



SAFETY DATA SHEET (91/155/EC)

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

* Product name:

PURE TURPENTINE

* Supplier:

LIBERON

Mountfield Ind Est

New Romney

Kent, TN28 8XU

Tel: 0044 (0)1797 367555

Fax: 0044 (0)1797 367575

* Emergency phone number (to be used by the practising doctor):

UK - National Poisons Information Service Phone: 44 / 191 22 5131

2. COMPOSITION/INFORMATION ON INGREDIENTS

* Preparation name:

PURE TURPENTINE

* Component(s) contributing to the health hazard:

PURE TURPENTINE

CAS NR: 8006-64-29 EC NR: 232-350-7

Conc. (weight %): 100% - Symbol(s): Xn- R: 10, R20/22/25, R65, R36/38, R43, R51, R53

3. HAZARDS IDENTIFICATION

* Most important hazards:

Flammable.

* Specific hazards:

Can be harmful by inhalation, in contact with skin and if swallowed in quantity.

Irritating to eyes and skin, may cause skin sensitisation.

Can form explosive mixtures with air.

4. FIRST AID MEASURES

* General advice:

In all cases of doubt, or when symptoms persist, seek medical attention.

Never give anything by mouth to an unconscious person.

For symptom description, see item 11.

* Inhalation:

Remove patient to fresh air and rest. Seek medical attention if discomfort persists.

* Skin contact:

Remove contaminated clothing. Immediately wash affected skin with plenty of soap and water (Note: Ideally cold water should be used to reduce absorption) Seek medical attention if discomfort persists.

Wash contaminated clothing before re-use

* Eye contact:

Immediately irrigate with copious amounts of water for at least 15 minutes. Seek medical attention.

* Ingestion:

Do NOT induce vomiting which may contaminate the lungs. Rinse out mouth with water and give plenty of water to drink.

Seek medical attention.

5. FIRE-FIGHTING MEASURES

* Suitable extinguishing media:

Carbon Dioxide, extinguishing powder, alcohol resistant foam or halones. Fight larger fires with alcohol resistant foam. Use water spray to cool containers in the event of fire.

* Specific fire hazard(s):

Can form explosive mixtures with air particularly in confined spaces. E.g. drains, empty uncleaned receptacles. Vapour is heavier than air and will travel along the ground. Avoid sources of heat of ignition.

* Special protective equipment for fire-fighters:

Use a self-contained breathing apparatus and also a protective suit.

6. ACCIDENTAL RELEASE MEASURES

* Personal precaution(s):

Wear protective equipment and keep unprotected persons away. Use suitable breathing protection against the effects of fumes. Avoid sources of heat or ignition.

* Environmental precaution(s):

Prevent substance entering drains, watercourses or sewers. In event of contamination of watercourses or sewers, advise Police, Fire Brigade and Local Water Authority.

* Method(s) for cleaning up:

Absorb in inert material e.g. sand or earth. Do not use sawdust. Collect into suitable containers, ensuring they are correctly labelled for Specialist disposal or recovery. Keep well ventilated.

7. HANDLING AND STORAGE

* Handling

* Precaution(s):

Keep away from sources of heat or ignition - NO SMOKING. Avoid contact with the skin, eyes and clothing. Ensure all equipment is earthed before use.

* Technical condition(s):
Maximum handling temperature: 55°C

* Safe handling advice(s):
Avoid letting the product become dry.

* Storage

* Precaution(s):
Store in a place accessible by authorised persons only.

* Storage condition(s):
Store away from heat and sources of ignition, acids and oxidising agents.
Keep container tightly sealed away from heat. Store in accordance with
HS(G)71 - Storage of Packed Dangerous Substances, HS(G)50 - Storage of
Flammable Liquids in Fixed Tanks and HS(G)51 - Storage of Flammable Liquids
in Containers.

* Separation of incompatible product(s):
Keep away from: acids and oxidising compounds.

* Packaging / tank material:
stainless steel, mild steel.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

* Occupational Exposure Limits:

Long Term:		Short Term:	
8 Hours TWA		15 mins ref period	
ppm	mg/m ³	ppm	mg/m ³
100	560	150	840 (RTECS Y08400000 Update 9303)

not listed under EH40/94

* Personal protection equipment:

* Respiratory protection:
In case of insufficient ventilation, wear suitable respiratory device for
organic vapours.

