFUL:

Possible risk of irreversible effects if swallowed.

HARMFUL:

May cause lung damage if swallowed.

SAFETY PHRASES:

Do not breathe gas/fumes/vapor/spray (appropriate wording to be specified by the manufacturer). Avoid contact with skin. Wear suitable gloves. Use appropriate container to avoid environmental contamination.

03. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL CHARACTERIZATION:

Mixture

CAS-No:

8000-25-7

EINECS-No:

283-291-9

DESCRIPTION:

Mixture of substances listed below with nonhazardous additions.

DANGEROUS COMPONENTS:

76-22-2 Bornan-2-on	10-19.99%
H228; H371; H302; H332	
7785-26-4 alpha-Pinene	5-9.99%
H226; H304; H400; H410; H317; H303	
18172-67-3 beta-Pinene	5-9.99%
H226; H304; H400; H410; H317; H303	
138-86-3 Limonen	2.5-5%
H226; H400; H410; H315; H317	
79-92-5 Camphene	2.5-5%
H228; H400; H410; H319	
87-44-5 beta-Caryophyllene	2.5-5%
H304	
98-55-5 p-Menth-1-en-8-ol	1-2.49%
H315; H303; H313	
123-35-3 Myrcene	1-2.49%
H226; H304; H315; H319	



99-85-4 p-Mentha-1,4-dien H226; H304; H303	1-2.49%
99-87-6 p-Cymene H226; H304; H411; H303; H401	1-2.49%
586-62-9 Terpinolene H226; H304; H411; H303; H401	<1%

04. FIRST AID MEASURES

INHALATION:	Supply fresh air and to be sure call for a doctor. In case of unconsciousness place patient stably in side position for transportation.
SKIN CONTACT:	Immediately wash with water and soap and rinse thoroughly.
EYE CONTACT:	Rinse opened eye for several minutes under running water.
SWALLOWING:	If symptoms persist consult doctor.

05. FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING AGENTS:	CO2, sand, extinguishing powder. Do not use water.
FOR SAFETY REASONS, UNSUITABLE EXTINGUISHING AGENTS:	Water
SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:	No further relevant information available
PROTECTIVE EQUIPMENT:	No special measures required.

06. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:	Wear protective equipment. Keep unprotected persons away.
ENVIRONMENTAL PRECAUTIONS:	Inform respective authorities in case of seepage into water courses or sewage system. Do not allow to enter sewers, surface or ground water.
METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP:	Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13. Ensure adequate ventilation. Do not flush with water or aqueous cleansing agents
REFERENCE TO OTHER SECTIONS:	See Section 7 for information on safe handling. See section 8 for information on personal protection equipment. See section 13 for disposal information.



07. HANDLING & STORAGE

HANDLING:

PRECAUTIONS FOR SAFE HANDLING:
INFORMATION ABOUT FIRE AND
EXPLOSION PROTECTION:

Prevent formation of aerosols.

Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.

STORAGE:

REQUIREMENTS TO BE MET BY
STOREROOMS AND RECEPTACLES:
INFORMATION ABOUT STORAGE IN
ONE COMMON STORAGE FACILITY:
FURTHER INFORMATION ABOUT
STORAGE CONDITIONS:

No special requirements.

Not required

Keep container tightly sealed.

SPECIFIC END USE(S):

No further relevant information available.

08. EXPOSURE CONTROLS/PERSONAL PROTECTION

ADDITIONAL INFORMATION ABOUT
DESIGN OF TECHNICAL FACILITIES:

No further data; see item 7.

INGREDIENTS WITH LIMIT VALUES THAT REQUIRE MONITORING AT THE WORKPLACE:

76-22-2 BORNAN-2-ON

PEL ()

REL ()

TLV ()

2 mg/m³

2 mg/m³

Short-term value: 19 mg/m³, 3 ppm

Long-term value: 12 mg/m³, 2 ppm

138-86-3 LIMONEN:

WEEL ()

30 ppm

ADDITIONAL INFORMATION:

The lists valid during the making were used
as basis.

PERSONAL PROTECTIVE EQUIPMENT:

GENERAL PROTECTIVE AND
HYGIENIC MEASURES:

Keep away from foodstuffs, beverages and
feed. Immediately remove all soiled and
contaminated clothing. Wash hands before
breaks and at the end of work.

RESPIRATORY PROTECTION:

Not required.

PROTECTION OF HANDS:

Protective gloves. The glove material has to
be impermeable and resistant to the
product/ the substance/ the preparation.
Selection of the glove material on
consideration of the penetration times, rates
of diffusion and the degradation



MATERIAL OF GLOVES:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application. The multichemical-resistant glove Barrier 02-100 is recommended. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed. Tightly sealed goggles.

