



# WOOD FINISHES DIRECT

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For purchasing information visit:  
[Morrells 250 Pre-Catalyst Lacquer](#)

# Product Data Sheet



## 9\*03/250 Range: Precatalyst Lacquers (941/XXX – 946/XXX Tinted Precat. Lacquers)

Code	Description	Code	Description
9901/250	90% Sheen	9203/250	20% Sheen
9503/250	50% Sheen	9103/250	10% Sheen
9403/250	40% Sheen	Basecoat	9004/250
9303/250	30% Sheen	Thinners	2007/000

<b>Technical Data</b>	A quality, medium solids, fast drying Precatalyst system formulated for general furniture finishing. This range utilises silica for sheen reduction and as a consequence can be used either over the recommended basecoat or coat-on-coat. This Range can also be used over 9004/280 High Solids Basecoat.
<b>Properties</b>	Meets the requirements of BS (FIRA Std) 6250 for horizontal surfaces (excluding kitchen worktops) in General Use.
<b>Mixing Guidelines</b>	Supplied ready for use (RFU) but can be thinned upto 5% by volume with the recommended thinner, 2007/000, if required.
<b>Typical Handling</b>	Touch Dry: 8 – 10 minutes @ 18°C Sandable: 30 minutes @ 18°C. Use 320 or finer Silicone Carbide paper. Recoatible: 30 minutes minimum @ 18°C Packing Time: Overnight minimum, dependent on conditions.
<b>Cleaning</b>	2007/100 should be used for cleaning equipment.
<b>Coverage</b>	Approximately 40m <sup>2</sup> per 5Lts dependent upon the size, orientation and surface quality of the item being coated.
<b>Tinting</b>	Use Morrells Light Fast Stains up to a maximum of 5%. Bespoke tints can be matched on request.
<b>System Guidelines</b>	Morrells recommends the following guidance for use of this product range:  <b>Typical Finish:</b> 1-3 coats at 75g/m <sup>2</sup> per coat (Dry Film Thickness ~ 20µ per coat) coat on coat or over Morrells recommended basecoat/sealer.  Using these products in systems outside these guidelines can lead to immediate and latent problems with the integrity of the finish.
<b>Important Information</b>	<ul style="list-style-type: none"> <li>➤ Designed for spray application.</li> <li>➤ Use only the recommended thinner. Use of non-recommended thinner can cause uneven/patchy drying.</li> <li>➤ Excessive coating weights can lead to cracking or lifting.</li> </ul>



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



	<ul style="list-style-type: none"> <li>➤ Leave adequate time between coats. Do not apply more than 3 coats in one day. Denib between coats to aid adhesion.</li> <li>➤ Do not overcoat with 1K or 2K Polyurethane (PU) products.</li> <li>➤ This range is not suitable for 'pulling over'.</li> <li>➤ Use 2007/200 Anti-Chill Thinners when applying in conditions of high atmospheric humidity, using a maximum of 5% by volume.</li> <li>➤ Use 2007/201 Retarder Thinners to slow down the drying in warm conditions, using a maximum of 5% by volume.</li> <li>➤ Product should be stored above 5°C and protected from frost.</li> <li>➤ Optimum application is achieved between 18°C and 22°C with good air movement and ventilation.</li> <li>➤ Finished products should not be subjected to environments with temperatures of &lt; 2°C.</li> <li>➤ Out of scope with 2004/42/EC.</li> </ul>
<p><b>Health &amp; Safety</b></p>	<p>Reference should be made to the appropriate MSDS for this product range, which can be found at <a href="http://www.morrells.co.uk">www.morrells.co.uk</a></p> <p>The use of appropriate personal protection equipment (PPE) is recommended.</p> <p>These products are intended for <b>professional use</b> 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**  
**9503/250 Range of Precatalyst Lacquer**

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

**1.1. Product identifier**

**Product Name** 9503/250 Range of Precatalyst Lacquer  
**Product No.** 9503/250 to 9103/250

**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; Eye Dam. 1 - H318; STOT Single 3 - H336
Environmental	Not classified.

**Classification (1999/45)** Xi; R41. F; R11. R66, R67.

**Human Health**

In high concentrations, vapours and aerosol mists have a narcotic effect and may cause headache, fatigue, dizziness and nausea.

**Physical And Chemical Hazards**

The product is highly flammable, and explosive vapours/air mixtures may be formed even at normal room temperatures.

