

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 1: Identification

1.1. Identification

Substance name : Spruce essential oil
CAS No : 8008-80-8

1.2. Recommended use and restrictions on use

Use of the substance/mixture : Industrial uses: Uses of substances as such or in preparations* at industrial sites

1.3. Supplier

Camden-Grey Essential Oils, Inc.
5751 Halifax Ave., Unit 2
Fort Myers, FL 33912
www.camdengrey.com
Emergency Tel. No.: Chemtrec 1-800-262-8200 // 1- 703-741-5500

1.4. Emergency telephone number

Emergency number : Chemtrec -1.800.424.9300/ 1.703.527.3887 CCN 797608

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS-US classification

Flam. Liq.3	H226	Flammable liquid and vapour.
Skin Sens. 1	H317	May cause an allergic skin reaction
Asp. Tox. 1	H304	May be fatal if swallowed and enters airways
Aquatic Acute 1 Aquatic Chronic 1	H400	Very toxic to aquatic life
Full text of H statements :see section 16	H410	Very toxic to aquatic life with long lasting effects.

2.2. GHS Label elements, including precautionary statements

GHS-US labelling

Hazard pictograms (GHS-US) :



Signal word (GHS-US)

Danger

Hazard statements (GHS-US)

H226 - Flammable liquid and vapour.
H304 - May be fatal if swallowed and enters airways. H317 - May cause an allergic skin reaction.
H400 - Very toxic to aquatic life.
H410 - Very toxic to aquatic life with long lasting effects.

Precautionary statements (GHS-US)

: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 - Keep container tightly closed.
P240 - Ground/Bond container and receiving equipment
P241 - Explosion-free electrical equipment and lighting with earth P242 - Use only non-sparking tools.
P243 - Take precautionary measures against static discharge.
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
P272 - Contaminated work clothing must not be allowed out of the workplace P273 - Avoid release to the environment.
P280 - Wear protective gloves/protective clothing/eye protection
P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER/doctor P302+P352 - IF ON SKIN: Wash with plenty of water/ ...
P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse Skin with water/shower

Spruce essential oil

Safety Data Sheet

P321 - Specific treatment (see supplemental first aid instruction on this label) P331 - Do NOT induce vomiting.
P333+P313 - If skin irritation or rash occurs :Get medical advice/attention.
P362+P364 - Take off contaminated clothing and wash it before reuse. P370+P378 - In case of fire: Use media other than water to extinguish.
P391 - Collect spillage.
P403+P235 - Store in a well-ventilated place. Keep cool. P405 - Store locked up.
P501 - Dispose in a safe manner in accordance with local/national regulations

2.3. Other hazards which do not result in classification

No additional information available.

SECTION 3: Composition/information on ingredients

3.1. Substance

Name : Spruce essential Oil
CAS No : 8008-80-8

3.2. Mixture

Not applicable

Full text of H-statements: see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	Allow affected person to breathe fresh air. Allow the victim to rest.
First-aid measures after skin contact	Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash with plenty of water/.... If skin irritation or rash occurs: Get medical advice/attention. Specific treatment (see supplemental first aid instruction on this label). Wash contaminated clothing before reuse.
First-aid measures after eye contact	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.
First-aid measures after ingestion	Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after inhalation	Symptoms/effects after inhalation.
Symptoms/effects after ingestion	May be fatal if swallowed and enters airways.

4.3. Immediate medical attention and special treatment, if necessary

No additional information available.

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media	Dry chemical powder. Foam. Dry powder. Carbon dioxide. Water spray.Sand.
Unsuitable extinguishing media	Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard	Flammable liquid and vapour.
Explosion hazard	May form flammable/explosive vapour-air mixture.

5.3. Special hazards arising from the substance or mixture

Firefighting instructions	Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
Protection during firefighting	Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking.
Emergency procedures	Evacuate unnecessary personnel.
Protective equipment	Equip cleanup crew with proper protection.
Emergency procedures	Ventilate area.

Spruce essential oil

Safety Data Sheet

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed Handle empty containers with care because residual vapors are flammable.
Precautions for safe handling Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapors. No open flames. No smoking. Take precautionary measures against static discharge. Use only non-sparking tools. Avoid breathing dust/fume/gas/mist/vapours/spray.
Hygiene measures Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Explosion-free electrical equipment and lighting with earth.
Storage conditions Keep only in the original container in a cool, well ventilated place away from: Keep container tightly closed.
Incompatible products Strong bases. Strong acids.
Incompatible materials Sources of ignition. Direct sunlight. Heat sources.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available.

