



# WOOD FINISHES DIRECT

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For purchasing information visit:  
[Morrells 440 Acid-Catalyst Lacquer](#)

# Product Data Sheet



**5\*\*3/440 Range: High Build, Fast Dry Acid Catalyst Lacquer**  
**543/ - 546/ : Tinted High Build, Fast Dry Acid Catalyst Lacquers**

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

<b>Technical Data</b>	A very quick drying and easy sanding acid catalyst lacquer designed for manual or automatic spray application.
<b>Properties</b>	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.
<b>Mixing Guidelines</b>	Catalyse 9 parts lacquer to 1 part 5CAT/200 by volume and mix well prior to use. The catalysed lacquer should ready for use (RFU) but can be thinned upto 5% by volume with the recommended thinner, 2007/900, if required. Under normal conditions these products will have a workable pot-life of 36 hours after catalysis.
<b>Typical Handling</b>	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.
<b>Cleaning</b>	2007/100 should be used for equipment cleaning.
<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% (after catalysis).
<b>System Guidelines</b>	Morrells recommends the following guidance for use of this product range:  <b>Typical Finish:</b> 2-3 coats at 75g/m <sup>2</sup> per coat (Dry Film Thickness ~ 31µ per coat) applied coat-on-coat.  Using these products in systems outside these guidelines can lead to immediate and latent problems with the integrity of the finish.



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



<p><b>Important Information</b></p>	<ul style="list-style-type: none"> <li>➤ Designed for spray application.</li> <li>➤ Under catalysing or over catalysing can cause impairment of cure and cracking.</li> <li>➤ Excessive coating weights can lead to cracking or lifting.</li> <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>➤ Morrells do not recommend the mixing of catalysed material with fresh material. Always catalyse the right amount for the job.</li> <li>➤ Use only the recommended thinner. Use of non-recommended thinner can cause uneven/patchy drying.</li> <li>➤ Do not use over pigmented bases or with NC, Shellac or Precatalysed Sealers.</li> <li>➤ Some timbers (e.g. cherry, maple etc) are prone to discoloration or reddening when using acid catalyst lacquers.</li> <li>➤ 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.</li> <li>➤ Douse all waste materials associated with this/these materials with water before disposal and avoid prolonged/excessive exposure to heat.</li> <li>➤ Store all waste materials in secure metal container outside, away from combustible materials overnight.</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**  
**5901/440 Range of High Build Fast Dry AC Lacquer**

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

**1.1. Product identifier**

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

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

**Identified uses** Industrial wood coating.

**1.3. Details of the supplier of the safety data sheet**

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

**1.4. Emergency telephone number**

0161 406 5300 DURING OFFICE HOURS

**SECTION 2: HAZARDS IDENTIFICATION**

**2.1. Classification of the substance or mixture**

**Classification (EC 1272/2008)**

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

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

**Human Health**

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

**Environment**

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

**Physical And Chemical Hazards**

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

**2.2. Label elements**

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



**Signal Word** Warning

**Hazard Statements**

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

## 5901/440 Range of High Build Fast Dry AC Lacquer

### Precautionary Statements

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

### Supplementary Precautionary Statements

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

### Supplemental Label Information

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

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2. Mixtures

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

## 5901/440 Range of High Build Fast Dry AC Lacquer

<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>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>SOLVENT NAPHTHA LOW BOILING POINT</b>	<b>&lt; 1%</b>
<b>CAS-No.: 64742-95-6</b>	<b>EC No.: 265-199-0</b>
Classification (EC 1272/2008) Flam. Liq. 3 - H226 EUH066 STOT Single 3 - H335, H336 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411	Classification (67/548) Xn;R65. Xi;R37. N;R51/53. R10,R66,R67.

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

### Composition Comments

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

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

#### Inhalation.

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

#### Ingestion

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

#### Skin Contact

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

#### Eye Contact

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

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

# 5901/440 Range of High Build Fast Dry AC Lacquer

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

### SECTION 5: FIREFIGHTING MEASURES

#### 5.1. Extinguishing media

##### Extinguishing Media

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

#### 5.2. Special hazards arising from the substance or mixture

##### Unusual Fire & Explosion Hazards

Fire causes formation of toxic gases.