**2.2. Label elements**

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



**Signal Word** Danger

**Hazard Statements**

H225	Highly flammable liquid and vapour.
H318	Causes serious eye damage.
H336	May cause drowsiness or dizziness.

**Precautionary Statements**

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

## 9503/250 Range of Precatalyst Lacquer

P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

### 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.  
 P271 Use only outdoors or in a well-ventilated area.  
 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.  
 P310 Immediately call a POISON CENTER or doctor/physician.  
 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.  
 P501 Dispose of contents/container to ...

### Supplemental Label Information

EUH066 Repeated exposure may cause skin dryness or cracking.

### 2.3. Other hazards

This product does not contain any PBT or vPvB Substances.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2. Mixtures

<b>BUTANOL-norm</b>	<b>5-10%</b>
<b>CAS-No.: 71-36-3</b>	<b>EC No.: 200-751-6</b>
Classification (EC 1272/2008) Flam. Liq. 3 - H226 Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 STOT Single 3 - H335 STOT Single 3 - H336	Classification (67/548) R10 Xn;R22 Xi;R37/38,R41 R67
<b>BUTYL ACETATE -norm</b>	<b>10-30%</b>
<b>CAS-No.: 123-86-4</b>	<b>EC No.: 204-658-1</b>
Classification (EC 1272/2008) Flam. Liq. 3 - H226 EUH066 STOT Single 3 - H336	Classification (67/548) R10 R66 R67
<b>ETHANOL</b>	<b>10-30%</b>
<b>CAS-No.: 64-17-5</b>	<b>EC No.: 200-578-6</b>
Classification (EC 1272/2008) Flam. Liq. 2 - H225	Classification (67/548) F;R11

## 9503/250 Range of Precatalyst Lacquer

<b>ISOBUTYL ACETATE</b>		<b>10-30%</b>
<b>CAS-No.: 110-19-0</b>	<b>EC No.: 203-745-1</b>	
Classification (EC 1272/2008) Flam. Liq. 2 - H225 EUH066	Classification (67/548) F;R11 R66	
<b>METHANOL</b>		<b>&lt; 1%</b>
<b>CAS-No.: 67-56-1</b>	<b>EC No.: 200-659-6</b>	
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	
<b>PROPAN-1-OL</b>		<b>10-30%</b>
<b>CAS-No.: 71-23-8</b>	<b>EC No.: 200-746-9</b>	
Classification (EC 1272/2008) Flam. Liq. 2 - H225 Eye Dam. 1 - H318 STOT Single 3 - H336	Classification (67/548) F;R11 Xi;R41 R67	
<b>XYLENE</b>		<b>1-5%</b>
<b>CAS-No.: 1330-20-7</b>	<b>EC No.: 215-535-7</b>	
Classification (EC 1272/2008) Flam. Liq. 3 - H226 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315	Classification (67/548) R10 Xn;R20/21 Xi;R38	

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**

# 9503/250 Range of Precatalyst Lacquer

## 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
BUTANOL-norm	WEL			50 ppm(Sk)	154 mg/m3(Sk)	
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	
PROPAN-1-OL	WEL	200 ppm(Sk)	500 mg/m3(Sk)	250 ppm(Sk)	625 mg/m3(Sk)	
XYLENE	WEL	50 ppm(Sk)	220 mg/m3(Sk)	100 ppm(Sk)	441 mg/m3(Sk)	

WEL = Workplace Exposure Limit.

#### **Ingredient Comments**

WEL = Workplace Exposure Limits

### 8.2. Exposure controls

#### **Protective Equipment**

## 9503/250 Range of Precatalyst Lacquer



### 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
Colour	Colourless to pale yellow
Odour	Organic solvents.
Solubility	Immiscible with water
Initial Boiling Point and Boiling Range:	98
Flash Point (°C)	11

### 9.2. Other information

Volatile Organic Compound (VOC) 665-670 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

Not determined.

### 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 (CO<sub>2</sub>).

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

#### Toxicological Information

No information available.

#### 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.



# 9503/250 Range of Precatalyst Lacquer

## 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:

The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment. 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

Not determined.

## SECTION 13: DISPOSAL CONSIDERATIONS

### General Information

When handling waste, consideration should be made to the safety precautions applying to handling of the product. Rags and the like, moistened with flammable liquids, must be discarded into designated fireproof bucket.

### 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

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 II

### 14.5. Environmental hazards

# 9503/250 Range of Precatalyst Lacquer

Environmentally Hazardous Substance/Marine Pollutant

No.

