

ALEC TIRANTI LIMITED

TOOLS, MATERIALS & EQUIPMENT FOR MODELLING, CARVING, SCULPTURE

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Material Safety Data Sheet

Turpentine

1. Identification of the Substance/mixture and of the company/undertaking

1.1 Product identifier

Product name: TURPENTINE
Product code: PURT
Synonyms: TURPENTINE

1.2 Relevant identified uses of the substance or mixture and uses advised against

1.3 Details of the supplier of the safety data sheet

Company name: Rustins Ltd
Waterloo Road
Cricklewood
London
NW2 7TX
United Kingdom
Tel: +44 (0)208 450 4666
Fax: +44 (0)208 452 2008
Email: rustins@rustins.co.uk

1.4 Emergency Telephone Number

2. Hazards Identification

2.1 Classification of the Substance or Mixture

Classification under CHIP: -: R10; Xn: R20/21/22; Xi: R36/38; Sens.: R43; N: R51/53; Xn: R65
Classification under CLP: This product has no classification under CLP.

2.2 Label Elements

Label elements: This product has no label elements.

2.3 Other Hazards

PBT: This substance is not identified as a PBT substance.

3. Composition/information on Ingredients

3.1 Substances

Chemical identity: GUM TURPENTINE

4. First Aid Measures

4.1 Description of First Aid measures

Skin contact: Remove contaminated clothing. Wash skin thoroughly with soap and water. Do NOT use solvents or thinners. If irritation persists seek medical attention.
Eye contact: Contact lenses should be removed. Irrigate copiously with clean, fresh

water for at least 10 minutes, holding the eyelids apart, and seek medical advice.

Ingestion: Do not induce vomiting. Get medical attention immediately.
Inhalation: Remove to fresh air, keep the patient warm and at rest. If there is difficulty in breathing, properly trained personnel may administer oxygen. If breathing has stopped, administer artificial respiration (NOT mouth to mouth). Give nothing by mouth if unconscious, place in the recovery position and seek medical attention.

4.2 Most important symptoms and effects both acute and delayed

Skin contact: Irritation. Repeated or prolonged contact may cause defatting of the skin leading to irritation and dermatitis.
Eye contact: Irritation.
Ingestion: May cause stomach pain, nausea and vomiting, irritation of mouth and throat. Aspiration into the lungs after ingestion will cause severe lung damage and may cause fatal pneumonitis.
Inhalation: May cause irritation of the respiratory tract. Dizziness and headache.

4.3 Indication of any immediate medical attention and special treatment needed

5. Fire Fighting Measures

5.1 Extinguishing Media

Extinguishing media: Dry chemical powder. Alcohol resistant foam. Carbon dioxide (CO₂). DO NOT USE WATER.

5.2 Special Hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes of carbon monoxide, carbon dioxide and smoke. The vapours are heavier than air. Solvent vapours may form explosive mixtures with air.

5.3 Advice for firefighters

Advice for fire-fighters: Exposure to decomposition products may be a hazard to health. Appropriate self-contained breathing apparatus may be required. Cool closed containers exposed to fire with water spray. Do NOT allow run-off from fire fighting to enter drains or water courses.

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions: Ventilate the area. Eliminate all sources of ignition. No Smoking. Avoid inhaling vapour. Mark out the contaminated area with signs and prevent access to unauthorized personnel. Do not attempt to take action without suitable protective clothing (see section 8).

6.2 Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. If the product enters drains or sewers, the local water company should be contacted immediately. In the case of contamination of streams, rivers or lakes contact the relevant environment agency.

6.3 Methods and material for containment and cleaning up

Clean-up procedures: Contain and collect spillages with non-combustible absorbent materials, e.g. sand, earth, vermiculite. Transfer into a suitable container for disposal in accordance with the waste regulations (see section 13) Do not use equipment in clean-up procedure which may produce sparks. Clean preferably with a detergent, avoid the use of solvents.