##### Specific Hazards

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

#### 5.3. Advice for firefighters

##### Special Fire Fighting Procedures

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

##### Protective Measures In Fire

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

### SECTION 6: ACCIDENTAL RELEASE MEASURES

#### 6.1. Personal precautions, protective equipment and emergency procedures

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

#### 6.2. Environmental precautions

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

#### 6.3. Methods and material for containment and cleaning up

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

#### 6.4. Reference to other sections

### SECTION 7: HANDLING AND STORAGE

#### 7.1. Precautions for safe handling

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

#### 7.2. Conditions for safe storage, including any incompatibilities

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

##### Storage Class

Flammable liquid storage.

#### 7.3. Specific end use(s)

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1. Control parameters

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

# 5901/440 Range of High Build Fast Dry AC Lacquer

WEL = Workplace Exposure Limit.

## Ingredient Comments

WEL = Workplace Exposure Limits

## 8.2. Exposure controls

### Protective Equipment



### Process Conditions

Provide eyewash station.

### Engineering Measures

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

### Hand Protection

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

### Eye Protection

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

### Other Protection

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

### Hygiene Measures

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

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

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

### 9.2. Other information

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

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

### 10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

### 10.3. Possibility of hazardous reactions

### 10.4. Conditions to avoid

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

### 10.5. Incompatible materials

### 10.6. Hazardous decomposition products

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

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

#### Inhalation

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

#### Ingestion.

Gastrointestinal symptoms, including upset stomach.



# 5901/440 Range of High Build Fast Dry AC Lacquer

## Skin Contact

Repeated exposure may cause skin dryness or cracking.

## Eye Contact

Irritating and may cause redness and pain.

## SECTION 12: ECOLOGICAL INFORMATION

### Ecotoxicity:

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

### 12.1. Toxicity

### 12.2. Persistence and degradability

### 12.3. Bioaccumulative potential

### 12.4. Mobility in soil

### 12.5. Results of PBT and vPvB assessment

### 12.6. Other adverse effects

## SECTION 13: DISPOSAL CONSIDERATIONS

### General Information

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

### 13.1. Waste treatment methods

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

## SECTION 14: TRANSPORT INFORMATION

### 14.1. UN number

UN No. (ADR/RID/ADN) 1263

### 14.2 UN Proper Shipping Name

PAINT OR PAINT RELATED MATERIAL

### 14.3 Transport hazard class(es)

ADR/RID/ADN Class 3

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

ADR Label No. 3

Transport Labels



### 14.4. Packing group

ADR/RID/ADN Packing group III

### 14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant

No.

### 14.6. Special precautions for user

Emergency Action Code 3Y

Hazard No. (ADR) 33

Tunnel Restriction Code (D/E)

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

## SECTION 15: REGULATORY INFORMATION

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

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

**Statutory Instruments**

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

**Approved Code Of Practice**

Safety Data Sheets for Substances and Preparations.

**Guidance Notes**

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

**15.2. Chemical Safety Assessment**

## SECTION 16: OTHER INFORMATION

<b>Revision Date</b>	09/09/2015
<b>Revision</b>	2
<b>Supersedes Date</b>	21/03/2012
<b>Risk Phrases In Full</b>	
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.
<b>Hazard Statements In Full</b>	
EUH066	Repeated exposure may cause skin dryness or cracking.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H370	Causes damage to organs <<Organs>>.
H411	Toxic to aquatic life with long lasting effects.