PENETRATION TIME OF GLOVE MATERIAL:

EYE PROTECTION:

09. PHYSICAL & CHEMICAL PROPERTIES

APPEARANCE:

FORM:

Fluid

COLOR:

Yellowish

ODOR:

Characteristic

ODOR THRESHOLD:

Not determined

PH-VALUE:

Not determined

MELTING POINT/MELTING RANGE:

Undetermined

FLASH POINT:

52°C (126 °F)

FLAMMABILITY (SOLID, GASEOUS):

Not applicable

IGNITION TEMPERATURE:

DECOMPOSITION TEMPERATURE:

Not determined

SELF-IGNITING:

Not determined

DANGER OF EXPLOSION:

Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

EXPLOSION LIMITS:

LOWER:

Not determined

UPPER:

Not determined

DENSITY AT 20°C (68 °F):

0.909 g/cm³ (7.586 lbs/gal)

RELATIVE DENSITY:

Not determined

VAPOR DENSITY:

Not determined

EVAPORATION RATE:

Not determined

SOLUBILITY IN / MISCIBILITY WITH WATER:

Not miscible or difficult to mix

SEGREGATION COEFFICIENT (n-octanol/water):

Not determined

OTHER INFORMATION

No further relevant information available

10. STABILITY & REACTIVITY

THERMAL DECOMPOSITION/

CONDITIONS TO BE AVOIDED:

No decomposition if used according to specifications.



INCOMPATIBLE MATERIALS:
HAZARDOUS DECOMPOSITION PRODUCTS:

No further relevant information available.
No dangerous decomposition products known.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY:

PRIMARY IRRITANT EFFECT:

ON THE SKIN:

ON THE EYE:

SENSITIZATION:

ADDITIONAL TOXICOLOGICAL INFORMATION:

No irritant effect

No irritating effect

Sensitization possible through skin contact

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version: Irritant.

12. ECOLOGICAL INFORMATION

AQUATIC TOXICITY:

PERSISTENCE AND DEGRADABILITY:

BEHAVIOR IN ENVIRONMENTAL SYSTEMS:

BIOACCUMULATIVE POTENTIAL:

ECOTOXICAL EFFECTS:

ADDITIONAL ECOLOGICAL INFORMATION:

No further relevant information available

No further relevant information available

No further relevant information available

Very toxic for fish

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water. Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even small quantities leak into the ground. Also poisonous for fish and plankton in water bodies. Very toxic for aquatic organisms.

13. DISPOSAL CONSIDERATIONS

WASTE TREATMENT METHODS:

UNCLEANED PACKAGING:

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Disposal must be made according to official regulations.

14. TRANSPORT INFORMATION

UN-NUMBER:

ADR, IMDG, IATA

UN PROPER SHIPPING NAME

UN1993



ADR:	UN 1993 FLAMMABLE LIQUID, N.O.S. (alpha-PINENE, 1,8-Cineol), ENVIRONMENTALLY HAZARDOUS
IMDG:	FLAMMABLE LIQUID, N.O.S. (alpha-PINENE, 1,8-Cineol), MARINE POLLUTANT
IATA:	FLAMMABLE LIQUID, N.O.S. (alpha-PINENE, 1,8-Cineol)
TRANSPORT HAZARD CLASS(ES)	
ADR:	
CLASS:	3 (F1) Flammable liquids.
LABEL:	3
IMDG, IATA:	
CLASS:	3 Flammable liquids.
LABEL:	3
PACKING GROUP:	
ADR, IMDG, IATA:	III
ENVIRONMENTAL HAZARDS:	Product contains environmentally hazardous substances: alpha-Pinene, beta-Pinene.
MARINE POLLUTANT:	Yes
SPECIAL MARKING (ADR):	Symbol (fish and tree)
SPECIAL PRECAUTIONS FOR USER:	Symbol (fish and tree)
WARNING:	Flammable liquids
DANGER CODE (KEMLER):	30
EMS NUMBER:	F-E,S-E
TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL73/78 AND THE IBC CODE:	Not applicable.
TRANSPORT/ADDITIONAL INFORMATION:	
ADR:	
TUNNEL RESTRICTION CODE:	D/E
UN "MODEL REGULATION":	UN1993, FLAMMABLE LIQUID, N.O.S. (alpha-PINENE, 1,8-Cineol), ENVIRONMENTALLY HAZARDOUS, 3, III

15. REGULATORY INFORMATION

LABELLING ACCORDING TO EU GUIDELINES:	The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.
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Harmful. Dangerous for the environment

HAZARD-DETERMINING COMPONENTS OF LABELING:
Bornan-2-on



alpha-Pinene
beta-Pinene
Limonen

RISK PHRASES:

Flammable. May cause sensitisation by skin contact. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

HARMFUL:

Possible risk of irreversible effects if swallowed.

HARMFUL:

May cause lung damage if swallowed.

SAFETY PHRASES:

Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer). Avoid contact with skin. Wear suitable gloves. Use appropriate container to avoid environmental contamination.

16. OTHER INFORMATION

Essential oils must be diluted prior to use. It is the sole responsibility of the user to determine the method and amount of dilution required for safe use, which may vary depending on the nature of the intended use. Keep away from children and pregnant women.

ABBREVIATIONS AND ACRONYMS:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

The information provided above is intended only as a guide to the appropriate precautionary handling of the material by properly trained personnel using this product. It is the responsibility of the customer and user to ensure it has in place provisions for the safe and proper handling of the material. Although Candles and Supplies believes the above information to be accurate based on the information available to Candles and Supplies, it is the responsibility of the customer and user of the material to perform its own investigation and due diligence prior to use to verify that the product purchased from Candles and Supplies meets their quality requirements and is appropriate for the use to which the product is to be put. Use and purchase of this material is subject to Candles and Supplies standard terms and conditions, which supersede any conflicting terms contained on Buyer's purchase order or any document or instrument supplied by Buyer.