8.2. Appropriate engineering controls

Personal protective equipment Avoid all unnecessary exposure.
Hand protection Wear protective gloves/protective clothing/eye protection protective gloves
Eye protection Chemical goggles or safety glasses.
Respiratory protection [In case of inadequate ventilation] wear respiratory protection. Do not eat, drink or smoke during
Other information use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid
Colour	Colorless
Odour	Characteristic
Odour threshold	No data available
pH	No data available
Melting point	No data available
Freezing point	No data available
Boiling point	No data available
Flash point	1100 F
Relative evaporation rate	No data available
Flammability (solid, gas)	No data available
Explosive limits	No data available
Explosive properties	No data available
Oxidizing properties	No data available
Vapour pressure	1 mm Hg 200 C
Relative density	0.914
Relative vapour density at 20 °C	No data available
Solubility	No data available
Log Pow	No data available
Auto-ignition temperature	No data available

Spruce essential oil

Safety Data Sheet

Decomposition temperature	No data available
Viscosity	No data available
Viscosity Kinematic	No data available
Viscosity Dynamic	No data available

9.1. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available.

10.2. Chemical Stability

Flammable liquid and vapour. May form flammable explosive vapour-air mixture.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Open flame. Overheating. Heat. Sparks

10.5. Incompatibles materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide. May release flammable gases

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	Not classified.
Skin corrosion/irritation	Not classified.
Serious eye damage/irritation	Not classified.
Respiratory or skin sensitisation	May cause an allergic skin reaction.
Germ cell mutagenicity	Not classified. Based on the data available, the criteria for classification are not met.
Carcinogenicity	Not Classified.
Reproductive toxicity	Not Classified. Based on the data available, the criteria for classification are not met.
STOT-single exposure	Not Classified.
STOT-repeated exposure	Not Classified.
Aspiration hazard	May be fatal if swallowed and enters airways.
Potential adverse human health effects and symptoms	Based on available data the classification criteria are not met.
Symptoms/effects after inhalation	May cause an allergic skin reaction.
Symptoms/effects after ingestion	May be fatal if swallowed and enters air ways.

SECTION 12: Ecological information

12.1. Toxicity

Ecology – water Very toxic to aquatic life with long lasting effects

12.2. Persistence and degradability

Persistence and degradability May cause long-term adverse effects in the environment.

12.3. Bio accumulative potential

Not established.

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Other information Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations Dispose in a safe manner in accordance with local/national regulations. Dispose in a safe manner in accordance with local/national regulations.

Spruce essential oil

Safety Data Sheet

Additional information
Ecology - waste materials

Handle empty containers with care because residual vapours are flammable.
Avoid release to the environment. Hazardous waste due to toxicity.

SECTION 14: Transport information

Department of Transportation (DOT)	In accordance with DOT Not regulated for transport
Transportation of Dangerous Goods	No additional information available
Transport by sea	
UN-No. (IMDG)	1169
Proper Shipping Name (IMDG)	Extracts, Aromatic, Liquid
Class (IMDG)	3 - Flammable liquids
Packing group (IMDG)	III - substances presenting low danger
Air transport	
UN-No.(IATA)	1169
Proper Shipping Name (IATA)	Extracts, Aromatic, Liquid
Class (IATA)	3 - Flammable liquids
Packing group (IATA)	III - Minor Danger

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

SPRUCE OIL (8008-80-8)
Listed on the United States TSCA (Toxic Substances Control Act) inventory.

International regulations

CANADA

No additional information available

EU-Regulations

No additional information available

National regulations

No additional information available

US State regulations

No additional information available

SECTION 16: Other information

Data sources	REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
Other information	None.

Full text of H-statements

H226	Flammable liquid and vapors.
H304	May be fatal if swallowed and enters airways.
H317	May cause an allergic skin reaction.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Hazard Rating

Health
Flammability

1 Slight Hazard - Irritation or minor reversible injury possible.
2 Moderate Hazard - Materials which must be moderately heated or exposed to high ambient temperatures before ignition will occur. Includes liquids having a flash point at or above 100 F but below 200 F. (Classes II & IIIA).

Spruce essential oil

Safety Data Sheet

Physical

0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives

Personal protection

B - Safety glasses, Gloves.

DISCLAIMER: The information in this SDS was obtained from current and reliable sources. However, the data is provided without any warranty, expressed or implied, regarding its correctness and accuracy. Since the conditions for use, handling, storage and disposal of this product are beyond Camden-Grey Essential Oils, Inc.'s control, it is the user's responsibility both to determine safe conditions for use of this product and to assume liability for loss, injury, damage or expense arising out of the product's improper use. No warranty, expressed or implied, regarding the product described herein shall be created by or inferred from any statement or omission in this SDS. Various government agencies (e.g. DOT, EPA, FDA) may have specific regulations concerning the transportation, handling, storage, use or disposal of this product, which may not be reflected in this SDS. The user should review these regulations to ensure full compliance.