



FRENCH POLISH RANGE

LAN TECH – 15 / 2003

BUTTON FRENCH POLISH

BROWN FRENCH POLISH

WHITE FRENCH POLISH

DESCRIPTION:

LANGLOW's FRENCH POLISH RANGE is based high quality, naturally derived shellac resins prepared in fast drying alcohol solutions suitable for use on crafted timber fittings and furniture where there is a need to create or restore the traditional high gloss antique finish associated with this most traditional type of surface coating. The range available provides standard BROWN FRENCH POLISH as a traditional antique dark brown walnut or oak type colour, whereas BUTTON FRENCH POLISH is a warmer more rustic mahogany, drying to a deeper gloss finish with each coat. WHITE FRENCH POLISH is intended for use on paler timbers such as beech or sycamore where a light clear film is required. This pale cream solution will dry to a glossy clear finish, able to take additional darker top-coats. The application of repeat coats inevitably produce a deepening colour & higher sheen gloss finish, however the rapid drying properties of FRENCH POLISHES enable follow-up coats to be applied within one hour.

PREPARATION:

Ensure all timbers are structurally sound, smooth, clean, dry, conditioned to the installation environment and free from surface contamination. To ensure a wholly consistent finish with such fine laquers it is essential to ensure that any timbers previously treated with paint, varnish or any surface sealer are stripped back to bare wood before application. Prior to application, timbers should be fine sanded to a smooth finish with a fine abrasive paper and wiped clean of any excess material so they are completely free from any surface contaminants. Any timber stains should be applied to bare clean prepared timbers and allowed to dry. The prior application of SANDING SEALER reduce the effect of uneven grain texture and produce a more level sheen finish before proceeding to apply FRENCH POLISH. This work should only proceed in a dry environment where there is no risk of moisture or surface contamination affecting the timber either before or immediately after treatment.

APPLICATION:

LANGLOW FRENCH POLISH can be applied to the prepared timber surface using a fine "rubber", working with an even coating action over the timber to achieve a regular consistent finish. Care should be taken to avoid over-application and the film ideally should be thin and even to promote faster drying. Excess Polish or unintended runs should be wiped clear with a cloth dampened with Methylated Spirits to ensure a thin even layer is applied with each coat. Apply FRENCH POLISH with a "rubber" made by wrapping a piece of cotton wool within cotton or linen sheet. Pour the FRENCH POLISH onto the "rubber" and after squeezing off the excess liquid and dabbing on a few drops of RAW LINSEED OIL, work the polish in a circular motion, applying several coats and sandpapering lightly between dried coats if necessary. Finish by using straight even strokes. Allow 24 hours for the surface to harden after the last coat has been applied. Drying times will depend greatly upon timber porosity, temperature and humidity and care should be taken to avoid contact with treated surfaces until they are thoroughly dry to the touch. Generally on a smooth finished timber surface at a temperature of about 20°C, one coat of FRENCH POLISH evenly applied will take no more than about 30 minutes to dry in well-ventilated conditions.

COVERAGE:

Depending upon the texture and porosity of the timber, FRENCH POLISH when applied as a very thin single coat on a smooth planed hardwood surface will cover at the rate of about 100ml per square metre, either by brush, spray, rubber pad or smooth cloth method.

HEALTH & SAFETY:

HIGHLY FLAMMABLE and HARMFUL possible risk of irreversible effects, through inhalation, in contact with skin & if swallowed. Keep out of reach of children. Keep away from sources of ignition - NO SMOKING. Do not breathe vapour. If swallowed do not induce vomiting: seek immediate medical attention and show the label or safety data sheet.

STORAGE & PACKAGING:

LANGLOW FRENCH POLISH is available in 500ml, 1 litre, 2.5 litre, & 5 litre containers. Store in cool, well-ventilated conditions and do not expose to extreme temperatures or sources of ignition. Should further more specific technical information be required, contact the Palace Technical help-line on 0151 486 6101.

The information provided by this Technical data sheet is given in good faith and is to the best of our current knowledge true and accurate. However it is given without guarantee, as conditions of use and workmanship involved are both beyond our control. All information supplied is subject to the company's terms and conditions of sale, copies of which are available on request.

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SUBSTANCE IDENTIFICATION:

BUTTON / FRENCH POLISH

COMPOSITION:

Shellac resin
Ethanol R11
CAS 64-17-5
< 5% Methanol
CAS 67-56-1

HAZARDS CLASSIFICATION:

HIGHLY FLAMMABLE & HARMFUL
Possible risk of irreversible effects by inhalation and if swallowed
Keep out of reach of children
Keep container tightly closed
Keep away from sources of ignition – No smoking.
If swallowed do not induce vomiting – seek medical assistance.
Do not breathe vapour. Avoid contact with skin and eyes.

FIRST AID MEASURES:

INHALATION:

Avoid working in a poorly ventilated, confined space. Remove to fresh air and rest. If irritation or breathing difficulties persist, seek medical attention.

SKIN CONTACT:

Wash off skin with warm soapy water. Remove contaminated clothing and launder regularly. Prolonged and unattended contact should be avoided. Where irritation to skin is apparent seek medical attention.

INGESTION:

Clean out mouth with copious volumes of water and drink plenty. Do not induce vomiting. Beware of aspiration if vomiting occurs. Seek prompt medical attention and show this data sheet.

