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1. Scope of Works / Description of Systems of Plant & Equipment





Central Contractors Ltd

Commercial Industrial Residential Heritage



Unit 1, Central Drive,
Bloxwich, West Midlands,
WS3 2QJ

P23-025 PANNATONI POYLE 80

O & M

CENTRAL CONTRACTORS LIMITED

Walls:-

Dulux Diamond Matt Swansdown

Ceilings:-

Dulux light and space Vinyl Matt

Woodwork-

Morrells 40% Sheen



info@centralcontractors.co.uk



0800 669 6604



www.centralcontractors.co.uk



2. Suppliers and Manufacturers Directory





O&M – Winvic – Poyle Panattoni

Walls – Dulux Diamond Matt – Swansdown

Ceilings / Margins / Stair Soffits – Dulux Vinyl Matt Light & Space – Absolute White

Joinery – Morrels Satin Lacquer

Exposed Steel – Zinsser Allcoat Satin – RAL 7016





3. Manufacturers Information



DIAMOND MATT

Dulux Trade Diamond Matt is a tough, water-based matt emulsion paint that uses **Diamond Technology** from **Dulux Trade**, making it 10 times tougher than **Dulux Trade** Vinyl Silk and **Dulux Trade** Vinyl Matt. It also features Stain Repellent Technology, actively repelling stains that come into contact with the surface and ensuring ease of cleaning. Ideal for high traffic areas such as stairwells and hallways.

KEY BENEFITS

- Actively Repels Stains
- Superior Durability
- Scrubbable Matt Finish

PRODUCT INFORMATION

Typical Use

Suitable for interior use on all normal interior wall and ceiling surfaces, especially those subject to high traffic. When overcoating areas previously painted with solvent-based paints, a first coat of **Dulux Trade** Diamond Eggshell should be used.

Pack Size

1L, 2.5L and 5L.

Colour Range

See appropriate **Dulux Trade** colour literature or visit duluxtrade.co.uk.

Film Properties

Chemical Resistance: Not suitable.

Heat Resistance: Not suitable for use on heated surfaces, such as radiators.

Water Resistance: Resistant to the levels of atmospheric humidity present in normal interior environments and will withstand repeated washing. Suitable for use in kitchens and bathrooms. Not suitable for use on immersed surfaces or where there is heavy and prolonged condensation.

Composition (nominal)

Pigment: Lightfast Pigments.

Binder: Acrylic Copolymer Emulsion.

Solvent: Water.

Volume Solids

White – 41% (nominal). Other colours will vary.

SURFACE PREPARATION

To get the best results with **Dulux Trade** Diamond Matt, make sure surfaces to be painted are sound, clean, dry (new surfaces particularly must be fully dry).

Remove all loose and defective paint. Special precautions should be taken during surface preparation of pre-1960s paint surfaces over

DIAMOND MATT

wood and metal as they may contain harmful lead.

Where necessary, wash the surface to remove dirt, grease and powdery or dusty residues. Rinse with clean water and allow to dry. Seal surfaces that remain powdery after thorough preparation with an appropriate plaster sealer such as **Dulux Trade** Stain Block Primer.

Where necessary, rub down and then wipe off with a damp, lint free cloth to avoid dust. Any surface defects should be filled with the appropriate **Polycell** Trade **Polyfilla**.

SYSTEMS INFORMATION

STIR THOROUGHLY BEFORE USE. Seal new or bare surfaces with a thinned first coat of **Dulux Trade** Diamond Matt (up to 1 part clean water to 10 parts paint). The normal finishing process is 2 coats of **Dulux Trade** Diamond Matt, but on previously painted surfaces in good condition where similar colours are used, 1 coat may be sufficient.

For best colour consistency, purchase sufficient tinted paint for each job including touch-in at one time from the same source.

APPLICATION METHOD

Brush, roller, conventional spray or airless spray.

As with other water-based paints, do not apply in temperatures below 8°C (as recommended by British Standard BS 6150).

Practical Coverage

A guide to the practical coverage which can be achieved under normal conditions is up to 16m² per litre.

Thinning

Sealing new or bare surfaces: Add up to 1 part clean water to 10 parts paint.

Normal use (not to be exceeded): Thinning is not usually required.

Conventional spray application: Add up to 1 part clean water to 5 parts paint.

Airless spray application: Thinning is not usually required.

Spray Recommendations

Conventional Spray: Satisfactory through most equipment.

Airless Spray: A typical set up for airless spray would be a minimum working pressure on paint of 133 bars (2000lb/sq in) with a spray tip size 0.38mm (15 thou) and a spray tip angle of 65°.

Drying Times

Single coat at standard thickness:

Touch Dry: Dependent on temperature and humidity.

Recoat: 4-6 hours.

Cleaning Up

After use, remove as much product as possible from equipment before cleaning with water.



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447

DIAMOND MATT

When this paint container is empty please ask your stockist about recycling. If you have leftover paint, please dispose of it responsibly and consider donating it to **Community RePaint**. Find out more at duluxtrade.co.uk/pp.

Cleaning Recommendations for Painted

Surface: Common stains can be removed by cleaning promptly with a soft cloth and clean soapy water. Allow to dry. Vigorous scrubbing and the use of abrasive cleaners or scourers may impair the matt finish. Only apply enough pressure to remove marks. Oil based stains and marks from some pens/felt tips/permanent markers may not be completely removed. Full durability develops 7 days after initial application. For information about removing specific stains,

please phone the **AkzoNobel** Technical Advice Centre on [0333 222 70 70](tel:03332227070).

Transportation & Storage

Do not use or store in extremes of temperature and protect from frost. To prevent spillage, please store and transport upright.

VOC

EU limit value for this product (cat.: A/a): 30g/l (2010).

Ready Mixed: This product contains max. 7g/l VOC. VOC content: Low (0.30-7.99%).

Tinted Colour: This product contains max. 15g/l VOC. VOC content: Low (0.30-7.99%).

FURTHER SUPPORT

If you need further support, please contact the **AkzoNobel** Technical Advice Centre on [0333 222 70 70](tel:03332227070).

Always read full Health, Safety & Environmental Information on can before use.

Safety datasheet (SDS 447) is available free on request by telephoning the **AkzoNobel** Technical Advice Centre or by visiting duluxtrade.co.uk.

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At **Dulux Trade**, we believe by working with our customers we can reduce waste and do more with the resources we have. Together we can create a better future for our planet. Join us at duluxtrade.co.uk/pp

AkzoNobel

VINYL MATT LIGHT & SPACE

Dulux Trade Vinyl Matt Light & Space uses revolutionary **Lumitec** technology that helps reflect up to twice* as much light around the room, making even the smallest rooms look and feel more spacious compared to our conventional emulsion paints with a similar hue (colour family) and chroma (intensity of colour).