6.4 Reference to other sections

7. Handling and Storage

7.1 Precautions for safe handling

Handling requirements: Ensure there is sufficient ventilation of the area. Avoid inhalation of vapour. Avoid skin and eye contact. Smoking, eating and drinking should be

prohibited in areas of storage and use. Skin contact constitutes the most pronounced hazard. Persons with a history of skin sensitisation problems should only be employed in processes in which this product is used under appropriate medical supervision. Exclude sources of heat, sparks and open flame. Earth any equipment used in handling. Use non-sparking tools. The Manual Handling Operations Regulations may apply to the handling of containers of this product.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions:	Store in cool, well ventilated area. Keep container tightly closed. Exclude sources of heat, sparks and open flame. Take precautionary measures to prevent product spills into drains, the ground or waters. Although the storage of this product is not subject to specific statutory requirements, the principles contained in the HSE guidance note Storage of Flammable Liquids in containers, should be observed.
Suitable packaging:	Ideally, keep in original container. If transfer is necessary use glass or coated steel containers.

7.3 Specific end use(s)

8. Exposure Controls/Personal Protection

8.1 Control parameters

Workplace exposure limits: Not applicable.

8.2 Exposure controls

Engineering measures:	Provide adequate ventilation. If these are not sufficient to maintain concentrations of particulates and/or solvent vapours below the relevant occupational exposure limits, suitable respiratory protective equipment should be worn (see Respiratory protection below).
Respiratory protection:	If there is a risk of exposure to high vapour concentrations, use respiratory protective equipment. All personal protective equipment, including respiratory protective equipment, used to control exposure to hazardous substances must be selected to meet the requirements of the COSHH Regulations.
Hand protection:	Where repeated skin exposure may occur, wear PVC or Nitrile gloves. Barrier creams may help to protect exposed areas of skin but are not substitutes for full physical protection. They should NOT be applied once exposure has occurred. Wash hands thoroughly after handling chemicals.
Eye protection:	Eye protection designed to protect against liquid splashes should be worn.
Skin protection:	Overalls are normally suitable, PVC apron if risk of splashing.

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

State:	Liquid
Colour:	Water white.
Odour:	Pine.
Solubility in water:	Not miscible
Viscosity:	Non-viscous
Boiling point/range°C:	156-170
Flash point°C:	34
Relative density:	0.866 @ 25 C

9.2 other information

Not Applicable

10. Stability and Reactivity

10.1 Reactivity

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10.2 Chemical Stability

Chemical stability: Stable under normal storage and handling conditions (see Section 7).

10.3 Possibility of hazardous reactions

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10.4 Conditions to avoid

Conditions to avoid: Avoid heat, flames and sparks. Direct sunlight. Extremes of temperature.

10.5 Incompatible materials

Materials to avoid: Strong oxidising agents. Acids.

10.6 Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes of carbon dioxide / carbon monoxide. Acrid smoke.

11. Toxicological Information

11.1 Information on toxicological effects

Toxicity values: Not applicable.

11.2 Symptoms / routes of exposure

Skin contact:	Irritation. Repeated or prolonged contact may cause defatting of the skin leading to irritation and dermatitis.
Eye contact:	Irritation.
Ingestion:	May cause stomach pain, nausea and vomiting, irritation of mouth and throat. Aspiration into the lungs after ingestion will cause severe lung damage and may cause fatal pneumonitis.
Inhalation:	May cause irritation of the respiratory tract. Dizziness and headache.

12. Ecological Information

12.1 Toxicity

Ecotoxicity values: Not applicable.

12.2 Persistence and degradability

Persistence and degradability: Biodegradable.

12.3 Bioaccumulative potential

Bioaccumulative potential: There is no data available on the product itself.

12.4 Mobility in soil

Mobility: Insoluble in water. Volatile. Partially absorbed into soil. Harmful to aquatic organisms. The product should not be allowed to enter drains or water courses or be deposited where it can affect ground or surface waters.

12.5 Results of PBT and vPvB assessment

PBT identification: This substance is not identified as a PBT substance.

12.6 Other adverse effects

Other adverse effects: Toxic to aquatic organisms.

13. Disposal Considerations

13.1 Waste treatment methods

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. Transport Information

UN number: UN1299

Transport class: 3

Environmentally hazardous: Yes

Marine pollutant: Yes

15. Regulatory Information

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

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15.2 Chemical safety assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the

mixture by the supplier.

16. Other Information

Other information:	This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010. * indicates text in the SDS which has changed since the last revision.
Phrases used in s.2 and 3: R10:	Flammable. R20/21/22: Harmful by inhalation, in contact with skin and if swallowed. R36/38: Irritating to eyes and skin. R43: May cause sensitisation by skin contact. R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R65: Harmful: may cause lung damage if swallowed.
Legal disclaimer:	The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product. As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.

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