

Product Data Sheet



0171/000 – 0198/300 : Light Fast Stains 100/ - 110/ : Special Colour Light Fast Stains

Code	Description	Code	Description
0171/000	Violet	0181/600	Repro. Mahogany
0172/000	Black	0182/000	Golden Oak
0174/000	Light Blue	0182/100	Light Oak
0175/000	Red	0182/200	Medium Oak
0176/000	Blue	0182/300	Dark Oak
0177/000	Orange	0182/400	Jacobean Oak
0178/000	Yellow	0188/000	Teak
0180/001	New Green	0190/000	Walnut
0181/000	Mahogany	0191/000	Yew
0181/100	Natural Mahogany	0191/100	Antique Yew
0181/200	Brown Mahogany	0198/000	Antique Pine
0181/300	Dark Mahogany	0198/100	Honey Pine
0181/400	Plum Mahogany	0198/200	Victorian Pine
0181/500	New Rosewood	0198/300	Stripped Pine

Technical Data	A range of fast drying alcohol-based stains suitable for hand, spray or dip application. The standard range consists of popular primary colours and a selection of the most widely used wood colours.
Properties	Formulated to provide excellent definition and depth of colour. This range is also suitable for tinting Morrells Precatalyst and Acid Catalyst lacquers up to a maximum of 5% by volume (AC's should be catalysed prior to tinting).
Colour Matching	Morrells provides a bespoke colour matching service for this type of stain and all the other stains on our range. All requests for special colours should be accompanied by a sufficient quantity of the timber to be used for the actual job plus full details of application method and finishing system to be employed.
Typical Handling	Drying/Recoat time: 10 mins minimum @ 18°C. Packing time: Overnight minimum dependent on conditions.
Cleaning	0170/000 or Methylated Spirit should be used for equipment thinning and cleaning.
Coverage	Approximately 40m ² per 5Lts dependent upon the size, orientation and surface quality of the item being coated.
Application Guidelines	<i>Substrate Preparation:</i> The substrate should be pre-sanded with 180 Grit paper prior to stain application to avoid problems such as patchy or uneven drying. <i>Hand Staining:</i> Use a soft, white, lint-free cloth. Avoid using coloured or printed rags as the dyes used in printing can bleed into the stain and cause discolouration. Apply the stain wet to the whole surface to avoid uneven penetration and then remove excess with a clean cloth.

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This information is provided in good faith and without prejudice

	<p>For larger surfaces it may be appropriate to apply the stain in sections. Always work along the grain when cleaning off, and leave a minimum of 10 minutes to dry before application of finishing coats.</p> <p><i>Spray Application:</i> Spray apply an even wet coat and remove excess with a soft, white, lint-free cloth. When dry spraying ensure an even coat is applied and that the gun strokes follow the grain of the timber. Dry spraying needs a certain skill level, and if undertaken incorrectly can lead to patchiness and 'striping'. The wiping-off process can enhance the evenness of the colour and highlight the grain definition and the natural figuring of the substrate. Thinning with 50% Methylated Spirit can assist in controlling the spray staining operation, but may change the tone or strength of shade.</p> <p><i>Dip Application:</i> Plunge or controlled dip can be undertaken and it is advisable to wipe excess stain off with a clean, white, lint-free cloth to achieve an even degree of staining.</p> <p>These stains should not be used under brush-applied lacquers – lifting or dragging of the stain can occur.</p>
Important Information	<ul style="list-style-type: none"> ➤ Always order enough stain to complete the contract as natural batch-to-batch variance does occur. ➤ Morrells Light Fast, Classique and Water Stains are manufactured on different dyestuffs to unique formulations and as a consequence are not designed to be an exact replication of each other. If switching from one stain type to another always undertake a colour check prior to use. ➤ Variances in timber can change the appearance of a stain – always approve the colour on the actual timber being used. ➤ Product should be stored above 5°C and protected from frost. ➤ Optimum application is achieved between 18°C and 22°C with good air movement and ventilation. ➤ Finished products should not be subjected to environments with temperatures of < 2°C. ➤ Out of scope with 2004/42/EC.
Health & Safety	<p>Reference should be made to the appropriate MSDS for this product range, which can be found at www.morrells.co.uk</p> <p>The use of appropriate personal protection equipment (PPE) is recommended</p> <p>These products are intended for professional use only.</p>

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SAFETY DATA SHEET

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

Identification of the substance or preparation:

Name: 0170/ TO 0198/ AND 100/ TO 110/.