**SAFETY DATA SHEET**  
**5CAT/200 MEDIUM STRENGTH CATALYST**

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

**1.1. Product identifier**

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

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

**Identified uses** Industrial wood coating. Catalyst

**1.3. Details of the supplier of the safety data sheet**

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

**1.4. Emergency telephone number**

0161 406 5300 DURING OFFICE HOURS

**SECTION 2: HAZARDS IDENTIFICATION**

**2.1. Classification of the substance or mixture**

**Classification (EC 1272/2008)**

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

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

**2.2. Label elements**

**Contains:** METHANOL

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



**Signal Word** Danger

**Hazard Statements**

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

**Precautionary Statements**

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

## 5CAT/200 MEDIUM STRENGTH CATALYST

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

### Supplementary Precautionary Statements

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

### 2.3. Other hazards

This product does not contain any PBT or vPvB Substances.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2. Mixtures

<b>ETHANOL</b>	<b>60-100%</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>METHANOL</b>	<b>1-5%</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>TOLUENESULPHONIC ACID -para &lt;= 5% H2SO4</b>	<b>10-30%</b>
<b>CAS-No.: 104-15-4</b>	<b>EC No.: 203-180-0</b>

# 5CAT/200 MEDIUM STRENGTH CATALYST

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

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

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

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

#### General Information

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

#### Inhalation.

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

#### Ingestion

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

#### Skin Contact

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

#### Eye Contact

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

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

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

## SECTION 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing media

#### Extinguishing Media

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

### 5.2. Special hazards arising from the substance or mixture

### 5.3. Advice for firefighters

#### Special Fire Fighting Procedures

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

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

### 6.2. Environmental precautions

### 6.3. Methods and material for containment and cleaning up

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

### 6.4. Reference to other sections

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

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

### 7.2. Conditions for safe storage, including any incompatibilities

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

#### Storage Class

Flammable liquid storage.

### 7.3. Specific end use(s)

# 5CAT/200 MEDIUM STRENGTH CATALYST

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

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

WEL = Workplace Exposure Limit.

#### Ingredient Comments

WEL = Workplace Exposure Limits

### 8.2. Exposure controls

#### Protective Equipment



#### Engineering Measures

Provide adequate general and local exhaust ventilation.

#### Respiratory Equipment

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

#### Hand Protection

Use protective gloves.

#### Eye Protection

Use approved safety goggles or face shield.

#### Other Protection

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

#### Hygiene Measures

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

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

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

### 9.2. Other information

Volatile Organic Compound (VOC) 701 g/litre

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

### 10.2. Chemical stability

Stable under normal temperature conditions.

### 10.3. Possibility of hazardous reactions

### 10.4. Conditions to avoid

Avoid heat. Avoid contact with oxidisers or reducing agents.

### 10.5. Incompatible materials

### 10.6. Hazardous decomposition products

Fire creates: Toxic gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

# 5CAT/200 MEDIUM STRENGTH CATALYST

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

#### **General Information**

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

#### **Inhalation**

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

#### **Ingestion.**

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

Narcotic effect.

#### **Skin Contact**

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

#### **Eye Contact**

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

#### **Route of entry**

Inhalation. Ingestion. Skin and/or eye contact.

#### **Target Organs**

Respiratory system, lungs

#### **Medical Symptoms**

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

## SECTION 12: ECOLOGICAL INFORMATION

#### **Ecotoxicity:**

There are no data on the ecotoxicity of this product.

### 12.1. Toxicity

### 12.2. Persistence and degradability

### 12.3. Bioaccumulative potential

### 12.4. Mobility in soil

### 12.5. Results of PBT and vPvB assessment

### 12.6. Other adverse effects

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

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

## SECTION 14: TRANSPORT INFORMATION

### 14.1. UN number

UN No. (ADR/RID/ADN) 1263

UN No. (IMDG) 1263

UN No. (ICAO) 1263

### 14.2 UN Proper Shipping Name

Proper Shipping Name PAINT OR PAINT RELATED PRODUCTS

Proper Shipping Name FLAMMABLE LIQUID, NOS

### 14.3 Transport hazard class(es)

ADR/RID/ADN Class 3

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

ADR Label No. 3

IMDG Class 3.2

ICAO Class/Division 3

Transport Labels

# 5CAT/200 MEDIUM STRENGTH CATALYST



## 14.4. Packing group

ADR/RID/ADN Packing group 5(c)

## 14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant

No.