*The light reflectance value is always greater than our conventional emulsion paints but may not reflect twice as much light in every case, depending on the colour chosen.

KEY BENEFITS

- Light Reflective
- Coverage up to 17m² Per Litre
- Reflects up to Twice as much Light*

PRODUCT INFORMATION

Typical Use

Suitable for interior use on all normal interior wall and ceiling surfaces. In areas of heavy condensation, such as some kitchens and bathrooms, **Dulux Trade Diamond Eggshell Light & Space** is more suitable. For interior areas that are likely to suffer from mould growth, use **Mouldshield Fungicidal Eggshell*** from **Dulux Trade**.

Pack Size

5L.

Colour Range

See appropriate **Dulux Trade** colour literature or visit duluxtrade.co.uk.

Film Properties

Chemical Resistance: Not suitable.

Heat Resistance: Not suitable for use on heated surfaces, such as radiators.

Water Resistance: Where frequent heavy condensation is likely, as in some kitchens and bathrooms, **Dulux Trade Diamond Eggshell Light & Space** is more suitable.

Composition (nominal)

Pigment: Lightfast Pigments.

Binder: Acrylic Copolymer Emulsion.

Solvent: Water.

Volume Solids

White – 33% (nominal). Other colours will vary.

SURFACE PREPARATION

To get the best results with **Dulux Trade Vinyl Matt Light & Space**, make sure surfaces to be painted are sound, clean, dry (new surfaces particularly must be fully dry).

Remove all loose and defective paint. Special precautions should be taken during surface preparation of pre-1960s paint surfaces over wood and metal as they may contain harmful lead.

Where necessary, wash the surface to remove dirt, grease and powdery or dusty residues. Rinse with clean water and allow to dry. Seal surfaces that remain powdery after thorough preparation with an appropriate plaster sealer.

Where necessary, rub down and then wipe off with a damp, lint free cloth to avoid dust.

Any surface defects should be filled with the appropriate **Polycell Trade Polyfilla**.

SYSTEMS INFORMATION

STIR THOROUGHLY BEFORE USE. Seal new or bare surfaces with a thinned first coat of **Dulux Trade Vinyl Matt Light & Space** (up to 1 part clean water to 5 parts paint). The normal finishing process is 2 full coats of **Dulux Trade Vinyl Matt Light & Space** but on previously painted surfaces in good condition where similar colours are used, 1 coat may be sufficient.

For best colour consistency, purchase sufficient tinted paint for each job including touch-in at one time from the same source.

APPLICATION METHOD

Brush, roller, conventional spray or airless spray.

As with other water-based paints, do not apply at temperatures below 8°C (as recommended by British Standard BS 6150).

VINYL MATT LIGHT & SPACE

Practical Coverage

A guide to the practical coverage which can be achieved under normal conditions is up to 17m² per litre.

Thinning

Sealing new or bare surfaces: Add up to 1 part clean water to 5 parts paint.

Normal use (not to be exceeded): Add up to 1 part clean water to 10 parts paint.

Conventional spray application: Add up to 1 part clean water to 2.5 parts paint.

Airless spray application: Add up to 1 part clean water to 5 parts paint.

Spray Recommendations

Conventional Spray: Satisfactory through most equipment.

Airless Spray: A typical set up for airless spray would be a minimum working pressure on paint of 133 bars (2000lb/sq in) with a spray tip size of 0.38mm (15 thou) and a spray tip angle of 65°.

Drying Times

Single coat at standard thickness:

Touch Dry: Dependent on temperature and humidity.

Recoat: 2-4 hours.

FURTHER SUPPORT

If you need further support, please contact the **AkzoNobel** Technical Advice Centre on [0333 222 70 70](tel:0333 222 70 70).

* **Mouldshield** Fungicidal Eggshell from **Dulux Trade** contains: 3-iodo-2-propynyl-n-butyl carbamate. **Use biocides safely. Always read the label and product information before use.**

Always read full Health, Safety & Environmental Information on can before use.

Safety datasheet (SDS 536) is available free on request by telephoning the AkzoNobel Technical Advice Centre or by visiting duluxtrade.co.uk.

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Cleaning Up

After use, remove as much product as possible from equipment before cleaning with water.

When this paint container is empty please ask your stockist about recycling. If you have leftover paint, please dispose of it responsibly and consider donating it to **Community RePaint**. Find out more at duluxtrade.co.uk/pp.

Transportation & Storage

Do not use or store in extremes of temperature and protect from frost. To prevent spillage, please store and transport upright.

VOC

EU limit value for this product (cat.: A/a): 30g/l (2010).

Ready Mixed: This product contains max. 1g/l VOC. VOC content: Minimal (0-0.29%).

Tinted Colour: This product contains max. 3g/l VOC. VOC content: Low (0.30-7.99%).



**WOOD
FINISHES
DIRECT**



Finish. Finished.

The following Product Datasheet is provided by **Morrells**

Wood Finishes Direct cannot be held liable for the information contained within this document.

For purchasing information visit:
[Morrells Cellulose Thinners](#)

Product Data Sheet



53/440 Range: High Build, Fast Dry Acid Catalyst Lacquer**
543/ - 546/ : Tinted High Build, Fast Dry Acid Catalyst Lacquers

Code	Description	Code	Description
5901/440	90% Sheen	5203/440	20% Sheen
5503/440	50% Sheen	5103/440	10% Sheen
5403/440	40% Sheen	5CAT/200	Acid Catalyst (9:1)
5303/440	30% Sheen	Thinners	2007/900

Technical Data	A very quick drying and easy sanding acid catalyst lacquer designed for manual or automatic spray application.
Properties	Formulated to provide outstanding resistance to abrasion, wet and dry heat, spirit solutions and a wide range of household chemicals. Meets the requirements of FIRA Std 6250 - Horizontal Surfaces (excluding kitchen worktops), Severe use. Lacquers of this type achieve their full resistance properties after 21 - 28 days drying, although careful use is possible before this period.
Mixing Guidelines	Catalyse 9 parts lacquer to 1 part 5CAT/200 by volume and mix well prior to use. The catalysed lacquer should ready for use (RFU) but can be thinned upto 5% by volume with the recommended thinner, 2007/900, if required. Under normal conditions these products will have a workable pot-life of 36 hours after catalysis.
Typical Handling	Touch Dry: 15-20 mins @ 18°C Sandable: 1 hour @ 18°C – Use 320 or finer silicone carbide paper. Recoatable: 1.5 hours @ 18°C Packing time: Overnight minimum, dependent on conditions.
Cleaning	2007/100 should be used for equipment cleaning.
Coverage	Approximately 40m ² per 5Lts dependent upon the size, orientation and surface quality of the item being coated.
Tinting	Use Morrells Light Fast Stains up to a maximum of 5% (after catalysis).
System Guidelines	Morrells recommends the following guidance for use of this product range: Typical Finish: 2-3 coats at 75g/m ² per coat (Dry Film Thickness ~ 31µ per coat) applied coat-on-coat. Using these products in systems outside these guidelines can lead to immediate and latent problems with the integrity of the finish.