## 14.6. Special precautions for user

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**

Health and Safety at Work Act 1974. 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. CHIP for everyone HSG(108).

##### **National Regulations**

The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 ("CDG 2009"), SI 2009 No 1348

#### 15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

### SECTION 16: OTHER INFORMATION

Issued By HS&E Manager.

Revision Date 28/06/2013

Revision 2

Supersedes Date 23/06/2011

##### **Risk Phrases In Full**

R10 Flammable.  
R11 Highly flammable.  
R20/21 Harmful by inhalation and in contact with skin.  
R22 Harmful if swallowed.  
R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.  
R37/38 Irritating to respiratory system and skin.  
R38 Irritating to skin.  
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.  
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.  
H302 Harmful if swallowed.  
H311 Toxic in contact with skin.  
H312 Harmful in contact with skin.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H331 Toxic if inhaled.  
H332 Harmful if inhaled.  
H335 May cause respiratory irritation.  
H336 May cause drowsiness or dizziness.  
H370 Causes damage to organs <<Organs>>.



**SAFETY DATA SHEET**  
**9901/250 GLOSS PRECATALYST LACQUER**

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

**1.1. Product identifier**

**Product Name** 9901/250 GLOSS PRECATALYST LACQUER  
**Product No.** 9901/250

**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; Eye Dam. 1 - H318; STOT Single 3 - H336
Environmental	Not classified.

**Classification (1999/45)** Xi; R41. F; R11. R66, R67.

**Human Health**

In high concentrations, vapours and aerosol mists have a narcotic effect and may cause headache, fatigue, dizziness and nausea.

**Physical And Chemical Hazards**

The product is highly flammable, and explosive vapours/air mixtures may be formed even at normal room temperatures.

**2.2. Label elements**

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



**Signal Word** Danger

**Hazard Statements**

H225	Highly flammable liquid and vapour.
H318	Causes serious eye damage.
H336	May cause drowsiness or dizziness.

**Precautionary Statements**

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

## 9901/250 GLOSS PRECATALYST LACQUER

P280	Wear protective gloves/protective clothing/eye protection/face protection.
P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

### 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.
P271	Use only outdoors or in a well-ventilated area.
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.
P310	Immediately call a POISON CENTER or doctor/physician.
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.
P501	Dispose of contents/container to ...

### 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

<b>BUTANOL-norm</b>	<b>5-10%</b>
<b>CAS-No.: 71-36-3</b>	<b>EC No.: 200-751-6</b>
Classification (EC 1272/2008) Flam. Liq. 3 - H226 Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 STOT Single 3 - H335 STOT Single 3 - H336	Classification (67/548) R10 Xn;R22 Xi;R37/38,R41 R67
<b>BUTYL ACETATE -norm</b>	<b>10-30%</b>
<b>CAS-No.: 123-86-4</b>	<b>EC No.: 204-658-1</b>
Classification (EC 1272/2008) Flam. Liq. 3 - H226 EUH066 STOT Single 3 - H336	Classification (67/548) R10 R66 R67
<b>ETHANOL</b>	<b>10-30%</b>
<b>CAS-No.: 64-17-5</b>	<b>EC No.: 200-578-6</b>
Classification (EC 1272/2008) Flam. Liq. 2 - H225	Classification (67/548) F;R11

**9901/250 GLOSS PRECATALYST LACQUER**

<b>ISOBUTYL ACETATE</b>		<b>10-30%</b>
<b>CAS-No.: 110-19-0</b>	<b>EC No.: 203-745-1</b>	
Classification (EC 1272/2008) Flam. Liq. 2 - H225 EUH066	Classification (67/548) F;R11 R66	
<b>METHANOL</b>		<b>&lt; 1%</b>
<b>CAS-No.: 67-56-1</b>	<b>EC No.: 200-659-6</b>	
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	
<b>PROPAN-1-OL</b>		<b>1-5%</b>
<b>CAS-No.: 71-23-8</b>	<b>EC No.: 200-746-9</b>	
Classification (EC 1272/2008) Flam. Liq. 2 - H225 Eye Dam. 1 - H318 STOT Single 3 - H336	Classification (67/548) F;R11 Xi;R41 R67	
<b>PROPAN-2-OL</b>		<b>5-10%</b>
<b>CAS-No.: 67-63-0</b>	<b>EC No.: 200-661-7</b>	
Classification (EC 1272/2008) Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT Single 3 - H336	Classification (67/548) F;R11 Xi;R36 R67	
<b>XYLENE</b>		<b>1-5%</b>
<b>CAS-No.: 1330-20-7</b>	<b>EC No.: 215-535-7</b>	
Classification (EC 1272/2008) Flam. Liq. 3 - H226 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315	Classification (67/548) R10 Xn;R20/21 Xi;R38	

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.