## 14.6. Special precautions for user

Hazard No. (ADR) 33

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

## SECTION 15: REGULATORY INFORMATION

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

#### Uk Regulatory References

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

#### Statutory Instruments

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

#### Approved Code Of Practice

Classification and Labelling of Substances and Preparations Dangerous for Supply.

#### Guidance Notes

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

### 15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

## SECTION 16: OTHER INFORMATION

Revision Date 09/09/2015

Revision 3

Supersedes Date 23/06/2011

#### Risk Phrases In Full

R11 Highly flammable.

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

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

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

#### Hazard Statements In Full

H225 Highly flammable liquid and vapour.

H301 Toxic if swallowed.

H311 Toxic in contact with skin.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H331 Toxic if inhaled.

H335 May cause respiratory irritation.

H370 Causes damage to organs <<Organs>>.



**SAFETY DATA SHEET**  
**2007/900 HCF CELLULOSE THINNERS**

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

**1.1. Product identifier**

**Product Name** 2007/900 HCF CELLULOSE THINNERS

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

**Identified uses** Industrial wood coating.

**1.3. Details of the supplier of the safety data sheet**

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

**1.4. Emergency telephone number**

0161 406 5300 DURING OFFICE HOURS

**SECTION 2: HAZARDS IDENTIFICATION**

**2.1. Classification of the substance or mixture**

**Classification (EC 1272/2008)**

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

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

**2.2. Label elements**

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



**Signal Word** Danger

**Hazard Statements**

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

**Precautionary Statements**

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

**Supplementary Precautionary Statements**

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

## 2007/900 HCF CELLULOSE THINNERS

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

### Supplemental Label Information

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

This product does not contain any PBT or vPvB Substances.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2. Mixtures

<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>30-60%</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>1-5%</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

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

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

#### **General Information**

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

#### **Inhalation.**

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

#### **Ingestion**

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

#### **Skin Contact**

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

#### **Eye Contact**

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

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

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

## SECTION 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing media

#### **Extinguishing Media**

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

### 5.2. Special hazards arising from the substance or mixture

### 5.3. Advice for firefighters

#### **Special Fire Fighting Procedures**

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

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

### 6.2. Environmental precautions

### 6.3. Methods and material for containment and cleaning up

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

### 6.4. Reference to other sections

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

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

### 7.2. Conditions for safe storage, including any incompatibilities

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

#### **Storage Class**

Flammable liquid storage.

### 7.3. Specific end use(s)

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

## 2007/900 HCF CELLULOSE THINNERS

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

WEL = Workplace Exposure Limit.

### Ingredient Comments

WEL = Workplace Exposure Limits

### 8.2. Exposure controls

#### Protective Equipment



#### Engineering Measures

Provide adequate general and local exhaust ventilation.

#### Respiratory Equipment

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

#### Hand Protection

Use protective gloves.

#### Eye Protection

Use approved safety goggles or face shield.

#### Other Protection

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

#### Hygiene Measures

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

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

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

### 9.2. Other information

Volatile Organic Compound (VOC) 827 g/litre

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

### 10.2. Chemical stability

Stable under normal temperature conditions.

### 10.3. Possibility of hazardous reactions

### 10.4. Conditions to avoid

Avoid heat. Avoid contact with oxidisers or reducing agents.

### 10.5. Incompatible materials

### 10.6. Hazardous decomposition products

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

# 2007/900 HCF CELLULOSE THINNERS



## 14.4. Packing group

ADR/RID/ADN Packing group II

## 14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant

No.

## 14.6. Special precautions for user

Tunnel Restriction Code (D/E)

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

## SECTION 15: REGULATORY INFORMATION

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

#### Uk Regulatory References

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

#### Statutory Instruments

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

#### Approved Code Of Practice

Classification and Labelling of Substances and Preparations Dangerous for Supply.

#### Guidance Notes

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

### 15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

## SECTION 16: OTHER INFORMATION

Revision Date 28/06/2013

Revision 2

Supersedes Date 23/06/2011

#### Risk Phrases In Full

R10 Flammable.

R11 Highly flammable.

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

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

R66 Repeated exposure may cause skin dryness or cracking.

R67 Vapours may cause drowsiness and dizziness.