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Registered Office: Morrells Woodfinishes Limited. Company no. 785935 VAT. Reg No GB 712 5048 66



<p>Important Information</p>	<ul style="list-style-type: none"> ➤ Designed for spray application. ➤ Under catalysing or over catalysing can cause impairment of cure and cracking. ➤ Excessive coating weights can lead to cracking or lifting. ➤ Leave adequate time between coats. Do not apply more than 3 coats in one day. Denib between coats to aid adhesion. ➤ Do not overcoat with 1K or 2K Polyurethane (PU) products. ➤ Morrells do not recommend the mixing of catalysed material with fresh material. Always catalyse the right amount for the job. ➤ Use only the recommended thinner. Use of non-recommended thinner can cause uneven/patchy drying. ➤ Do not use over pigmented bases or with NC, Shellac or Precatalysed Sealers. ➤ Some timbers (e.g. cherry, maple etc) are prone to discoloration or reddening when using acid catalyst lacquers. ➤ Users should prepare a test panel prior to commencement and satisfy themselves that the specific system provides the appearance and level of performance appropriate for the end-use. ➤ Douse all waste materials associated with this/these materials with water before disposal and avoid prolonged/excessive exposure to heat. ➤ Store all waste materials in secure metal container outside, away from combustible materials overnight. ➤ 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.
<p>Health & Safety</p>	<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>

The information provided on this information sheet is based on the best of our knowledge and experience, is given in good faith and should only be regarded as recommendations. No guarantee should be inferred and customers are advised to carry out their own tests under local conditions.

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



SAFETY DATA SHEET
5901/440 Range of High Build Fast Dry AC Lacquer

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product Name 5901/440 Range of High Build Fast Dry AC Lacquer
Product No. 5053/440 to 5901/440

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

Identified uses Industrial wood coating.

1.3. Details of the supplier of the safety data sheet

Supplier: Morrells Woodfinishes Ltd
Wellington Works
Mill Lane, Woodley
Stockport
England
SK6 1RN
0161 406 5300
0161 406 6276
enquiries@morrells.co.uk

1.4. Emergency telephone number

0161 406 5300 DURING OFFICE HOURS

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical	Flam. Liq. 3 - H226
Health	EUH066;STOT Single 3 - H336
Environmental	Not classified.

Classification (1999/45) R10, R66, R67.

Human Health

In high concentrations, vapours and spray mists are narcotic and may cause headache, fatigue, dizziness and nausea. Product has a defatting effect on skin.

Environment

The product is not expected to be hazardous to the environment.

Physical And Chemical Hazards

Vapours are heavier than air and may travel along the floor and in the bottom of containers.

2.2. Label elements

Label In Accordance With (Ec) No. 1272/2008



Signal Word Warning

Hazard Statements

H226	Flammable liquid and vapour.
H336	May cause drowsiness or dizziness.

5901/440 Range of High Build Fast Dry AC Lacquer

Precautionary Statements

P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P370+378	In case of fire: Use ... for extinction.
P501	Dispose of contents/container to ...

Supplementary Precautionary Statements

P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting/.../equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P303+361+353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P403+233	Store in a well-ventilated place. Keep container tightly closed.
P403+235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

Supplemental Label Information

EUH066	Repeated exposure may cause skin dryness or cracking.
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2.3. Other hazards

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

1-METHOXY-2-PROPANOL	1-5%
CAS-No.: 107-98-2	EC No.: 203-539-1
Classification (EC 1272/2008) Flam. Liq. 3 - H226 STOT Single 3 - H336	Classification (67/548) R10 R67
4-HYDROXY-4-METHYLPENTAN-2-ONE	< 1%
CAS-No.: 123-42-2	EC No.: 204-626-7
Classification (EC 1272/2008) Eye Irrit. 2 - H319	Classification (67/548) Xi;R36
BUTYL ACETATE -norm	30-60%
CAS-No.: 123-86-4	EC No.: 204-658-1
Classification (EC 1272/2008) Flam. Liq. 3 - H226 EUH066 STOT Single 3 - H336	Classification (67/548) R10 R66 R67

5901/440 Range of High Build Fast Dry AC Lacquer

ETHANOL	10-30%
CAS-No.: 64-17-5	EC No.: 200-578-6
Classification (EC 1272/2008) Flam. Liq. 2 - H225	Classification (67/548) F;R11
METHANOL	< 1%
CAS-No.: 67-56-1	EC No.: 200-659-6
Classification (EC 1272/2008) Flam. Liq. 2 - H225 Acute Tox. 3 - H301 Acute Tox. 3 - H311 Acute Tox. 3 - H331 STOT Single 1 - H370	Classification (67/548) F;R11 T;R23/24/25,R39/23/24/25
PROPAN-1-OL	1-5%
CAS-No.: 71-23-8	EC No.: 200-746-9
Classification (EC 1272/2008) Flam. Liq. 2 - H225 Eye Dam. 1 - H318 STOT Single 3 - H336	Classification (67/548) F;R11 Xi;R41 R67
SOLVENT NAPHTHA LOW BOILING POINT	< 1%
CAS-No.: 64742-95-6	EC No.: 265-199-0
Classification (EC 1272/2008) Flam. Liq. 3 - H226 EUH066 STOT Single 3 - H335, H336 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411	Classification (67/548) Xn;R65. Xi;R37. N;R51/53. R10,R66,R67.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16

Composition Comments

The data shown are in accordance with the latest EC Directives.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation.

Move the exposed person to fresh air at once. Perform artificial respiration if breathing has stopped. If respiratory problems, artificial respiration/oxygen. Keep the affected person warm and at rest. Get prompt medical attention.

Ingestion

NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Remove victim immediately from source of exposure. Immediately rinse mouth and provide fresh air. Promptly get affected person to drink large volumes of water to dilute the swallowed chemical. Get medical attention.

Skin Contact

Use appropriate hand lotion to prevent defatting and cracking of skin. Remove affected person from source of contamination. Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with water. Get medical attention promptly if symptoms occur after washing.