# 9901/250 GLOSS PRECATALYST LACQUER

## 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
BUTANOL-norm	WEL			50 ppm(Sk)	154 mg/m3(Sk)	
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	
PROPAN-1-OL	WEL	200 ppm(Sk)	500 mg/m3(Sk)	250 ppm(Sk)	625 mg/m3(Sk)	
PROPAN-2-OL	WEL	400 ppm	999 mg/m3	500 ppm	1250 mg/m3	
XYLENE	WEL	50 ppm(Sk)	220 mg/m3(Sk)	100 ppm(Sk)	441 mg/m3(Sk)	

# 9901/250 GLOSS PRECATALYST LACQUER

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
Colour	Colourless to pale yellow
Odour	Organic solvents.
Solubility	Immiscible with water
Initial Boiling Point and Boiling Range:	98
Flash Point (°C)	11

### 9.2. Other information

Volatile Organic Compound (VOC) 672 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

Not determined.

### 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 (CO<sub>2</sub>).

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

#### Toxicological Information

No information available.



# 9901/250 GLOSS PRECATALYST LACQUER

## 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:

The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment. 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

Not determined.

## SECTION 13: DISPOSAL CONSIDERATIONS

### General Information

When handling waste, consideration should be made to the safety precautions applying to handling of the product. Rags and the like, moistened with flammable liquids, must be discarded into designated fireproof bucket.

### 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

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 II

**14.5. Environmental hazards**

Environmentally Hazardous Substance/Marine Pollutant

No.

**14.6. Special precautions for user**

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**

Health and Safety at Work Act 1974. 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. CHIP for everyone HSG(108).

**National Regulations**

The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 ("CDG 2009"), SI 2009 No 1348

**15.2. Chemical Safety Assessment**

No chemical safety assessment has been carried out.

**SECTION 16: OTHER INFORMATION**

**Issued By** HS&E Manager.

**Revision Date** 10/09/2015

**Revision** 2

**Supersedes Date** 23/06/2011

**Risk Phrases In Full**

R10	Flammable.
R11	Highly flammable.
R20/21	Harmful by inhalation and in contact with skin.
R22	Harmful if swallowed.
R23/24/25	Toxic by inhalation, in contact with skin and if swallowed.
R36	Irritating to eyes.
R37/38	Irritating to respiratory system and skin.
R38	Irritating to skin.
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.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.

## 9901/250 GLOSS PRECATALYST LACQUER

### 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.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H370	Causes damage to organs <<Organs>>.

**SAFETY DATA SHEET**  
**9004/250 PRECAT BASECOAT**

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

**1.1. Product identifier**

**Product Name** 9004/250 PRECAT BASECOAT

**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;Acute Tox. 4 - H302;Acute Tox. 4 - H312;Acute Tox. 4 - H332;Eye Irrit. 2 - H319;STOT Single 2 - H371
Environmental	Not classified.

**Classification (1999/45)** Xn;R20/21/22, R68/20/21/22. Xi;R36. F;R11. R66.

**Human Health**

In high concentrations, vapours and aerosol mists have a narcotic effect and may cause headache, fatigue, dizziness and nausea.

**Environment**

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

**Physical And Chemical Hazards**

The product is highly flammable, and explosive vapours/air mixtures may be formed even at normal room temperatures.

**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.

## 9004/250 PRECAT BASECOAT

H319	Causes serious eye irritation.
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.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
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

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.
P337	If eye irritation persists:
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 ...