* Hand protection:
Use Protective Gloves

* Skin and body protection:
solvent-resistant apron and boots

* Eye protection:
safety glasses or face shield

* Other:
Wear suitable protective clothing and plastic or rubber boots. Instantly
remove any soiled and impregnated garments. Avoid contact with eyes and skin.
Wash hands after use. Store protective clothing separately.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state / form: liquid
Colour: colourless
Odour: characteristic
pH: Not known
Boiling point/range: 157.2°C

Flash point: 35°C
Explosion limits: Upper Limit 6.0%
 Lower Limit 0.8%
Relative density (water = 1): 0.86 - 0.872 at 20°C
Viscosity: Not known
Water solubility: Not miscible in water
Fat solubility: Not applicable.
Solvent solubility: Not known

10. STABILITY AND REACTIVITY

* Stability:

Stable at ambient temperatures

* Condition(s) to avoid:

Heat and sources of ignition

* Material(s) to avoid:

Oxidising agents

* Hazardous decomposition products:

Toxic Carbon Monoxide vapours may be liberated in a fire, as well as Carbon Dioxide. Sulphur Dioxides may also be produced in the case of Sulphate Turpentine.

11. TOXICOLOGICAL INFORMATION

* General Information

There is no data available on the product itself.
Periodical medical test is recommended to check for any effects from repeated exposure.

* Acute toxicity

* - Inhalation:

Similar to ingestion Rat LC50 12g/m³ / 6 hours behavioural

* - Skin contact:

prolonged contact with skin may cause irritation. This is classed as a moderate skin sensitizer and may be absorbed through the skin.

* - Eyes contact:

Irritating to eyes. Causes pain, redness, watering and blurred vision. LD50 value Oral Rat is 5760 mg/Kg (RTECS Y08400000 Update 9303)

* - Ingestion:

May cause internal irritation if ingested in quantity. Symptoms may include sore throat, abdominal pain and diarrhoea.

12. ECOLOGICAL INFORMATION

* General information(s):

There is no data available on the product itself.

* Persistence and degradability:

There is no data available.

* Bioaccumulation:

there is no data available

* Environmental toxicity:
toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment. Do not allow product to reach ground water, water bodies or sewage system.

13. DISPOSAL CONSIDERATIONS

* Waste / unused products:
Dispose of through an Authorised Contractor to a Licensed Site.
Do Not allow product to reach sewage system.

14. TRANSPORT INFORMATION

General information(s):
Transport followed ADR, IMDG, IATA
UN No. 1299
Land (Road / Railway: ADR/RID)
- item and letter: 3.31 c
Sea (IMDG)
- IMO class: 3.3

15. REGULATORY INFORMATION

* Labelling:
According to European directives on classification, packaging and labelling of dangerous substances 67/548/ EC. Using the calculation method 88/379/ EC.

* EC number: Not applicable.

Symbol(s): None according to EC directives.

Contains:
PURE TURPENTINE

R-phrase(s):
R : 10
Flammable.
R : 65
Harmful; may cause lung damage if swallowed
R : 36/38
Irritating to eyes and skin
R : 43
May cause sensitisation by skin contact
R : 51/53
Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment

S-phrase(s):
S : 2
Keep out of the reach of children.
S : 62
If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.
S : 36/37
Wear suitable protective clothing and gloves
S : 46
If swallowed seek medical advice immediately and show this container or label

S : 61

Avoid release to the environment. Refer to special instructions/safety data sheet.

16. OTHER INFORMATION

* According legislation(s):

This safety data sheet is in compliance with EC directives and adaptations no.: 91/155, 67/548, and 88/379

* Important remarks:

Information in this safety data sheet is based on actual knowledge in our Possession and our experience.

It is recommended to pass the information of this safety data sheet, eventually in an appropriated form, to the users.

No liability will be accepted (except as otherwise provided by law) arising out of the use of information supplied in this data sheet.

* Restrictions:

This information relates to the specific material designated and may not be valid in combination with other product(s).

* History

- First edition date: 19-06-98

98.06.19 15:42:15

- Review date: 27/05/2002

- Version: 2

- Review chapter(s) n°: 2/3/14/15

Written by: Mike Morris