Product code: LF STAINS.

Company/undertaking identification:

Registered company name: Morrells Woodfinishes Ltd.

Address: Wellington Works, Mill Lane, Woodley.SK6 1RN.Stockport.Cheshire.

Telephone: 0161 406 5300. Fax:0161 406 6276. Telex:.

sales@morrells-woodfinishes.com

www.morrells-woodfinishes.com

Emergency telephone: .

Association/Organisation: .

Use of the substance/preparation:

Paint Product. Intended for professional users. Please refer to the Technical data sheet.

2 - COMPOSITION/INFORMATION ON INGREDIENTS

Full text of risk phrases appearing in section 2: see section 16.

Hazardous substances present on their own:

(present in the preparation at a sufficient concentration to give it the toxicological characteristics it would have in a 100% pure state)

This preparation contains no hazardous substance in this category.

Other substances representing a hazard:

INDEX	CAS	EC	Name	Symb.	R:	%
603-001-00-X	67-56-1	200-659-6	METHANOL	T F	T; R23/24/25 R39/23/24/25 F;R11	2.5 <= x % < 10
603-016-00-1	123-42-2	204-626-7	DIACETONE ALCOHOL	Xi	Xi;R36	10 <= x % < 25

Substances present at a concentration below the minimum danger threshold:

No known substance in this category present.

Other substances with occupational exposure limits:

INDEX	CAS	EC	Name	Symb.	R:	%
603-002-00-5	64-17-5	200-578-6	ETHANOL	F	F;R11	25 <= x % < 50

3 - IDENTIFICATION OF HAZARDS

This product is classed: Highly flammable liquid.

Possibility of irreversible effects by inhalation, contact with the skin and swallowing.

Possibility of irritation to the eyes.

Possibility of noxious effects with symptoms of slight poisoning by inhalation, contact with the skin and swallowing.

Preparation classification:

Harmful.



R 36

Highly flammable.



Irritating to eyes.

R 20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
R 11	Highly flammable.
R 68/20/21/22	Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed.

4 - FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing in an unconscious person.

In the event of exposure by inhalation:

If a large quantity is inhaled, move the patient into the fresh air and keep him/her warm and still.

If breathing is irregular or has stopped, effect mouth-to-mouth resuscitation and call a doctor.

Do not give the patient anything orally.

In the event of splashes or contact with eyes:

Wash thoroughly with soft, clean water for 15 minutes holding the eyelids open.

Refer the patient to an ophthalmologist, in particular if there is any redness, pain or visual impairment.

Regardless of the initial state, refer the patient to an ophthalmologist and show him the label.

In the event of splashes or contact with skin:

Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.

DO NOT use solvents or thinners.

If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital

In the event of swallowing:

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water, administer activated medical charcoal and consult a doctor.

Keep still. DO NOT induce vomiting.

Consult a doctor and show him the label.

Call a doctor immediately and show him the label.

5 - FIRE-FIGHTING MEASURES

Chemical powders, carbon dioxide and other extinguishing gas are suitable for small fires.

Suitable extinguishing media:

Special foams for polar liquids (known as alcohol resistant), powders, carbon dioxide.

In the event of fire, use specifically suitable extinguishing agents. Never use water.

Extinguishing media which must not be used for safety reasons:

Water is not generally recommended since it can be ineffective; however, it can be used successfully to cool containers exposed to the fire and to disperse fumes.

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

Prevent the effluent of fire-fighting measures from entering drains or waterways.