### 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

ACETONE	5-10%
CAS-No.: 67-64-1	EC No.: 200-662-2
Classification (EC 1272/2008)	Classification (67/548)
Flam. Liq. 2 - H225	F;R11
EUH066	Xi;R36
Eye Irrit. 2 - H319	R66
STOT Single 3 - H336	R67

**9004/250 PRECAT BASECOAT**

<b>BUTANOL-norm</b>		<b>5-10%</b>
<b>CAS-No.: 71-36-3</b>	<b>EC No.: 200-751-6</b>	
Classification (EC 1272/2008) Flam. Liq. 3 - H226 Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 STOT Single 3 - H335 STOT Single 3 - H336	Classification (67/548) R10 Xn;R22 Xi;R37/38,R41 R67	
<b>BUTYL ACETATE -norm</b>		<b>10-30%</b>
<b>CAS-No.: 123-86-4</b>	<b>EC No.: 204-658-1</b>	
Classification (EC 1272/2008) Flam. Liq. 3 - H226 EUH066 STOT Single 3 - H336	Classification (67/548) R10 R66 R67	
<b>ETHANOL</b>		<b>10-30%</b>
<b>CAS-No.: 64-17-5</b>	<b>EC No.: 200-578-6</b>	
Classification (EC 1272/2008) Flam. Liq. 2 - H225	Classification (67/548) F;R11	
<b>ISOBUTYL ACETATE</b>		<b>10-30%</b>
<b>CAS-No.: 110-19-0</b>	<b>EC No.: 203-745-1</b>	
Classification (EC 1272/2008) Flam. Liq. 2 - H225 EUH066	Classification (67/548) F;R11 R66	
<b>METHANOL</b>		<b>5-10%</b>
<b>CAS-No.: 67-56-1</b>	<b>EC No.: 200-659-6</b>	
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	
<b>PROPAN-1-OL</b>		<b>1-5%</b>
<b>CAS-No.: 71-23-8</b>	<b>EC No.: 200-746-9</b>	
Classification (EC 1272/2008) Flam. Liq. 2 - H225 Eye Dam. 1 - H318 STOT Single 3 - H336	Classification (67/548) F;R11 Xi;R41 R67	

# 9004/250 PRECAT BASECOAT

XYLENE		1-5%
CAS-No.: 1330-20-7	EC No.: 215-535-7	
Classification (EC 1272/2008) Flam. Liq. 3 - H226 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315	Classification (67/548) R10 Xn;R20/21 Xi;R38	

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

## 9004/250 PRECAT BASECOAT

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	
BUTANOL-norm	WEL			50 ppm(Sk)	154 mg/m3(Sk)	
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	
PROPAN-1-OL	WEL	200 ppm(Sk)	500 mg/m3(Sk)	250 ppm(Sk)	625 mg/m3(Sk)	
XYLENE	WEL	50 ppm(Sk)	220 mg/m3(Sk)	100 ppm(Sk)	441 mg/m3(Sk)	

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
Colour	Colourless to pale yellow
Initial Boiling Point and Boiling Range:	98
Flash Point (°C)	10

### 9.2. Other information

Volatile Organic Compound (VOC)	675 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 (CO<sub>2</sub>).

**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

# 9004/250 PRECAT BASECOAT

## 14.2 UN Proper Shipping Name

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

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**

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 08/12/2011

Revision 1

Supersedes Date 23/06/2011

## 9004/250 PRECAT BASECOAT

### Risk Phrases In Full

R10	Flammable.
R11	Highly flammable.
R20/21	Harmful by inhalation and in contact with skin.
R22	Harmful if swallowed.
R23/24/25	Toxic by inhalation, in contact with skin and if swallowed.
R36	Irritating to eyes.
R37/38	Irritating to respiratory system and skin.
R38	Irritating to skin.
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.
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.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H370	Causes damage to organs <<Organs>>.

**SAFETY DATA SHEET**  
**2007/000 CELLULOSE THINNERS**

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

**1.1. Product identifier**

**Product Name** 2007/000 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	Skin Irrit. 2 - H315; Eye Dam. 1 - H318; Repr. 2 - H361d; STOT Single 3 - H336; STOT Rep. 2 - H373; Asp. Tox. 1 - H304
Environmental	Not classified.

**Classification (1999/45)**

Xn; R48/20, R65. Repr. Cat. 3; R63. Xi; R38, R41. F; R11. R67.

**2.2. Label elements**

**Contains:** TOLUENE

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



**Signal Word**

Danger

**Hazard Statements**

H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H336	May cause drowsiness or dizziness.
H361d	Suspected of damaging the unborn child.
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.

## 2007/000 CELLULOSE THINNERS

P271	Use only outdoors or in a well-ventilated area.
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.
P501	Dispose of contents/container to ...

### 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.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash ... thoroughly after handling.
P301+310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
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.
P310	Immediately 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).
P331	Do NOT induce vomiting.
P332+313	If skin irritation occurs: Get medical advice/attention.
P362	Take off contaminated clothing and wash before reuse.
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.