EYE CONTACT:

Irrigate thoroughly for 15 minutes with clean running water or a boric saline eye wash bottle. Seek medical attention should eye irritation persist or become inflamed.

FIRE FIGHTING MEASURES:

Recommended extinguishers – Dry powder; Foam, C02 – Do not use water jets.
Hazardous decomposition when subject to combustion – will produce noxious, irritating fumes.
Special procedures – Use approved self-contained breathing apparatus. Only use a fine water spray to cool down heat affected containers – not burning product.

ACCIDENTAL RELEASE MEASURES:

Ventilate area and eliminate all sources of ignition. Absorb, bund and scrape spillages onto sand, sawdust or absorbent granules and confine residues in a clearly marked sealed container for disposal in accordance with Local Authority regulations for flammable products. Consult Protective Equipment section for advice when handling spillages.

HANDLING & STORAGE:

Handling: Ensure adequate ventilation and use all recommended personal protective equipment
Storage: Store in well-sealed, clearly marked containers. Keep out of reach of children in a cool well-ventilated environment preferably within a lockable metal cabinet. Use electrostatic earthing when pumping or pouring large volumes of flammable liquid. Isolate all nearby source of ignition (pilot lights etc.)

EXPOSURE CONTROL / PERSONAL PROTECTIVE EQUIPMENT:

Occupational Exposure limit: 1000ppm for 8hr TWA for Ethanol; 200ppm for Methanol – [$< 5\%$]

Respiratory: Good ventilation is required otherwise use an organic vapour filtered face mask in confined spaces.

Hand: Wear 17" long elbow length latex rubber (chlorinated) or nitrile gloves approved to EN 374 & EN 420 with a BTT rating of > 4 hrs.

Eye: BS 2092 Goggles should be worn for all applications to help prevent accidental face/eye contact

Skin: A disposable PVC apron should be worn on top of overalls, however if the fabric becomes contaminated these should be laundered immediately.

SAFETY DATA SHEET No. 133 – issue date 24-06-03

PRODUCT: **BUTTON / FRENCH POLISH**

PHYSICO-CHEMICAL PROPERTIES:

Appearance – Dark brown liquid	Viscosity - 50 - 75 mm ² /sec
Boiling point range – from 78°C	Odour - distinctive alcohol based odour
Solubility – All polar solvents and partially in water	Flash point - 13°C
Auto ignition temp – 422°C	Flammability - lower limit = 4.3% by vol
Specific gravity - 0.84 - 0.86 g/cm ³	Flammability - upper limit = 19% by vol
Miscibility – oil and water	PH - n/a
Evaporation rate - = 0.75 (n-But Ac = 1)	Oxidising properties - N/A

STABILITY & REACTIVITY:

Stable – No dangerous chemical reactions known – hazardous polymerisation will not occur.
Materials to avoid – Strong oxidising agents.
Conditions to avoid – sources of ignition - Hazardous decomposition products are smoke and oxides of carbon.

TOXICOLOGICAL INFORMATION:

Routes of exposure – Inhalation, skin contact and ingestion.
Health effect – prolonged inhalation may cause headaches and Depression of the CNS.
Acute effects of inhalation – Narcotic effect. Ingestion - may lead to severe internal injury, liver damage and blindness
Acute effects of skin contact – redness, irritation and sensitisation leading to dermatitis with persistent exposure.

Acute toxicity: ingestion	Sensitisation: n/a	Carcinogenicity: n/a
Irritation: Eye contact	Mutagenicity: n/a	Reproductive toxicity: n/a

ECOLOGICAL INFORMATION:

Bio-accumulative potential – negligible due to high volatility resulting in rapid evaporation to air.
Ecotoxicity: no data available
Environmental Persistence – Inherently biodegradable - Will be removed within a waste-water treatment facility.

DISPOSAL CONSIDERATIONS:

Application equipment such as brushes and cloths will retain a flammability risk until they are either laundered or allowed to dry completely. Unused product and freshly contaminated application materials must be considered flammable and disposed of in accordance with local authority regulations for flammable liquids / paints.

TRANSPORT INFORMATION:

IMDG: PAINT, CLASS 3, UN1263, PGII, (14°C cc), MARINE POLLUTANT
IATA / IACO: Class 3; Packing Group II; ADR / RID UN1263 PAINT, 3, PGII.
Transport Name (UK Road) – Paint
EAC No/ HIN No: 3YE/33

REGULATORY INFORMATION:

CHIP Hazard symbols: R11; R68/20/21/22. – Highly Flammable; Harmful;
Possible risk of irreversible effects by inhalation; in contact with skin & if swallowed.
Safety phrases: S1/2 – S7 – S16 – S24 – S25 – S36/37.
Other regulatory controls: Health & Safety @ Work Act 1974; Control of Substances Hazardous to Health Regulations 1994. Environmental Protection Act 1990.

FURTHER INFORMATION:

The information supplied in this safety data sheet is intended to assist in the use of the above product without risk to safety and health and is based on current knowledge and experience of the associated physico-chemical hazards. The data does not signify any warranty with regard to the product's properties. This information may be used to assist in formulating a COSHH risk assessment if applied at work. This data sheet complies with EC Directive 91/155EC.