Special protective equipment for fire-fighters:

Fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

6 - ACCIDENTAL RELEASE MEASURES

Personal precautions:

Avoid inhaling the vapors.

Avoid any contact with the skin and eyes.

Consult the safety measures listed under headings 7 and 8.

Environmental precautions:

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

Use drums to dispose of waste recovered in accordance with applicable regulations (see heading 13).

If the product contaminates waterways, rivers or drains, alert the relevant authorities in accordance with statutory procedures

Methods for cleaning up:

Clean preferably with a detergent, do not use solvents.

7 - HANDLING AND STORAGE

The regulations relating to storage premises apply to workshops where the product is handled.

Handling:

Handle in well-ventilated areas.

Prevent the formation of flammable or explosive concentrations in air and avoid vapor concentrations higher than the occupational exposure limits.

Fire prevention:

Prevent the accumulation of electrostatic charges with connections to earth

The preparation may become electrostatically charged; always place on the ground during transfer. Wear antistatic shoes and clothes and make floors of conductive materials.

Use the product in premises where there are no naked flames or other sources of ignition and have protected electrical equipment

Keep packages tightly closed and away from sources of heat, sparks and naked flames.

Do not use tools which may produce sparks. Do not smoke.

Prevent access by unauthorised personnel.

Recommended equipment and procedures:

For personal safety, see §8.

Observe precautions stated on label and also industrial safety regulations

Avoid inhaling solvent vapors and spray-gun aerosols

Avoid inhaling vapors.

Where the personnel must carry out work in a booth, whether for spraying or otherwise, the ventilation may be inadequate to control particles and solvent vapors in every case.

It is therefore recommended that personnel wear masks with a compressed air supply during spraying operations until the concentration of particles and solvent vapors has fallen below the exposure limits.

Avoid contact of product with the skin and eyes

Prohibited equipment and procedures:

Smoking, eating and drinking are prohibited in premises where the preparation is used

Never open the packages under pressure

Storage:

Keep the container tightly closed in a dry, well-ventilated place

Keep away from food and drink, including those for animals.

Keep away from all sources of ignition - do not smoke.

Keep well away from all sources of ignition, heat and direct sunlight

The storage and use of this product is subject to the Dangerous Substances and Explosives Atmospheres Regulations (DSEAR).

The principles contained in HSE guidance note Chemical Warehousing: The storage of Packaged Dangerous Substances should also be observed.

8 - EXPOSURE CONTROLS/PERSONAL PROTECTION



Use personal protection equipment as per Directive 89/686/EEC.

Exposure limit values (2003-2006):

UK/WELs	TWA:	STEL:	Ceiling:	Definition:	Criterion:
123-42-2	50 ppm	75 ppm	-	-	-
64-17-5	1000 ppm	-	-	-	-
67-56-1	200 ppm	250 ppm	-	-	-
UK/OES	TWA:	STEL:	Ceiling:	Definition:	Criterion:
123-42-2	50 ppm	75 ppm	-	-	-
64-17-5	1000 ppm	-	-	-	-
67-56-1	200 ppm	250 ppm	-	-	-

Respiratory protection:

With this preparation, avoid in particular any inhalation of vapors.

Anti-gas filters :

Hand protection:

Protective creams may be used for exposed skin, but they should not be applied after contact with the product.

In the event of prolonged or repeated contact with the hands, use appropriate gloves.

Type of gloves recommended :

- Butyl rubber

Eye and face protection:

Avoid contact with eyes.

Wear safety goggles.

Provide eye washes in workshops where the product is constantly handled

Skin protection:

For further information, see § 11 of S.D.S. - Toxicological information.

9 - PHYSICAL AND CHEMICAL PROPERTIES

General information:

Physical state: viscous liquid

Important health, safety and environmental information:

pH of the substance or preparation: neutral.

When a pH measure is possible, it has a value of: not stated.

Boiling point/boiling range: not specified.

Flash point interval: Flash point: <= 21°C.

vapour pressure: Below 110 kPa (1.10 bar).

