The following Safety Datasheet is provided by Morrells

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

For purchasing information visit:
Morrells 440 Acid-Catalyst Lacquer
# 5**3/440 Range: High Build, Fast Dry Acid Catalyst Lacquer

543/ - 546/: Tinted High Build, Fast Dry Acid Catalyst Lacquers

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Code</th>
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<tbody>
<tr>
<td>5901/440</td>
<td>90% Sheen</td>
<td>5203/440</td>
<td>20% Sheen</td>
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<td>5503/440</td>
<td>50% Sheen</td>
<td>5103/440</td>
<td>10% Sheen</td>
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<tr>
<td>5403/440</td>
<td>40% Sheen</td>
<td>5CAT/200</td>
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<tr>
<td>5303/440</td>
<td>30% Sheen</td>
<td>Thinners</td>
<td>2007/900</td>
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</table>

## 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 up to 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 40m² 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/m² 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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**Morrells Woodfinishes Ltd, Wellington Works, Mill Lane, Woodley, Stockport, Cheshire, SK6 1RN**
**Tel: 08705 60 61 62 Fax: 08705 604 604 Email: enquiries@morrells.co.uk Web: www.morrells.co.uk**
**Registered Office: Morrells Woodfinishes Limited, Company no. 785935 VAT Reg No GB 712 5048 66**
### Important Information

- 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.

### Health & Safety

Reference should be made to the appropriate MSDS for this product range, which can be found at [www.morrells.co.uk](http://www.morrells.co.uk)

The use of appropriate personal protection equipment (PPE) is recommended.

These products are intended for professional use only.

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
Classification (1999/45)
Environmental Not classified.
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.
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 extinguition.
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.

2.3. Other hazards

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

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<thead>
<tr>
<th>1-METHOXY-2-PROPA...</th>
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<td>CAS-No.: 107-98-2</td>
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<td>EC No.: 203-539-1</td>
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<td>EC No.: 204-626-7</td>
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<td>Classification (EC 1272/2008) Eye Irrit. 2 - H319</td>
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<td>Classification (67/548) R67</td>
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### 5901/440 Range of High Build Fast Dry AC Lacquer

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<tr>
<th>ETHANOL</th>
<th>10-30%</th>
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<tr>
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<td>EC No.: 200-578-6</td>
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<td>EC No.: 200-859-6</td>
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<td></td>
<td>T;R23/24/25;R39/23/24/25</td>
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<td>PROPAN-1-OL</td>
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<td>CAS-No.: 71-23-8</td>
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<td>R10;R66;R67.</td>
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<td>SOLVENT NAPTHA LOW BOILING POINT</td>
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<td></td>
<td>R10;R66;R67.</td>
</tr>
</tbody>
</table>

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.

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### 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
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

<table>
<thead>
<tr>
<th>Name</th>
<th>STD</th>
<th>TWA - 8 Hrs</th>
<th>STEL - 15 Min</th>
<th>Notes</th>
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<tr>
<td>1-METHOXY-2-PROpanol</td>
<td>WEL</td>
<td>100 ppm</td>
<td>375 mg/m3(Sk)</td>
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<td>4-HYDROxy-4-Methylpentan-2-ONE</td>
<td>WEL</td>
<td>50 ppm</td>
<td>241 mg/m3</td>
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<td>PROPAN-1-OL</td>
<td>WEL</td>
<td>200 ppm</td>
<td>500 mg/m3(Sk)</td>
<td>625 mg/m3(Sk)</td>
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<td>SOLVENT NAPTHA LOW BOILING POINT</td>
<td>WEL</td>
<td>600 ppm</td>
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</table>
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

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).

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.
### 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

<table>
<thead>
<tr>
<th>Component</th>
<th>Volume</th>
<th>CAS-No.</th>
<th>EC No.</th>
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<td>200-578-6</td>
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<tr>
<td>Flam. Liq. 2 - H225</td>
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<td></td>
<td>F:R11</td>
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| METHANOL                                  | 1-5%     | 67-56-1 | 200-659-6|
| Classification (EC 1272/2008)            |          |         |          |
| Flam. Liq. 2 - H225                      |          |         | F:R11    |
| Acute Tox. 3 - H301                      |          |         | T:R23/24/25,R39/23/24/25 |
| Acute Tox. 3 - H311                      |          |         |          |
| Acute Tox. 3 - H331                      |          |         |          |
| STOT Single 1 - H370                     |          |         |          |

| TOLUENESULPHONIC ACID -para <= 5% H2SO4 | 10-30%   | 104-15-4| 203-180-0|
|Classification (EC 1272/2008)            |          |         |          |
| Flam. Liq. 2 - H225                      |          |         | F:R11    |
| Acute Tox. 3 - H301                      |          |         | T:R23/24/25,R39/23/24/25 |
| Acute Tox. 3 - H311                      |          |         |          |
| Acute Tox. 3 - H331                      |          |         |          |
| STOT Single 1 - H370                     |          |         |          |
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

<table>
<thead>
<tr>
<th>Name</th>
<th>STD</th>
<th>TWA - 8 Hrs</th>
<th>STEL - 15 Min</th>
<th>Notes</th>
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</table>

WEL = Workplace Exposure Limit.

### 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**
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

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<tr>
<td>UN No. (ICAO)</td>
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#### 14.2 UN Proper Shipping Name

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<td>FLAMMABLE LIQUID, NOS</td>
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#### 14.3 Transport hazard class(es)

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<td>IMDG Class</td>
<td>3.2</td>
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<tr>
<td>ICAO Class/Division</td>
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</table>
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 MARPOL 73/78 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».
## 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.

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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<td>R66</td>
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<tr>
<td>STOT Single 1 - H370</td>
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</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Name</th>
<th>STD</th>
<th>TWA - 8 Hrs</th>
<th>STEL - 15 Min</th>
<th>Notes</th>
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<td>724 mg/m³</td>
<td>187 ppm 903 mg/m³</td>
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<td>200 ppm</td>
<td>266 mg/m³</td>
<td>250 ppm 333 mg/m³</td>
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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 °C
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
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

65 /
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 MARPOL 73/78 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; Rep. 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

<table>
<thead>
<tr>
<th>ACETONE</th>
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<td>R66</td>
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<td>Acute Tox. 3 - H331</td>
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<td>Repr. 2 - H361d</td>
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<td>R67</td>
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<td>STOT Rep. 2 - H373</td>
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<td>Asp. Tox. 1 - H304</td>
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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

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

<table>
<thead>
<tr>
<th>Name</th>
<th>STD</th>
<th>TWA - 8 Hrs</th>
<th>STEL - 15 Min</th>
<th>Notes</th>
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<td>500 ppm</td>
<td>1210 mg/m3</td>
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<tr>
<td>BUTYL ACETATE</td>
<td>WEL</td>
<td>150 ppm</td>
<td>724 mg/m3</td>
<td>200 ppm</td>
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<td>METHANOL</td>
<td>WEL</td>
<td>200 ppm</td>
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<td>TOLUENE</td>
<td>WEL</td>
<td>50 ppm(Sk)</td>
<td>191 mg/m3(Sk)</td>
<td>150 ppm(Sk)</td>
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</tbody>
</table>

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**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
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<tbody>
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<td>Appearance</td>
<td>Liquid</td>
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<tr>
<td>Odour</td>
<td>Characteristic</td>
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<tr>
<td>Initial Boiling Point and Boiling Range</td>
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<td>Flash Point (°C)</td>
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**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**

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**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

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
15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

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<td>2</td>
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<tr>
<td>Supersedes Date</td>
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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.