#### Hazard Statements In Full

EUH066 Repeated exposure may cause skin dryness or cracking.

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H301 Toxic if swallowed.

H311 Toxic in contact with skin.

H331 Toxic if inhaled.

H336 May cause drowsiness or dizziness.

H370 Causes damage to organs <<Organs>>.

**SAFETY DATA SHEET**  
**2007/100 gun cleaner**

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

**1.1. Product identifier**

**Product Name** 2007/100 gun cleaner

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

**Identified uses** Industrial wood coating.

**1.3. Details of the supplier of the safety data sheet**

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

**1.4. Emergency telephone number**

0161 406 5300 DURING OFFICE HOURS

**SECTION 2: HAZARDS IDENTIFICATION**

**2.1. Classification of the substance or mixture**

**Classification (EC 1272/2008)**

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

**Classification (1999/45)** Xn; R20/21/22, R68/20/21/22, R48/20, R65. Repr. Cat. 3; R63. Xi; R36/38. F; R11.

**2.2. Label elements**

**Contains:** METHANOL  
TOLUENE

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



**Signal Word** Danger

**Hazard Statements**

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

## 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**



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## Engineering Measures

Provide adequate general and local exhaust ventilation.

## Respiratory Equipment

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

## Hand Protection

Use protective gloves.

## Eye Protection

Use approved safety goggles or face shield.

## Other Protection

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

## Hygiene Measures

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

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

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

### 9.2. Other information

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

### 10.1. Reactivity

### 10.2. Chemical stability

Stable under normal temperature conditions.

### 10.3. Possibility of hazardous reactions

### 10.4. Conditions to avoid

Avoid heat. Avoid contact with oxidisers or reducing agents.

### 10.5. Incompatible materials

### 10.6. Hazardous decomposition products

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

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## Medical Symptoms

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

## SECTION 12: ECOLOGICAL INFORMATION

### Ecotoxicity:

There are no data on the ecotoxicity of this product.

#### 12.1. Toxicity

#### 12.2. Persistence and degradability

#### 12.3. Bioaccumulative potential

#### 12.4. Mobility in soil

#### 12.5. Results of PBT and vPvB assessment

#### 12.6. Other adverse effects

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

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

## SECTION 14: TRANSPORT INFORMATION

### 14.1. UN number

UN No. (ADR/RID/ADN) 1263

### 14.2 UN Proper Shipping Name

PAINT OR PAINT RELATED MATERIAL

Proper Shipping Name PAINT OR PAINT RELATED PRODUCTS

### 14.3 Transport hazard class(es)

ADR/RID/ADN Class 3

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

ADR Label No. 3

Transport Labels



### 14.4. Packing group

ADR/RID/ADN Packing group II

### 14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant

No.

### 14.6. Special precautions for user

Tunnel Restriction Code (D/E)

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

## SECTION 15: REGULATORY INFORMATION

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

#### Statutory Instruments

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

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## Approved Code Of Practice

Classification and Labelling of Substances and Preparations Dangerous for Supply.

## Guidance Notes

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

### 15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

## SECTION 16: OTHER INFORMATION

**Revision Date** 28/06/2013

**Revision** 2

**Supersedes Date** 23/06/2011

### **Risk Phrases In Full**

R10 Flammable.

R11 Highly flammable.

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

R36 Irritating to eyes.

R38 Irritating to skin.

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

R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.

R63 Possible risk of harm to the unborn child.

R65 Harmful: may cause lung damage if swallowed.

R66 Repeated exposure may cause skin dryness or cracking.

R67 Vapours may cause drowsiness and dizziness.

### **Hazard Statements In Full**

EUH066 Repeated exposure may cause skin dryness or cracking.

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H301 Toxic if swallowed.

H304 May be fatal if swallowed and enters airways.

H311 Toxic in contact with skin.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H331 Toxic if inhaled.

H336 May cause drowsiness or dizziness.

H361d Suspected of damaging the unborn child.

H370 Causes damage to organs <<Organs>>.

H373 May cause damage to organs <<Organs>> through prolonged or repeated exposure.