Eye Contact

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

4.2. Most important symptoms and effects, both acute and delayed

5901/440 Range of High Build Fast Dry AC Lacquer

4.3. Indication of any immediate medical attention and special treatment needed

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing Media

Use: Alcohol resistant foam. Carbon dioxide (CO₂). Dry chemicals, sand, dolomite etc. DO NOT use water if avoidable.

5.2. Special hazards arising from the substance or mixture

Unusual Fire & Explosion Hazards

Fire causes formation of toxic gases.

Specific Hazards

The product is flammable, and heating may generate vapours which may form explosive vapour/air mixtures.

5.3. Advice for firefighters

Special Fire Fighting Procedures

Use pressurised air mask if product is involved in a fire. Cool containers exposed to flames with water until well after the fire is out.

Protective Measures In Fire

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body. Ensure that waste and contaminated materials are collected and removed from the work area as soon as possible in a suitably labelled container.

6.3. Methods and material for containment and cleaning up

Keep combustibles away from spilled material. Absorb in vermiculite, dry sand or earth and place into containers. Wash contaminated area with water. Wash thoroughly after dealing with a spillage.

6.4. Reference to other sections

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Keep away from heat, sparks and open flame. Do not use contact lenses. Avoid spilling, skin and eye contact. Eye wash facilities and emergency shower must be available when handling this product. During application and drying, solvent vapours will be emitted.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry and cool place. Store under well-ventilated conditions at a temperature below 25°C.

Storage Class

Flammable liquid storage.

7.3. Specific end use(s)

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
1-METHOXY-2-PROPANOL	WEL	100 ppm(Sk)	375 mg/m3(Sk)	150 ppm(Sk)	560 mg/m3(Sk)	
4-HYDROXY-4-METHYLPENTAN-2-ONE	WEL	50 ppm	241 mg/m3	75 ppm	362 mg/m3	
BUTYL ACETATE -norm	WEL	150 ppm	724 mg/m3	200 ppm	966 mg/m3	
ETHANOL	WEL	1000 ppm	1920 mg/m3			
METHANOL	WEL	200 ppm	266 mg/m3	250 ppm	333 mg/m3	
PROPAN-1-OL	WEL	200 ppm(Sk)	500 mg/m3(Sk)	250 ppm(Sk)	625 mg/m3(Sk)	
SOLVENT NAPHTHA LOW BOILING POINT	WEL	600 ppm				

5901/440 Range of High Build Fast Dry AC Lacquer

WEL = Workplace Exposure Limit.

Ingredient Comments

WEL = Workplace Exposure Limits

8.2. Exposure controls

Protective Equipment



Process Conditions

Provide eyewash station.

Engineering Measures

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

Hand Protection

Protective gloves and goggles must be used if there is a risk of direct contact or splash.

Eye Protection

Contact lenses should not be worn when working with this chemical! Wear approved safety goggles.

Other Protection

Use engineering controls to reduce air contamination to permissible exposure level. Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact. Provide eyewash station and safety shower.

Hygiene Measures

Wash promptly if skin becomes contaminated. Promptly remove non-impervious clothing that becomes contaminated. When using do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Clear, yellowish liquid
Odour	Characteristic
Initial Boiling Point and Boiling Range:	100
Flash Point (°C)	22

9.2. Other information

Volatile Organic Compound (VOC) 532 to 542 g/litre

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions

10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition. Avoid contact with acids and oxidising substances.

10.5. Incompatible materials

10.6. Hazardous decomposition products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Inhalation

In high concentrations, vapours may irritate throat and respiratory system and cause coughing.

Ingestion.

Gastrointestinal symptoms, including upset stomach.

5901/440 Range of High Build Fast Dry AC Lacquer

Skin Contact

Repeated exposure may cause skin dryness or cracking.

Eye Contact

Irritating and may cause redness and pain.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:

The product is not expected to be hazardous to the environment.

12.1. Toxicity

12.2. Persistence and degradability

12.3. Bioaccumulative potential

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

SECTION 13: DISPOSAL CONSIDERATIONS

General Information

Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

13.1. Waste treatment methods

Absorb in vermiculite or dry sand and dispose of at a licenced hazardous waste collection point. Make sure containers are empty before discarding (explosion risk).

SECTION 14: TRANSPORT INFORMATION

14.1. UN number

UN No. (ADR/RID/ADN) 1263

14.2 UN Proper Shipping Name

PAINT OR PAINT RELATED MATERIAL

14.3 Transport hazard class(es)

ADR/RID/ADN Class 3

ADR/RID/ADN Class Class 3: Flammable liquids.

ADR Label No. 3

Transport Labels



14.4. Packing group

ADR/RID/ADN Packing group III

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant

No.

14.6. Special precautions for user

Emergency Action Code 3Y

Hazard No. (ADR) 33

Tunnel Restriction Code (D/E)

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**Uk Regulatory References**

The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments.

Statutory Instruments

The Classification, Labelling and Packaging of substances and mixtures Regulations EC 1272/2008 (CLP) and amendments

Approved Code Of Practice

Safety Data Sheets for Substances and Preparations.

Guidance Notes

Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

15.2. Chemical Safety Assessment

SECTION 16: OTHER INFORMATION

Revision Date	09/09/2015
Revision	2
Supersedes Date	21/03/2012
Risk Phrases In Full	
R10	Flammable.
R11	Highly flammable.
R23/24/25	Toxic by inhalation, in contact with skin and if swallowed.
R36	Irritating to eyes.
R37	Irritating to respiratory system.
R39/23/24/25	Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
R41	Risk of serious damage to eyes.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65	Harmful: may cause lung damage if swallowed.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.
Hazard Statements In Full	
EUH066	Repeated exposure may cause skin dryness or cracking.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H370	Causes damage to organs <<Organs>>.
H411	Toxic to aquatic life with long lasting effects.

SAFETY DATA SHEET
5CAT/200 MEDIUM STRENGTH CATALYST

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product Name 5CAT/200 MEDIUM STRENGTH CATALYST
Product No. 5CAT/200

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

Identified uses Industrial wood coating. Catalyst

1.3. Details of the supplier of the safety data sheet

Supplier: Morrells Woodfinishes Ltd
Wellington Works
Mill Lane, Woodley
Stockport
England
SK6 1RN
0161 406 5300
0161 406 6276
enquiries@morrells.co.uk

1.4. Emergency telephone number

0161 406 5300 DURING OFFICE HOURS

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical	Flam. Liq. 2 - H225
Health	Acute Tox. 4 - H302; Acute Tox. 4 - H312; Acute Tox. 4 - H332; STOT Single 2 - H371
Environmental	Not classified.

