



SAFETY DATA SHEET

WOOD DYE

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Issued: 31/07/04

Revision No: 2

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

Product name: WOOD DYE
Product code: WDDT
Synonyms: WOOD DYE
Company name: Rustins Ltd
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Cricklewood
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2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients: NAPHTHA (PETROLEUM) HYDROTREATED HEAVY 30-50%
CAS: 64742-48-9
EINECS: 265-150-3
[Xn] R65; [Xi] R66; [-] R67

- PLEXIGUM P24 SOLUTION 1-10%
[Xn] R20; [Xi] R36/37/38; [Xn] R65
- 3-BUTOXYPROPAN-2-OL 10-30%
CAS: 5131-66-8
EINECS: 225-878-4
[Xi] R36/38
- SOLVENT NAPHTHA 1-10%
[-] R10; [Xn] R20; [Xi] R36/37/38; [N] R51/53; [Xn] R65

3. HAZARDS IDENTIFICATION

Main hazards: Flammable. Irritating to eyes and skin. Harmful: may cause lung damage if swallowed. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

4. FIRST AID MEASURES (SYMPTOMS)

Skin contact: Irritation. Repeated or prolonged contact may cause defatting of the skin leading to irritation and dermatitis.

Eye contact: Irritation with short term redness and stinging.

Ingestion: Large doses may cause nausea and diarrhoea. Aspiration into the lungs after ingestion will cause severe lung damage and may cause fatal pneumonitis.

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Inhalation: May cause irritation of the respiratory tract. May cause drowsiness, dizziness, headache.

4. FIRST AID MEASURES (ACTION)

Skin contact: Remove contaminated clothing. Wash skin thoroughly with soap and water or use a propriety skin cleaner. 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. Seek medical attention.

Ingestion: If accidentally swallowed, wash mouth out with water. Do not induce vomiting, keep at rest and obtain medical attention.

Inhalation: Remove to fresh air, keep the patient warm and at rest. If breathing has stopped, administer artificial respiration. Give nothing by mouth if unconscious, place in the recovery position and seek medical advice.

5. FIRE-FIGHTING MEASURES

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

Exposure hazards: In a fire, hazardous decomposition products such as smoke and Carbon Monoxide may be produced.

Protection of 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

Personal precautions: Ventilate the area. Eliminate all sources of ignition. No Smoking. Avoid inhaling vapour. Avoid contact with skin and eyes. Mark out the contaminated area with signs and prevent access to unauthorised personnel.

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.

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.

7. HANDLING AND STORAGE

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. 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.

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Storage conditions: Keep in cool, dry, ventilated storage and tightly closed containers. Keep away from direct sunlight. 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.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures: Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. 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: Wear Nitrile gloves.

Eye protection: Eye protection designed to protect against liquid splashes should be worn. Ensure eye bath is to hand.

Skin protection: Overalls are normally suitable, PVC apron if risk of splashing.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Liquid

Colour: Colour range: Pine, Dark Oak, Medium Oak, Light Oak, Ebony, Antique Pine, Walnut, Red Mahogany, Brown Mahogany, Light Teak and Dark Teak.

Odour: Paraffinic.

Solubility in water: Not miscible

Viscosity: Non-viscous

Boiling point/range°C: 150-190

Flash point°C: 38

Relative density: 0.850 @ 20 C

10. STABILITY AND REACTIVITY

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

Conditions to avoid: Avoid heat, flames and sparks. Sources of ignition. Direct sunlight.

Materials to avoid: Oxidising agents. Strong acids.

Haz. decomp. products: In a fire, hazardous decomposition products such as smoke and carbon monoxide may be produced.

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11. TOXICOLOGICAL INFORMATION

Hazardous ingredients: 3-BUTOXYPROPAN-2-OL

ORL RAT LD50 5660 µl/kg

SKN RBT LD50 3100 mg/kg

Routes of exposure: This product has not been tested for toxicity. The toxicological properties given in this section are based on those of the solvents. The vapour is irritating to the eyes and splashes of liquid may cause discomfort and possible damage. Prolonged skin contact will have a defatting effect, which may lead to irritation and possibly dermatitis. Vapour irritates the eyes and the respiratory tract. Swallowing may cause lung damage. Risk of severe pulmonary problems in case of accidental aspiration.

