



SAFETY DATA SHEET

Genuine Turpentine

LTP/10

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME: GENUINE TURPENTINE

PART No.: LTP/10

SUPPLIER: Lionheart Terracotta Products
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2. COMPOSITION/INFORMATION ON INGREDIENTS

NAME	EC Nr.:	CLASSIFICATION	CONTENT	CAS No.:
TURPENTINE OIL	232-350-7	R10 Xn R20/21/22, R65 R43 Xi ;R36/38, N;R51, R53	60-100 %	8006-64-2

The Full Text for all R-Phrases are Displayed in Section 16

APPROVED CODE OF PRACTICE: Classification and Labelling of Substances and Preparations Dangerous for Supply.
GUIDANCE NOTES: Occupational Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG(108).

3. HAZARDS IDENTIFICATION

Flammable. May cause sensitization by skin contact. Harmful by inhalation, in contact with skin and if swallowed. Irritating to eyes and skin. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Harmful: may cause lung damage if swallowed.

4. FIRST AID MEASURES

GENERAL: Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

INHALATION: Move the exposed person to fresh air at once. Get medical attention. Provide rest, warmth and fresh air. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen.

INGESTION: DO NOT INDUCE VOMITING! NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! If vomiting occurs, keep head low so that stomach content does not get into the lungs. Drink plenty of water. Get medical attention immediately! Provide rest, warmth and fresh air.

SKIN: Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention promptly if symptoms occur after washing.

EYES: Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

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5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:

Fire can be extinguished using: Alcohol resistant foam. Dry chemicals, sand, dolomite etc.

SPECIAL FIRE FIGHTING PROCEDURES:

Avoid breathing fire vapours. Cool containers exposed to flames with water until well after the fire is out. Keep run-off water out of sewers and water sources. Dike for water control.

UNUSUAL FIRE & EXPLOSION HAZARDS:

Vapours may form explosive mixtures with air at room temperature. May explode when heated or when exposed to flames or sparks. Vapours are heavier than air and may spread near ground to sources of ignition. May travel considerable distance to source of ignition and flash back.

PROTECTIVE MEASURES IN FIRE:

Wear self-contained breathing apparatus and full protective clothing.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTION IN SPILL:

Wear suitable protective clothing as specified under section 8 of this safety data sheet – Exposure Controls and Personal Protection.

PRECAUTIONS TO PROTECT ENVIRONMENT:

Do not allow spilled material to enter drains or water courses.

SPILL CLEANUP METHODS:

Wear necessary protective equipment. Absorb in vermiculite, dry sand or earth and place into containers. Containers with collected spillage must be properly labeled with correct contents and hazard symbol. Dispose of via specialist disposal or recovery.

7. HANDLING AND STORAGE

USAGE PRECAUTIONS:

Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Do not use in confined spaces without adequate ventilation and/or respirator. Static electricity and formation of sparks must be prevented.

STORAGE PRECAUTIONS:

Keep in cool, dry, ventilated storage and tightly closed original containers.

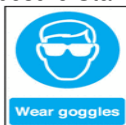
STORAGE CRITERIA:

Flammable liquid storage.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

INGREDIENT NAME:	STD	LT - ppm	LT –mg/m3	ST – ppm	ST – mg/m3
TURPENTINE, OIL	OES	100 ppm	566 mg/m3	150 ppm	850 mg/m3

INGREDIENT COMMENTS: OES = Occupational Exposure Standard.



PROTECTIVE EQUIPMENT:

VENTILATION:

Provide adequate general and local exhaust ventilation.

RESPIRATORS:

No specific recommendation made, but respiratory protection must be used if the general level exceeds the Occupational Exposure Level (OEL).

PROTECTIVE GLOVES:

Use protective gloves made of: Neoprene or Nitrile. Viton rubber (fluor rubber).

EYE PROTECTION:

Wear approved safety goggles.

OTHER PROTECTION:

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

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HYGIENIC WORK PRACTICES: DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap & water if skin becomes contaminated. Use appropriate skin cream to prevent drying of skin. No eating or drinking while working with this material.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Liquid.
COLOUR:	Colourless.
ODOUR/TASTE:	Turpentine
BOILING POINT (°C, interval):	157
MELTING POINT (°C)	-50 to -60
RELATIVE DENSITY	860 – 872 @ 20°C
VAPOUR DENSITY (air=1)	4.84
EVAPORATION RATE	0.4 BuAc=1
VOLATILE BY VOL (%)	97.5
FLASH POINT (°C)	35 CC (Closed cup)
AUTO IGNITION TEMPERATURE	253 (°C)
FLAMMABILITY LIMIT – LOWER (%)	0.8
FLAMMABILITY LIMIT – UPPER (%)	6.0

10. STABILITY AND REACTIVITY

STABILITY:	Stable under normal temperature conditions.
CONDITIONS TO AVOID:	Avoid heat, flames and other sources of ignition. Avoid contact with acids and oxidizing substances.
HAZARDOUS DECOMP. PRODUCTS:	Fire creates: Toxic gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO ₂).