Classification (1999/45) Xn; R20/21/22, R68/20/21/22. F; R11.

2.2. Label elements

Contains: METHANOL

Label In Accordance With (Ec) No. 1272/2008



Signal Word Danger

Hazard Statements

H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H332	Harmful if inhaled.
H371	May cause damage to organs .

Precautionary Statements

P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.

5CAT/200 MEDIUM STRENGTH CATALYST

P280	Wear protective gloves/protective clothing/eye protection/face protection.
P501	Dispose of contents/container to ...

Supplementary Precautionary Statements

P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting/.../equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash ... thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P301+312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P302+352	IF ON SKIN: Wash with plenty of soap and water.
P303+361+353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P309+311	IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P322	Specific measures (see ... on this label).
P330	Rinse mouth.
P363	Wash contaminated clothing before reuse.
P370+378	In case of fire: Use ... for extinction.
P403+235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

2.3. Other hazards

This product does not contain any PBT or vPvB Substances.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

ETHANOL	60-100%
CAS-No.: 64-17-5	EC No.: 200-578-6
Classification (EC 1272/2008) Flam. Liq. 2 - H225	Classification (67/548) F;R11
METHANOL	1-5%
CAS-No.: 67-56-1	EC No.: 200-659-6
Classification (EC 1272/2008) Flam. Liq. 2 - H225 Acute Tox. 3 - H301 Acute Tox. 3 - H311 Acute Tox. 3 - H331 STOT Single 1 - H370	Classification (67/548) F;R11 T;R23/24/25,R39/23/24/25
TOLUENESULPHONIC ACID -para <= 5% H2SO4	10-30%
CAS-No.: 104-15-4	EC No.: 203-180-0

5CAT/200 MEDIUM STRENGTH CATALYST

Classification (EC 1272/2008)
Skin Irrit. 2 - H315
Eye Irrit. 2 - H319
STOT Single 3 - H335

Classification (67/548)
Xi;R36/37/38

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General Information

NOTE! Keep affected person away from heat, sparks and flames! Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

Inhalation.

Move the exposed person to fresh air at once. For breathing difficulties oxygen may be necessary. If breathing stops, provide artificial respiration. Keep the affected person warm and at rest. Get prompt medical attention.

Ingestion

DO NOT INDUCE VOMITING! Remove victim immediately from source of exposure. Rinse mouth thoroughly. Provide rest, warmth and fresh air. Get medical attention immediately! If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

Skin Contact

Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if irritation persists after washing.

Eye Contact

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Contact physician if irritation persists.

4.2. Most important symptoms and effects, both acute and delayed

4.3. Indication of any immediate medical attention and special treatment needed

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing Media

Fire can be extinguished using: Foam. Dry chemicals, sand, dolomite etc.

5.2. Special hazards arising from the substance or mixture

5.3. Advice for firefighters

Special Fire Fighting Procedures

Avoid breathing fire vapours. Cool containers exposed to flames with water until well after the fire is out. Keep run-off water out of sewers and water sources. Dike for water control.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

6.2. Environmental precautions

6.3. Methods and material for containment and cleaning up

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Clean-up personnel should use respiratory and/or liquid contact protection. Absorb in vermiculite, dry sand or earth and place into containers.

6.4. Reference to other sections

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid spilling, skin and eye contact. Keep away from heat, sparks and open flame. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level. Use explosion proof electric equipment.

7.2. Conditions for safe storage, including any incompatibilities

Flammable/combustible - Keep away from oxidisers, heat and flames. Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container.

Storage Class

Flammable liquid storage.

7.3. Specific end use(s)

5CAT/200 MEDIUM STRENGTH CATALYST

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
ETHANOL	WEL	1000 ppm	1920 mg/m ³			
METHANOL	WEL	200 ppm	266 mg/m ³	250 ppm	333 mg/m ³	

WEL = Workplace Exposure Limit.

Ingredient Comments

WEL = Workplace Exposure Limits

8.2. Exposure controls

Protective Equipment



Engineering Measures

Provide adequate general and local exhaust ventilation.

Respiratory Equipment

Respiratory protection must be used if air contamination exceeds acceptable level.

Hand Protection

Use protective gloves.

Eye Protection

Use approved safety goggles or face shield.

Other Protection

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

Hygiene Measures

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap & water if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Colourless-pale yellow liquid
Odour	Characteristic
Initial Boiling Point and Boiling Range:	78
Flash Point (°C)	12 CC (Closed cup).

9.2. Other information

Volatile Organic Compound (VOC) 701 g/litre

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

10.2. Chemical stability

Stable under normal temperature conditions.

10.3. Possibility of hazardous reactions

10.4. Conditions to avoid

Avoid heat. Avoid contact with oxidisers or reducing agents.

10.5. Incompatible materials

10.6. Hazardous decomposition products

Fire creates: Toxic gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO₂).

5CAT/200 MEDIUM STRENGTH CATALYST

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

General Information

Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

Inhalation

Vapours may cause headache, fatigue, dizziness and nausea. Vapour may irritate respiratory system or lungs.

Ingestion.

Harmful: may cause lung damage if swallowed. Pneumonia may be the result if vomited material containing solvents reaches the lungs.

Narcotic effect.

Skin Contact

Acts as a defatting agent on skin. May cause cracking of skin, and eczema. Prolonged or repeated exposure may cause severe irritation.

Eye Contact

Irritating to eyes. Vapour or spray may cause temporary (reversible) eye damage.

Route of entry

Inhalation. Ingestion. Skin and/or eye contact.

Target Organs

Respiratory system, lungs

Medical Symptoms

High concentrations of vapours may irritate respiratory system and lead to headache, fatigue, nausea and vomiting.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:

There are no data on the ecotoxicity of this product.

12.1. Toxicity

12.2. Persistence and degradability

12.3. Bioaccumulative potential

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.

SECTION 14: TRANSPORT INFORMATION

14.1. UN number

UN No. (ADR/RID/ADN) 1263

UN No. (IMDG) 1263

UN No. (ICAO) 1263

14.2 UN Proper Shipping Name

Proper Shipping Name PAINT OR PAINT RELATED PRODUCTS

Proper Shipping Name FLAMMABLE LIQUID, NOS

14.3 Transport hazard class(es)

ADR/RID/ADN Class 3

ADR/RID/ADN Class Class 3: Flammable liquids.

ADR Label No. 3

IMDG Class 3.2

ICAO Class/Division 3

Transport Labels

5CAT/200 MEDIUM STRENGTH CATALYST



14.4. Packing group

ADR/RID/ADN Packing group 5(c)

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant

No.