12. ECOLOGICAL INFORMATION

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

Persistence and degradability: There is no data available on the product itself. Expected to biodegrade slowly.

Bioaccumulative potential: There is no data available on the product itself. Not expected to bioaccumulate.

Other adverse effects: Toxic to aquatic organisms.

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

ADR / RID

UN no: 1263

Labelling: 3

ADR Class: 3

Hazard ID no: 30



IMDG / IMO

UN no: 1263

Packing group: III

Marine pollutant: .

Class: 3

EmS: 3-05

Labelling: 3

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IATA / ICAO

UN no: 1263

Class: 3

Packing group: III

Packing instructions: 310

Labelling: 3

15. REGULATORY INFORMATION

Hazard symbols: Harmful.



Risk phrases: R10: Flammable.

R36/38: Irritating to eyes and skin.

R65: Harmful: may cause lung damage if swallowed.

R66: Repeated exposure may cause skin dryness or cracking.

R67: Vapours may cause drowsiness and dizziness.

Safety phrases: S23: Do not breathe fumes.

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions. Safety Data Sheet complies with UK regulatory references in accordance with CHIP 3.

16. OTHER INFORMATION

Risk phrases used in s.2: R65: Harmful: may cause lung damage if swallowed.

R66: Repeated exposure may cause skin dryness or cracking.

R67: Vapours may cause drowsiness and dizziness.

R20: Harmful by inhalation.

R36/37/38: Irritating to eyes, respiratory system and skin.

R36/38: Irritating to eyes and skin.

R10: Flammable.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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.



www.rustins.co.uk

PRODUCT DATA SHEET

<i>Product</i>	Danish Oil
<i>Type</i>	Rustins Danish Oil is a blend of oils (including Tung Oil), resins and driers, formulated to produce an attractive and durable finish. The finish is Satin. For a gloss finish, use Rustin's Teak Oil.
<i>Intended Use</i>	For all interior & exterior bare wood, doors, joinery, garden and indoor furniture.
<i>Special Features</i>	Brings out the natural beauty of wood and veneered surfaces, gives a natural open-grained low lustre finish. Easy to maintain. Conforms to Safety of Toys Regulations BS EN 71 Part 3 1995.
<i>Preparation</i>	The bare wood must be clean, smooth, dry and free from wax, dust and contaminants. Remove wax by scrubbing with white spirit or Rustin's Surface Cleaner and a scouring pad, then wipe away whilst still wet with clean rags. Existing paint and varnishes should be removed with Rustin's Strypit Paint and Varnish Stripper. Bare wood may be dyed before coating with Rustin's Wood Dye. Do not apply Knotting.
<i>Application</i>	Apply liberally with a clean rag or brush and wipe off the surplus oil after a few minutes. On exterior wood, the first coat should be applied liberally with a brush and allowed to dry without wiping. Nibs may be removed from the final coat by applying oil with a scouring pad, rubbing in the direction of the grain, then wiping away the surplus with clean rags or paper kitchen towels.
<i>Coats</i>	Bare wood requires 3 coats. Exterior wood may require extra coats. See below.
<i>Drying Time</i>	4-6 hours depending on temperature and humidity.
<i>Re-coating Time</i>	Re-coat once the previous coat is dry.
<i>Application Temp.</i>	Ideally 15-25°C, do not apply below 5°C or on exterior surfaces if rain is expected.
<i>Coverage</i>	About 14sq.m per litre, 1 coat, depending on the absorbency of the wood.
<i>Maintenance</i>	Periodic re-oiling is required. Clean surfaces before re-oiling using White Spirit.
<i>Compatibility</i>	Danish Oil may be used over the following Rustin's products. Wood Dye, Grainfiller, and Woodstopping. The dye may also be added to Danish Oil. Rustin's Polyurethane Varnish may be applied over Rustin's Danish Oil at any time and the product can also be used as a wood primer before applying undercoat. The surface must be clean before varnishing.
<i>Important Instructions for Exterior Wood</i>	Exterior wood will require re-oiling at least annually; horizontal surfaces and very exposed locations may require more frequent attention. Oak and softwoods are prone to weather staining caused by moisture activating mould spores present naturally in the wood. Extra coats will be required initially to effectively seal these timbers; especially areas of endgrain and up to 6 coats may be appropriate with regular maintenance coats.
<i>Shelf-life/Storage</i>	Many years if stored in original, tightly closed container in normal cool, dry conditions.
<i>Hazards</i>	Flammable. Avoid contact with eyes and skin. Use in a well ventilated area. Keep out of reach of children. Keep away from sources of ignition – no smoking. Keep container tightly closed. A full safety data sheet is available upon request. Important: Rags used for oiling should be laid out flat to dry; otherwise they may catch fire due to spontaneous combustion.
<i>Clean-Up</i>	Clean brushes with White Spirit or Rustin's Brush Cleaner whilst still wet. If dried on, clean brushes with Rustin's Brush Restorer.
<i>Sizes</i>	250ml 500ml 1litre 5litre 25 litre