11. TOXICOLOGICAL INFORMATION

TOXIC DOSE - LD 50:	>5760 mg/kg (oral rat)
INHALATION:	Harmful by inhalation. Prolonged inhalation of high concentrations may damage respiratory system. Exposure to organic solvent vapours in excess of the stated occupational exposure limit may result in adverse effects such as irritation of the mucous membrane and the respiratory system and adverse effects on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.
INGESTION:	Harmful if swallowed. Liquid irritates mucous membranes and may cause abdominal pain if swallowed. Diarrhoea, Headache, Central nervous system depression. Pneumonia may be the result if vomited material containing solvents reaches the lungs.
SKIN:	Harmful in contact with skin. Prolonged or repeated exposure may cause severe irritation. Prolonged or repeated skin contact with the product may cause removal of natural fats from the skin resulting in non- allergic contact dermatitis and absorption through the skin.
EYES:	May cause severe irritation to eyes.
ROUTE OF ENTRY	skin absorption. Inhalation. Ingestion
TARGET ORGANS:	Skin. Eyes. Respiratory system, lungs.

12. ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION:	Dangerous for the environment: May cause long-term adverse effects in the aquatic environment
DEGRADABILITY:	Not thought to be readily Biodegradable.
ACUTE FISH TOXICITY	Fish toxicity reported at doses of 100 ppm – species or time period not reported.

13. DISPOSAL CONSIDERATIONS

GENERAL INFORMATION	Contaminated packing should be disposed of as Special Waste, as above, according to local authority guidelines. Washed and decontaminated packing may be disposed of as Controlled waste.
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DISPOSAL METHODS:

Dispose of in accordance with Local Authority requirements.

14. TRANSPORT INFORMATION**LABEL FOR CONVEYANCE:**

UN No. ROAD:	1299
UK ROAD TRANSPORT CLASS:	3
UK ROAD PACK GR.:	III
ADR CLASS No.:	3
ADR CLASS:	Class 3: Flammable liquids.
ADR ITEM No.:	31(c)
ADR LABEL No.:	3
HAZARD no. (ADR)	30
HAZCHEM CODE:	3Y
CEFIC TEC(R) No.:	30G35
RID CLASS No.:	3
RID PACK GROUP:	31(c)
UN No. SEA:	1299
IMDG CLASS:	3
IMDG PAGE No.:	3379
IMDG PACK GR.:	III
EmS No.:	3-07
MFAG TABLE No.:	See Guide
MARINE POLLUTANT:	Yes.
UN No., AIR:	1299
ICAO CLASS:	3
AIR PACK GR.:	III

15. REGULATORY INFORMATION**LABEL FOR SUPPLY:****CONTAINS:**

Turpentine, Oil

RISK PHRASES:

R-10 Flammable.
 R43 May cause sensitization by skin contact
 R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
 R36/38 Irritating to eyes and skin
 R-51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
 R-65 Harmful: may cause lung damage if swallowed.

SAFETY PHRASES:

S-13 Keep away from food, drink and animal feeding stuffs.
 S-2 Keep out of the reach of children.
 S-24/25 Avoid contact with skin and eyes
 S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 S-29/56 Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.
 S-36/37 Wear suitable protective clothing and gloves
 S-46 If swallowed, seek medical advice immediately and show this container or label.
 S-51 Use only in well-ventilated areas.
 S-61 Avoid release to the environment. Refer to special instructions/ Safety Data Sheets.

STATUTORY INSTRUMENTS:

Chemicals (Hazard Information and Packaging) Regulations.

APPROVED CODE OF PRACTICE:

Classification and Labelling of Substances and Preparations Dangerous for Supply.

GUIDANCE NOTES:

Occupational Exposure Limits EH40. Introduction to Local Exhaust Ventilation
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16. OTHER INFORMATION

INFORMATION SOURCES: Dangerous Properties of Industrial Materials Report, N.Sax et.al.

REVISION DATE: 05-04-2003

REV. No./REPL. SDS GENERATED: 001

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R65Harmful: may cause lung damage if swallowed.

*This data sheet is compiled to be of assistance but is without guarantee. Users are responsible for safe working.
March 09*