14.6. Special precautions for user

Hazard No. (ADR) 33

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

SECTION 15: REGULATORY INFORMATION

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

Uk Regulatory References

The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments.

Statutory Instruments

The Classification, Labelling and Packaging of substances and mixtures Regulations EC 1272/2008 (CLP) and amendments

Approved Code Of Practice

Classification and Labelling of Substances and Preparations Dangerous for Supply.

Guidance Notes

Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37.

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

Revision Date 09/09/2015

Revision 3

Supersedes Date 23/06/2011

Risk Phrases In Full

R11 Highly flammable.

R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.

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

R39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

Hazard Statements In Full

H225 Highly flammable liquid and vapour.

H301 Toxic if swallowed.

H311 Toxic in contact with skin.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H331 Toxic if inhaled.

H335 May cause respiratory irritation.

H370 Causes damage to organs <<Organs>>.

SAFETY DATA SHEET
2007/900 HCF CELLULOSE THINNERS

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product Name 2007/900 HCF CELLULOSE THINNERS

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

Identified uses Industrial wood coating.

1.3. Details of the supplier of the safety data sheet

Supplier: Morrells Woodfinishes Ltd
Wellington Works
Mill Lane, Woodley
Stockport
England
SK6 1RN
0161 406 5300
0161 406 6276
enquiries@morrells.co.uk

1.4. Emergency telephone number

0161 406 5300 DURING OFFICE HOURS

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical	Flam. Liq. 2 - H225
Health	EUH066;STOT Single 3 - H336
Environmental	Not classified.

Classification (1999/45) F;R11. R66, R67.

2.2. Label elements

Label In Accordance With (Ec) No. 1272/2008



Signal Word Danger

Hazard Statements

H225	Highly flammable liquid and vapour.
H336	May cause drowsiness or dizziness.

Precautionary Statements

P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P501	Dispose of contents/container to ...

Supplementary Precautionary Statements

P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.

2007/900 HCF CELLULOSE THINNERS

P241	Use explosion-proof electrical/ventilating/lighting/.../equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P303+361+353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P370+378	In case of fire: Use ... for extinction.
P403+233	Store in a well-ventilated place. Keep container tightly closed.
P403+235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

Supplemental Label Information

EUH066	Repeated exposure may cause skin dryness or cracking.
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2.3. Other hazards

This product does not contain any PBT or vPvB Substances.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

BUTYL ACETATE -norm	10-30%
CAS-No.: 123-86-4	EC No.: 204-658-1
Classification (EC 1272/2008) Flam. Liq. 3 - H226 EUH066 STOT Single 3 - H336	Classification (67/548) R10 R66 R67
ETHANOL	30-60%
CAS-No.: 64-17-5	EC No.: 200-578-6
Classification (EC 1272/2008) Flam. Liq. 2 - H225	Classification (67/548) F;R11
ISOBUTYL ACETATE	10-30%
CAS-No.: 110-19-0	EC No.: 203-745-1
Classification (EC 1272/2008) Flam. Liq. 2 - H225 EUH066	Classification (67/548) F;R11 R66
METHANOL	1-5%
CAS-No.: 67-56-1	EC No.: 200-659-6
Classification (EC 1272/2008) Flam. Liq. 2 - H225 Acute Tox. 3 - H301 Acute Tox. 3 - H311 Acute Tox. 3 - H331 STOT Single 1 - H370	Classification (67/548) F;R11 T;R23/24/25,R39/23/24/25

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General Information

NOTE! Keep affected person away from heat, sparks and flames! Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

Inhalation.

Move the exposed person to fresh air at once. For breathing difficulties oxygen may be necessary. If breathing stops, provide artificial respiration. Keep the affected person warm and at rest. Get prompt medical attention.

Ingestion

DO NOT INDUCE VOMITING! Remove victim immediately from source of exposure. Rinse mouth thoroughly. Provide rest, warmth and fresh air. Get medical attention immediately! If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

Skin Contact

Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if irritation persists after washing.

Eye Contact

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Contact physician if irritation persists.

4.2. Most important symptoms and effects, both acute and delayed

4.3. Indication of any immediate medical attention and special treatment needed

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing Media

Fire can be extinguished using: Foam. Dry chemicals, sand, dolomite etc.

5.2. Special hazards arising from the substance or mixture

5.3. Advice for firefighters

Special Fire Fighting Procedures

Avoid breathing fire vapours. Cool containers exposed to flames with water until well after the fire is out. Keep run-off water out of sewers and water sources. Dike for water control.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

6.2. Environmental precautions

6.3. Methods and material for containment and cleaning up

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Clean-up personnel should use respiratory and/or liquid contact protection. Absorb in vermiculite, dry sand or earth and place into containers.

6.4. Reference to other sections

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid spilling, skin and eye contact. Keep away from heat, sparks and open flame. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level. Use explosion proof electric equipment.

7.2. Conditions for safe storage, including any incompatibilities

Flammable/combustible - Keep away from oxidisers, heat and flames. Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container.

Storage Class

Flammable liquid storage.

7.3. Specific end use(s)

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

2007/900 HCF CELLULOSE THINNERS

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
BUTYL ACETATE -norm	WEL	150 ppm	724 mg/m3	200 ppm	966 mg/m3	
ETHANOL	WEL	1000 ppm	1920 mg/m3			
ISOBUTYL ACETATE	WEL	150 ppm	724 mg/m3	187 ppm	903 mg/m3	
METHANOL	WEL	200 ppm	266 mg/m3	250 ppm	333 mg/m3	

WEL = Workplace Exposure Limit.

Ingredient Comments

WEL = Workplace Exposure Limits

8.2. Exposure controls

Protective Equipment



Engineering Measures

Provide adequate general and local exhaust ventilation.

Respiratory Equipment

Respiratory protection must be used if air contamination exceeds acceptable level.

Hand Protection

Use protective gloves.

Eye Protection

Use approved safety goggles or face shield.

Other Protection

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

Hygiene Measures

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap & water if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Odour	Characteristic
Initial Boiling Point and Boiling Range:	104
Flash Point (°C)	17

9.2. Other information

Volatile Organic Compound (VOC) 827 g/litre

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

10.2. Chemical stability

Stable under normal temperature conditions.

10.3. Possibility of hazardous reactions

10.4. Conditions to avoid

Avoid heat. Avoid contact with oxidisers or reducing agents.

10.5. Incompatible materials

10.6. Hazardous decomposition products

Fire creates: Toxic gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO2).

SECTION 11: TOXICOLOGICAL INFORMATION**11.1. Information on toxicological effects****General Information**

Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

Inhalation

Vapours may cause headache, fatigue, dizziness and nausea. Vapour may irritate respiratory system or lungs.

