

Product Data Sheet



3055/00X Range : Shellac Sealers

Code	Description	Application
3055/001	Brown Shellac Sealer	A brown tinted high bodied material for use on darker coloured substrates
3055/002	White Shellac Sealer	A high bodied material for use on light coloured substrates. It should not be used on dark timbers, as a slight bleaching effect will occur.
3055/004	Heavy White Sealer	An extra high viscosity material for use on light coloured substrates. It should not be used on dark timbers, as a slight bleaching effect will occur.

Technical Data	<p>This range of high bodied materials is formulated on carefully selected combinations of Quality Shellacs, Ethyl Alcohols and sanding agents.</p> <p>They should not be used in high quality polishing applications as the sanding agents may affect the adhesion and clarity of the final film.</p>
Properties	These products are intended as use as sealers prior to the application of traditional French Polishes.
Mixing Guidelines	Supplied ready for use (RFU) but can be thinned with 3007/000 - Shellac Thinners or R034 Methylated Spirits if required.
Application Guidelines	<p>These materials may be applied directly onto the substrate by either brush, mop or 'fad'.</p> <p>A 'fad' is the wadding pad taken from a well used rubber, which should be free from loose cotton fibres. Fad are often charged with various colours and retained for applying thin coats of colour to change the overall tone of the work.</p>
Important Information	<ul style="list-style-type: none"> ➤ Recoat these products with Traditional French Polishes only. ➤ 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>

For further technical information contact our Technical Support Team on 0161 406 5300

This information is provided in good faith and without prejudice



SAFETY DATA SHEET

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

Identification of the substance or preparation:

Name: SHELLAC SEALERS.
Product code: 3055 RANGE.

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
603-006-00-7	30899-19-5	250-378-8	PENTANOL ISOMERS, WITH THE EXCEPTION FO THOSE SPECIFIED ELSEWHERE IN THIS ANNEX	Xn	Xn; R20 Xi; R37 R10 R66	0 <= x % < 2.5

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	50 <= x % < 100

Other components:

INDEX	CAS	EC	Name	Symb.	R:	%
649-356-00-4	64742-95-6	265-199-0	SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM.	Xn	Xn;R65	0 <= x % < 2.5

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

Preparation classification:

Harmful.



R 20/21/22

R 11

R 68/20/21/22

Highly flammable.



Harmful by inhalation, in contact with skin and if swallowed.

Highly flammable.

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.

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.

If swallowed accidentally, call a doctor to assess the need for monitoring and subsequent treatment in hospital. Show him the label.

5 - FIRE-FIGHTING MEASURES

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

Suitable extinguishing media:

Carbon dioxide, chemical powders, foams, and other extinguishing gases.

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:

- On account of the organic solvents contained in the preparation, eliminate sources of ignition and ventilate the premises.
- 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.
- The vapors are denser than air. They can spread along the ground and form explosive mixtures with air
- 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
- Packages which have been opened must be reclosed carefully and stored in an upright position
- Avoid inhaling vapors.
- 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 floor must be impermeable and form a collecting basin so that, in the event of an accidental spillage, the liquid cannot spread beyond this area.

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.

Technical measures:

Ensure adequate ventilation, if possible with extractor fans at work posts and appropriate general extraction.

If this ventilation is insufficient to maintain the concentration of solvent vapors below the exposure limits, wear breathing apparatus

Exposure limit values (2003-2006):

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

- A1,A2,A3 (brown)

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 :

- Nitrile
- PVA (polyvinylalcohol)

Eye and face protection:

Use eye protectors designed to protect against liquid splashes

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: $\leq 21^{\circ}\text{C}$.

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

When exposed to high temperatures, the preparation may release dangerous decomposition products such as carbon monoxide and dioxide, smoke and nitrogen oxide

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.

11 - TOXICOLOGICAL INFORMATION

No data is available regarding the preparation itself.

Exposure to vapors from solvents contained in the preparation beyond the exposure limits stated may produce effects harmful to health, such as:

Irritation of mucous membrane and respiratory system, kidneys, liver and central nervous system.

Symptoms produced will include headaches, numbness, dizziness, fatigue, muscular asthenia and, in extreme cases, loss of consciousness.

Prolonged or repeated contact with the preparation may strip the skin of its natural oil and thus cause non-allergic dermatitis on contact and absorption through the epidermis.

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

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.

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
603-006-00-7

METHANOL
PENTANOL ISOMERS, WITH THE EXCEPTION OF THOSE SPECIFIED ELSEWHERE IN THIS ANNEX

Particular hazards associated with the preparation and safety recommendations:

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 36/37	Wear suitable protective clothing and gloves.
S 16	Keep away from sources of ignition - no smoking.
S 23	Do not breathe fumes, vapour or spray.
S 24	Avoid contact with skin.
S 62	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.
S 7/9	Keep container tightly closed and in a well-ventilated place.
S 51	Use only in well-ventilated areas.

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 10	Flammable.
R 11	Highly flammable.
R 20	Harmful by inhalation.
R 23/24/25	Toxic by inhalation, in contact with skin and if swallowed.
R 37	Irritating to respiratory system.
R 39/23/24/25	Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
R 65	Harmful. may cause lung damage if swallowed.
R 66	Repeated exposure may cause skin dryness or cracking.

Product Data Sheet



3007/000: Shellac Thinners

Code	Description
3007/000	Shellac Thinners

Technical Data	<p>A quality blend of "virgin" alcohol solvents formulated to reduce the consistency/viscosity of Shellac solutions and French Polishes. It is also an ideal blend for the professional polisher to dissolve Shellac Flake to produce their own polishes.</p>
Important Information	<ul style="list-style-type: none"> ➤ The use of non-recommended and/or inappropriate thinners can cause problems such as uneven/patchy drying, cracking, lifting and whitening of the lacquer film. ➤ Optimum application is achieved between 18°C and 22°C with good air movement and ventilation. ➤ Product should be stored above 5°C and protected from frost. ➤ 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, which can be found at www.morrells.co.uk</p> <p>The use of appropriate personal protection equipment (PPE) is recommended.</p> <p>This product is intended for professional use only.</p>

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