

MATERIAL SAFETY DATA SHEET (MSDS) 1907/2006 EC

ISSUED DATE:05.01.2009

1. IDENTIFICATION OF SUBSTANCE / PREPARATION & COMPANY

PRODUCT NAME: **Silver Fir Needles Oil**
PRODUCT CODE: **09011236**
USE OF THE SUBSTANCE/PREPARATION: **Fragrance**
COMPANY/UNDERTAKING IDENTIFICATION:

2. COMPOSITION / INFORMATION ON INGREDIENTS

DEFINITION / BOTANICAL ORIGIN: Silver Fir Needles oil is the volatile oil obtained by steam distillation of the needles of the plant *Abies alba*.

CAS No: 90028-76-5

EINECS: 289-870-2

STATUS: NATURAL

ADDITIVES:NONE

3. HAZARD IDENTIFICATION:

R10. Flammable liquid

R43 May cause sensitisation by skin contact.

R50/53 Toxic to aquatic organisms, may cause long-term adverse effects in aquatic environment

R65 Harmful: may cause lung damage if swallowed.

Additional information:

All chemicals are potentially dangerous. This should only be handled by specially trained personnel.



4. FIRST-AID MEASURES

INHALATION:

Remove from exposure site to fresh air. Keep at rest. Obtain medical attention.

EYE CONTACT:

Rinse immediately with plenty of water for at least 15 min. Contact a doctor if symptoms persist.

SKIN CONTACT:

Remove contaminated cloths. Wash thoroughly with soap & Water, flush with plenty of water. If irritation persist, seek medical advice.

INGESTION:

Rinse mouth out with water. Seek medical advice immediately.

OTHER:

When assessing action take Risk & Safety Phrases into account (Section 15)

5. FIRE FIGHTING MEASURES:

EXTINGUISHED MEDIA:	Use CO2 Dry Powder or Foam type Extinguisher, spraying Extinguish media to base of flames. Do not use direct water jet on burning material.
SPECIAL MEASURES:	Avoid vapour inhalation. Keep away from source of ignition. Do Not smoke. Wear positive pressure self-contained breathing apparatus & protective clothing.
EXTINGUISHED PROCEDURE:	Closed containers may build up pressure when exposed to heat And should be cooled with water spray.

6. ACCIDENTAL RELEASE MEASURES:

PERSONAL PRECAUTIONS:	Avoid inhalation & direct contact with skin & eyes. Use individual protective equipment (safety glasses, waterproof-boots, suitable protective clothing) in case of major spillage.
ENVIRONMENT PRECAUTIONS:	Keep away from drains, soils, surface & ground waters.
CLEANING UP METHODS FOR SPILLAGES:	Remove all potential ignition source. Contain spilled material. Cover with an inert or non-combustible inorganic absorbent Material, sweep up and remove to an approved disposal Container. Observe state, federal & local disposal regulations.

7. HANDLING & STORAGE:

PRECAUTIONS IN HANDLING:	Apply good manufacturing practise & industrial hygiene practise ensuring proper ventilation. Observe good personal hygiene, and do not eat, drink or smoke whilst handling.
STORAGE CONDITIONS:	Store in tightly closed original container, in a cool, dry & ventilated area away from heat sources & protected from light. Keep air contact to a minimum.
FIRE PROTECTION:	Keep away from ignition sources & naked flames. Take Precautions to avoid static discharges in working area.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION:

RESPIRATORY PROTECTION:	Avoid breathing product vapour. Apply local ventilation where is possible.
VENTILATION:	Ensure good ventilation of working area.
HAND PROTECTION:	Avoid all skin contact. Use chemically resistant gloves if required.
EYE PROTECTION:	Use safety glasses.
WORK / HYGIENE PRACTISE:	Wash hands with soap & water after handling.

9. PHISICAL & CHEMICAL PROPERTIES:

COLOUR:	Yellowish
APPERANCE:	Clear liquid
ODOUR:	Fresh dry fir forest earthy woody
FLASH POINT *C	40
BOILING POINT *C	132
SPECIFIC GRAVITY @ 25*C	0.8950 – 0.9200
SOLUBILITY IN WATER:	Not miscible or difficult to mix.

10. STABILITY & REACTIVITY:

REACTIVITY:	If presents no significant reactivity hazard, by itself or in contact with wather. Avoid contact with strong acids, alkali or oxidising agents.
DECOMPOSITION:	Liab to cause smoke & acrid fumes during combustion: carbon monoxide, carbon dioxide & other non-identified organic compounds may be formed.

11. TOXIOLOGICAL INFORMATION:

ACUTE TOXICITY:	LD/LC50 values relevant for classification.
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12. ECOLOGICAL INFORMATION:

BIODEGRADABILITY	Data not available.
PRECAUTIONS:	Prevent surface contamination of soil, ground & surface water.

13. DISPOSAL CONSIDERATIONS:

Avoid disposing to drainage systems and into the environment. Seek expert advice.

14. TRANSPORT REGULATIONS:

UN 1272	applies
UN PACKING GROUP:	III
Road (ADR / RID);	Class 3.31
Air (IATA):	Class 3.3
SEA (IMDG):	Class 3.3
CHIP:	See section 15
PROPPER SHIPPING NAME:	PINE OIL

15. REGULATORY INFORMATION: According to **Directive 88/379/EEC**

HAZARDS SYMBOL:



RISK PHASES:	R10 Flammable liquid. R43 May cause sensitisation by skin contact. R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in aquatic environment. R65 Harmful: may cause lung damage if swallowed.
SAFETY PHRASES	S7 Keep container tightly closed. S16 Keep away from source of ignition. No smoking. S23 Do not breathe fumes/aerosol. S24 Avoid contact with skin. S29/56 Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point. S36/37 Wear suitable protective clothing and gloves.

16. OTHER INFORMATION:

PACKING:

TYPE	SUITABILITY
Glass	Yes
Lacquer lined steel/tin	Yes
Aluminium	Yes
HPPE	No
F/HDPE	Yes
Other plastic	No

SHELF LIFE

When stored within advised conditions, re-test after 12 months then at 3 monthly intervals up to a maximum life of 36 months.

Q.C.REQUIRMENTS:

In-line with general product specification. Always satisfy suitability for specific application.
Retest after 6 months.

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