Ingestion.

Harmful: may cause lung damage if swallowed. Pneumonia may be the result if vomited material containing solvents reaches the lungs.

Narcotic effect.

Skin Contact

Acts as a defatting agent on skin. May cause cracking of skin, and eczema. Prolonged or repeated exposure may cause severe irritation.

Eye Contact

Irritating to eyes. Vapour or spray may cause temporary (reversible) eye damage.

Route of entry

Inhalation. Ingestion. Skin and/or eye contact.

Target Organs

Respiratory system, lungs

Medical Symptoms

High concentrations of vapours may irritate respiratory system and lead to headache, fatigue, nausea and vomiting.

SECTION 12: ECOLOGICAL INFORMATION**Ecotoxicity:**

There are no data on the ecotoxicity of this product.

12.1. Toxicity**12.2. Persistence and degradability****12.3. Bioaccumulative potential****12.4. Mobility in soil****12.5. Results of PBT and vPvB assessment****12.6. Other adverse effects****SECTION 13: DISPOSAL CONSIDERATIONS****13.1. Waste treatment methods**

Dispose of waste and residues in accordance with local authority requirements.

SECTION 14: TRANSPORT INFORMATION**14.1. UN number**

UN No. (ADR/RID/ADN) 1263

14.2 UN Proper Shipping Name

PAINT OR PAINT RELATED MATERIAL

Proper Shipping Name PAINT OR PAINT RELATED PRODUCTS

14.3 Transport hazard class(es)

ADR/RID/ADN Class 3

ADR/RID/ADN Class Class 3: Flammable liquids.

ADR Label No. 3

Transport Labels

2007/900 HCF CELLULOSE THINNERS



14.4. Packing group

ADR/RID/ADN Packing group II

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant

No.

14.6. Special precautions for user

Tunnel Restriction Code (D/E)

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

SECTION 15: REGULATORY INFORMATION

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

Uk Regulatory References

The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments.

Statutory Instruments

The Classification, Labelling and Packaging of substances and mixtures Regulations EC 1272/2008 (CLP) and amendments

Approved Code Of Practice

Classification and Labelling of Substances and Preparations Dangerous for Supply.

Guidance Notes

Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. Spraying of Highly Flammable Liquids EH9.

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

Revision Date 28/06/2013

Revision 2

Supersedes Date 23/06/2011

Risk Phrases In Full

R10 Flammable.

R11 Highly flammable.

R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.

R39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

R66 Repeated exposure may cause skin dryness or cracking.

R67 Vapours may cause drowsiness and dizziness.

Hazard Statements In Full

EUH066 Repeated exposure may cause skin dryness or cracking.

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H301 Toxic if swallowed.

H311 Toxic in contact with skin.

H331 Toxic if inhaled.

H336 May cause drowsiness or dizziness.

H370 Causes damage to organs <<Organs>>.

SAFETY DATA SHEET
2007/100 gun cleaner

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product Name 2007/100 gun cleaner

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

Identified uses Industrial wood coating.

1.3. Details of the supplier of the safety data sheet

Supplier: Morrells Woodfinishes Ltd
Wellington Works
Mill Lane, Woodley
Stockport
England
SK6 1RN
0161 406 5300
0161 406 6276
enquiries@morrells.co.uk

1.4. Emergency telephone number

0161 406 5300 DURING OFFICE HOURS

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical	Flam. Liq. 2 - H225
Health	Acute Tox. 4 - H302; Acute Tox. 4 - H312; Acute Tox. 4 - H332; Skin Irrit. 2 - H315; Eye Irrit. 2 - H319; Repr. 2 - H361d; STOT Single 2 - H371; STOT Rep. 2 - H373; Asp. Tox. 1 - H304
Environmental	Not classified.

Classification (1999/45)

Xn; R20/21/22, R68/20/21/22, R48/20, R65. Repr. Cat. 3; R63. Xi; R36/38. F; R11.

2.2. Label elements

Contains: METHANOL
TOLUENE

Label In Accordance With (Ec) No. 1272/2008



Signal Word Danger

Hazard Statements

H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.

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H361d	Suspected of damaging the unborn child.
H371	May cause damage to organs .
H373	May cause damage to organs through prolonged or repeated exposure.

Precautionary Statements

P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P281	Use personal protective equipment as required.
P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P313	Get medical advice/attention.

Supplementary Precautionary Statements

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting/.../equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash ... thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P301+310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P301+312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P302+352	IF ON SKIN: Wash with plenty of soap and water.
P303+361+353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P308+313	IF exposed or concerned: Get medical advice/attention.
P309+311	IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P314	Get medical advice/attention if you feel unwell.
P321	Specific treatment (see ... on this label).
P322	Specific measures (see ... on this label).
P330	Rinse mouth.
P331	Do NOT induce vomiting.
P332+313	If skin irritation occurs: Get medical advice/attention.
P337	If eye irritation persists:
P362	Take off contaminated clothing and wash before reuse.
P363	Wash contaminated clothing before reuse.
P370+378	In case of fire: Use ... for extinction.
P403+235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container to ...

2.3. Other hazards

This product does not contain any PBT or vPvB Substances.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

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ACETONE		30-60%
CAS-No.: 67-64-1		EC No.: 200-662-2
Classification (EC 1272/2008) Flam. Liq. 2 - H225 EUH066 Eye Irrit. 2 - H319 STOT Single 3 - H336	Classification (67/548) F;R11 Xi;R36 R66 R67	
BUTYL ACETATE -norm		10-30%
CAS-No.: 123-86-4		EC No.: 204-658-1
Classification (EC 1272/2008) Flam. Liq. 3 - H226 EUH066 STOT Single 3 - H336	Classification (67/548) R10 R66 R67	
METHANOL		5-10%
CAS-No.: 67-56-1		EC No.: 200-659-6
Classification (EC 1272/2008) Flam. Liq. 2 - H225 Acute Tox. 3 - H301 Acute Tox. 3 - H311 Acute Tox. 3 - H331 STOT Single 1 - H370	Classification (67/548) F;R11 T;R23/24/25,R39/23/24/25	
TOLUENE		30-60%
CAS-No.: 108-88-3		EC No.: 203-625-9
Classification (EC 1272/2008) Flam. Liq. 2 - H225 Skin Irrit. 2 - H315 Repr. 2 - H361d STOT Single 3 - H336 STOT Rep. 2 - H373 Asp. Tox. 1 - H304	Classification (67/548) F;R11 Repr.Cat.3;R63 Xn;R48/20,R65 Xi;R38 R67	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General Information

NOTE! Keep affected person away from heat, sparks and flames! Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

Inhalation.