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Product	Wood Dye
Type	Organic and inorganic pigments and binders, dispersed in hydrocarbon solvent.
Intended Use	For application to all types of bare wood, new and stripped, interior and exterior. The dye must be over-coated/sealed.
Special Features	11 natural wood shades, which can be inter-mixed. Non-fading. Non-bleeding. Does not raise the grain of the wood. Quick drying. Conforms to Safety of Toys Regulations BS EN 71 Part 3 1995.
Note	The final colour achieved depends on the original colour of the wood and the type of coating/finish applied over the dye.
Preparation	Wood must be clean, dry and free of wax and contaminants.
Application	Using a rag, apply an even, wet coat and wipe off any excess. The result will be much darker on softwoods than on hardwoods. For a lighter shade, dilute with White Spirit, 2 parts dye to 1 part White Spirit.
Coats	Usually 1 application is sufficient, or 2 for a darker colour.
Drying Time	1-2 hours under normal conditions, depending on the absorbency of the wood.
Re-coating Time	2-4 hours typically, but preferably overnight if applying acrylic water-based varnishes.
Application Temp.	Ideally 15-25°C.
Coverage	Up to 24 sq.m per litre, 1 coat, depending on the absorbency of the wood.
Compatibility	Can be used under all Rustins wood finishes, i.e. acrylic and polyurethane varnishes, Plastic Coating, Danish Oil and Teak Oil, French Polish/Shellac. Can be mixed with Rustins Polyurethane Varnish and Polyurethane Varnish Stain, Danish Oil and Teak Oil at up to 20%. Also with Plastic Coating at low conc. ~5% (test first). However, the best result is achieved by application of dye to bare wood.
Incompatibility	Cannot be mixed with Rustins Acrylics, French Polish and Shellac.
Wax Finishes	Dyed wood must be sealed before waxing, using Rustins Shellac Sanding Sealer .
Settlement	SHAKE AND STIR WELL BEFORE USE. Special note: To ensure the correct shade is obtained, it is advisable to stir the contents at the bottom of the container then shake well before use. If more than one container is to be used, these must be mixed together before use, to ensure no variation in shade.
Shelf-life/Storage	Many years if stored in original, tightly closed container, in a cool dry place.
Hazards	Flammable. Harmful. May cause lung damage if swallowed. Keep out of reach of children. Use only in well ventilated areas. If swallowed do not induce vomiting; seek medical advice immediately and show the container. Keep away from sources of ignition. A full Health & Safety Data Sheet is available upon request.
Clean-Up	Equipment can be cleaned using White Spirit.
Sizes	125ml 250ml 1 litre 5 litre