### 2.3. Other hazards

This product does not contain any PBT or vPvB Substances.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2. Mixtures

<b>ACETONE</b>	<b>5-10%</b>
<b>CAS-No.: 67-64-1</b>	<b>EC No.: 200-662-2</b>
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
<b>BUTANOL-norm</b>	<b>5-10%</b>
<b>CAS-No.: 71-36-3</b>	<b>EC No.: 200-751-6</b>

## 2007/000 CELLULOSE THINNERS

Classification (EC 1272/2008) Flam. Liq. 3 - H226 Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 STOT Single 3 - H335 STOT Single 3 - H336	Classification (67/548) R10 Xn;R22 Xi;R37/38,R41 R67
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<b>BUTYL ACETATE -norm</b>	<b>5-10%</b>
<b>CAS-No.: 123-86-4</b>	<b>EC No.: 204-658-1</b>

Classification (EC 1272/2008) Flam. Liq. 3 - H226 EUH066 STOT Single 3 - H336	Classification (67/548) R10 R66 R67
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<b>PROPAN-1-OL</b>	<b>1-5%</b>
<b>CAS-No.: 71-23-8</b>	<b>EC No.: 200-746-9</b>

Classification (EC 1272/2008) Flam. Liq. 2 - H225 Eye Dam. 1 - H318 STOT Single 3 - H336	Classification (67/548) F;R11 Xi;R41 R67
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<b>TOLUENE</b>	<b>60-100%</b>
<b>CAS-No.: 108-88-3</b>	<b>EC No.: 203-625-9</b>

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
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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

# 2007/000 CELLULOSE THINNERS

## 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/m <sup>3</sup>	1500 ppm	3620 mg/m <sup>3</sup>	
BUTANOL-norm	WEL			50 ppm(Sk)	154 mg/m <sup>3</sup> (Sk)	
BUTYL ACETATE -norm	WEL	150 ppm	724 mg/m <sup>3</sup>	200 ppm	966 mg/m <sup>3</sup>	
PROPAN-1-OL	WEL	200 ppm(Sk)	500 mg/m <sup>3</sup> (Sk)	250 ppm(Sk)	625 mg/m <sup>3</sup> (Sk)	
TOLUENE	WEL	50 ppm(Sk)	191 mg/m <sup>3</sup> (Sk)	150 ppm(Sk)	574 mg/m <sup>3</sup> (Sk)	

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.

# 2007/000 CELLULOSE THINNERS

## 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:	97
Flash Point (°C)	6

### 9.2. Other information

Volatile Organic Compound (VOC) 857 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 (CO<sub>2</sub>).

## 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****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.

**Approved Code Of Practice**

Classification and Labelling of Substances and Preparations Dangerous for Supply.

# 2007/000 CELLULOSE THINNERS

## 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.  
R22 Harmful if swallowed.  
R36 Irritating to eyes.  
R37/38 Irritating to respiratory system and skin.  
R38 Irritating to skin.  
R41 Risk of serious damage to eyes.  
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.  
H302 Harmful if swallowed.  
H304 May be fatal if swallowed and enters airways.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.  
H336 May cause drowsiness or dizziness.  
H361d Suspected of damaging the unborn child.  
H373 May cause damage to organs <<Organs>> through prolonged or repeated exposure.

**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.

## 2007/100 gun cleaner

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

## 2007/100 gun cleaner

<b>ACETONE</b>		<b>30-60%</b>
<b>CAS-No.: 67-64-1</b>		<b>EC No.: 200-662-2</b>
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	
<b>BUTYL ACETATE -norm</b>		<b>10-30%</b>
<b>CAS-No.: 123-86-4</b>		<b>EC No.: 204-658-1</b>
Classification (EC 1272/2008) Flam. Liq. 3 - H226 EUH066 STOT Single 3 - H336	Classification (67/548) R10 R66 R67	
<b>METHANOL</b>		<b>5-10%</b>
<b>CAS-No.: 67-56-1</b>		<b>EC No.: 200-659-6</b>
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	
<b>TOLUENE</b>		<b>30-60%</b>
<b>CAS-No.: 108-88-3</b>		<b>EC No.: 203-625-9</b>
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**



# 2007/100 gun cleaner

## 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 (CO<sub>2</sub>).

## 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

# 2007/100 gun cleaner

## 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.



# 2007/100 gun cleaner

## 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.