Move the exposed person to fresh air at once. For breathing difficulties oxygen may be necessary. If breathing stops, provide artificial respiration. Keep the affected person warm and at rest. Get prompt medical attention.

Ingestion

DO NOT INDUCE VOMITING! Remove victim immediately from source of exposure. Rinse mouth thoroughly. Provide rest, warmth and fresh air. Get medical attention immediately! If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

Skin Contact

Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if irritation persists after washing.

Eye Contact

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Contact physician if irritation persists.

4.2. Most important symptoms and effects, both acute and delayed

4.3. Indication of any immediate medical attention and special treatment needed

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing Media

Fire can be extinguished using: Foam. Dry chemicals, sand, dolomite etc.

5.2. Special hazards arising from the substance or mixture

5.3. Advice for firefighters

Special Fire Fighting Procedures

Avoid breathing fire vapours. Cool containers exposed to flames with water until well after the fire is out. Keep run-off water out of sewers and water sources. Dike for water control.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

6.2. Environmental precautions

6.3. Methods and material for containment and cleaning up

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Clean-up personnel should use respiratory and/or liquid contact protection. Absorb in vermiculite, dry sand or earth and place into containers.

6.4. Reference to other sections

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid spilling, skin and eye contact. Keep away from heat, sparks and open flame. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level. Use explosion proof electric equipment.

7.2. Conditions for safe storage, including any incompatibilities

Flammable/combustible - Keep away from oxidisers, heat and flames. Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container.

Storage Class

Flammable liquid storage.

7.3. Specific end use(s)

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
ACETONE	WEL	500 ppm	1210 mg/m3	1500 ppm	3620 mg/m3	
BUTYL ACETATE -norm	WEL	150 ppm	724 mg/m3	200 ppm	966 mg/m3	
METHANOL	WEL	200 ppm	266 mg/m3	250 ppm	333 mg/m3	
TOLUENE	WEL	50 ppm(Sk)	191 mg/m3(Sk)	150 ppm(Sk)	574 mg/m3(Sk)	

WEL = Workplace Exposure Limit.

Ingredient Comments

WEL = Workplace Exposure Limits

8.2. Exposure controls

Protective Equipment



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Engineering Measures

Provide adequate general and local exhaust ventilation.

Respiratory Equipment

Respiratory protection must be used if air contamination exceeds acceptable level.

Hand Protection

Use protective gloves.

Eye Protection

Use approved safety goggles or face shield.

Other Protection

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

Hygiene Measures

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap & water if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Odour	Characteristic
Initial Boiling Point and Boiling Range:	92
Flash Point (°C)	-1

9.2. Other information

Volatile Organic Compound (VOC)	838 g/litre
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SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

10.2. Chemical stability

Stable under normal temperature conditions.

10.3. Possibility of hazardous reactions

10.4. Conditions to avoid

Avoid heat. Avoid contact with oxidisers or reducing agents.

10.5. Incompatible materials

10.6. Hazardous decomposition products

Fire creates: Toxic gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO₂).

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

General Information

Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

Inhalation

Vapours may cause headache, fatigue, dizziness and nausea. Vapour may irritate respiratory system or lungs.

Ingestion.

Harmful: may cause lung damage if swallowed. Pneumonia may be the result if vomited material containing solvents reaches the lungs. Narcotic effect.

Skin Contact

Acts as a defatting agent on skin. May cause cracking of skin, and eczema. Prolonged or repeated exposure may cause severe irritation.

Eye Contact

Irritating to eyes. Vapour or spray may cause temporary (reversible) eye damage.

Route of entry

Inhalation. Ingestion. Skin and/or eye contact.

Target Organs

Respiratory system, lungs

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Medical Symptoms

High concentrations of vapours may irritate respiratory system and lead to headache, fatigue, nausea and vomiting.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:

There are no data on the ecotoxicity of this product.

12.1. Toxicity

12.2. Persistence and degradability

12.3. Bioaccumulative potential

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.

SECTION 14: TRANSPORT INFORMATION

14.1. UN number

UN No. (ADR/RID/ADN) 1263

14.2 UN Proper Shipping Name

PAINT OR PAINT RELATED MATERIAL

Proper Shipping Name PAINT OR PAINT RELATED PRODUCTS

14.3 Transport hazard class(es)

ADR/RID/ADN Class 3

ADR/RID/ADN Class Class 3: Flammable liquids.

ADR Label No. 3

Transport Labels



14.4. Packing group

ADR/RID/ADN Packing group II

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant

No.

14.6. Special precautions for user

Tunnel Restriction Code (D/E)

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

SECTION 15: REGULATORY INFORMATION

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

Statutory Instruments

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716). Control of Substances Hazardous to Health.

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Approved Code Of Practice

Classification and Labelling of Substances and Preparations Dangerous for Supply.

Guidance Notes

Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG(108).

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

Revision Date	28/06/2013
Revision	2
Supersedes Date	23/06/2011
Risk Phrases In Full	
R10	Flammable.
R11	Highly flammable.
R23/24/25	Toxic by inhalation, in contact with skin and if swallowed.
R36	Irritating to eyes.
R38	Irritating to skin.
R39/23/24/25	Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
R48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R63	Possible risk of harm to the unborn child.
R65	Harmful: may cause lung damage if swallowed.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.
Hazard Statements In Full	
EUH066	Repeated exposure may cause skin dryness or cracking.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H336	May cause drowsiness or dizziness.
H361d	Suspected of damaging the unborn child.
H370	Causes damage to organs <<Organs>>.
H373	May cause damage to organs <<Organs>> through prolonged or repeated exposure.



4. As Built Drawings

N/A





5. Testing & Commissioning Results and Certificates

N/A





6. Operation

N/A





7. Maintenance Procedures and Planned Maintenance





Cleaning and Maintenance Regimes

This maintenance schedule for **P23-025 Panattoni Poyle 80** and is to be followed from PC date 16.09.2024 year on year to ensure all plant and equipment is kept within warranty.

Please keep a log of these inspections so that records can be checked should an issue arise.

Code; ✓ Blue – Recommended ✓ Red – To Maintain Warranty

Item	Daily	Weekly	Monthly	3 Months	6 Months	9 Months	Annually	5 Yearly	Certificates	Regime
Walls									✓ Blue	When required only (When dirty Marks appear), wipe with a damp cloth and warm soapy water



8. Spares Information

N/A





9. Guarantees and Warranties

N/A





10. Replacement Strategy

N/A





11. Demolition Decommissioning or Disposal

N/A