Density: > 1

water solubility: Insoluble.

Other information:

melting point/melting range: not specified.

Self-ignition temperature: not specified.

Decomposition point/decomposition range : not specified.

10 - STABILITY AND REACTIVITY

Any apparatus likely to produce a flame or to have a metallic surface at high temperature (burners, electric arcs, furnaces etc.) must not be allowed on the premises.

Hazardous decomposition products:

In a fire, hazardous decomposition products such as smoke, carbon monoxide, carbon dioxide and oxides of nitrogen may be produced

11 - TOXICOLOGICAL INFORMATION

No data is available regarding the preparation itself.

Splashes in the eyes may cause irritation and reversible damage

It is generally agreed that substances contained carry, on inhalation, exposure to skin and swallowing, the risk of noxious, irreversible, non-lethal effects after a single exposure

It is generally agreed that substances contained are likely to cause, when applied to the eye of an animal, the appearance of major lesions which persist for at least twenty-four hours

Other data:

The product has been assessed following the conventional method in CHIP and is classified for toxicological hazards accordingly. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the product may lead to removal of natural fats from the skin, resulting in non-allergic contact dermatitis and absorption through the skin. Splashes in the eyes may cause irritation and reversible local damage. Ingestion may result in the following effects: sore throat, abdominal pain, drowsiness, nausea.

Exposure to organic solvent vapours in excess of the stated occupational exposure limit may result in adverse health effects, such as irritation of the mucous membrane and the respiratory system and adverse effects on renal and central nervous systems. Symptoms include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

12 - ECOLOGICAL INFORMATION

No ecological data on the product itself is available.

The product must not be allowed to run into drains or waterways.

The product has been assessed following the conventional method in CHIP and is classified for ecological hazards accordingly. See sections 3 & 15 for details

Other adverse effects:

Germany: WGK 1 (VwVwS vom 17/05/99, KBws)

13 - DISPOSAL CONSIDERATIONS

Do not pour into drains or waterways.

Waste:

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging:

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

14 - TRANSPORT INFORMATION

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2005 - IMDG 2004 - ICAO/IATA 2005).

UN1263=PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound)

ADR/RID	Class	Code	Pack gr.	Label	Ident.	LQ	Provis.
	3	F1	II	3	33	LQ6	163-650-640D



IMDG	Class	2° Label	Pack gr.	LQ	EMS	Provis.		
	3	-	II	5 L	F-E,S-E	163 944		
IATA	Class	2° Label	Pack gr.	Passager	Passager	Cargo	Cargo	note
	3	-	II	305	5 L	307	60 L	A3 A72
	3	-	II	Y305	1 L	-	-	-

15 - STATUTORY INFORMATION

This preparation was classified in compliance with the directive known as <All preparations> 1999/45/EC and its adaptations. In addition directive 2004/73/EC with the 29° adaptation of directive 67/548/EEC (Hazardous substances) have been taken into account.

Preparation classification:

Harmful.



Highly flammable.



Contains:

603-001-00-X
603-016-00-1

METHANOL
DIACETONE ALCOHOL

Particular hazards associated with the preparation and safety recommendations:

R 36	Irritating to eyes.
R 20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
R 11	Highly flammable.
R 68/20/21/22	Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed.
S 23	Do not breathe fumes, vapour or spray.
S 36/37	Wear suitable protective clothing and gloves.
S 16	Keep away from sources of ignition - no smoking.
S 26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S 7/9	Keep container tightly closed and in a well-ventilated place.

Particular provisions:

Germany: WGK 1 (VwVwS vom 17/05/99, KBws)

16 - OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The product must not be used for any purposes other than those specified under heading 1 without first obtaining written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information given on this safety data sheet must be regarded as a description of the safety requirements relating to our product and not a guarantee of its properties

Full text of risk phrases appearing in section 2:

R 11	Highly flammable.
R 23/24/25	Toxic by inhalation, in contact with skin and if swallowed.
R 36	Irritating to eyes.
R 39/23/24/25	Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.