SAFETY DATA SHEET
Low Odour White Spirit

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier
Product name                  Low Odour White Spirit
SDS number                    22675
REACH registration number    01-2119463258-33-XXXX
EC number                     919-857-5

1.2. Relevant identified uses of the substance or mixture and uses advised against
Identified uses                For thinning oil colours and brush maintenance.
Uses advised against           Any use other than those identified.

1.3. Details of the supplier of the safety data sheet
Supplier                      Barrettine
                               Barrettine Works
                               St Ivel Way
                               Warmley
                               Bristol
                               BS30 8TY
                               Tel: 0117 960 0060
                               Fax: 0117 935 2437
                               sales@barrettine.co.uk

1.4. Emergency telephone number
Emergency telephone           +44 (0) 1270 502891

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
Classification
Physical hazards              Flam. Liq. 3 - H226
Health hazards                STOT SE 3 - H336 Asp. Tox. 1 - H304
Environmental hazards         Not Classified

Classification (67/548/EEC or 1999/45/EC)
Xn;R65. R10,R66,R67.

Human health
Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.

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

Physicochemical
The product is highly flammable. Vapours may form explosive mixtures with air.

2.2. Label elements
Low Odour White Spirit

EC number: 919-857-5

Pictogram

Signal word: Danger

Hazard statements

H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H336 May cause drowsiness or dizziness.

Precautionary statements

P102 Keep out of reach of children.
P261 Avoid breathing vapour/spray.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P331 Do NOT induce vomiting.
P405 Store locked up.
P501 Dispose of contents/container in accordance with national regulations.

Supplemental label information

EUH066 Repeated exposure may cause skin dryness or cracking.

Contains hydrocarbons C9-11, n-alkanes, isoalkanes, cyclics, <2% aromatics

Supplementary precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P243 Take precautionary measures against static discharge.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P403+P233+P235 Store in a well ventilated place. Keep container tightly closed. Keep cool

2.3. Other hazards

SECTION 3: Composition/Information on ingredients

3.2. Mixtures

<table>
<thead>
<tr>
<th>hydrocarbons C9-11, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics</th>
<th>60-100%</th>
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<tbody>
<tr>
<td>CAS number: —</td>
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Classification

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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

Move affected person to fresh air at once. Get medical attention if any discomfort continues. Keep away from heat, sparks and open flame.

Inhalation

If unconscious place patient on their side in the recovery position and ensure they are breathing. Clean nose and mouth with water.
Artificial respiration may be administered by suitably qualified first-aiders.
Low Odour White Spirit

Get medical attention if symptoms persist.

**Ingestion**
If swallowed do NOT induce vomiting. Never give anything by mouth to an unconscious person. If patient vomits keep head low to prevent vomit entering lungs. If conscious give 1 - 2 glasses of water to drink. Rinse mouth thoroughly and seek medical attention immediately. Keep patient at rest.

**Skin contact**
Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention promptly if symptoms occur after washing.

**Eye contact**
Promptly rinse eyes with plenty of clean water while lifting the eyelids. Continue to rinse for at least 15 minutes. Continue until the eyes are free of all traces of contamination. Get immediate medical attention.

**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**

Suitable extinguishing media
Extinguish with water spray, foam, carbon dioxide, dry powder, sand, dolomite or other inert material. Do not use high pressure water jet as this may spread burning material.

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

Specific hazards
Decomposition / combustion products include: Carbon monoxide (CO). Carbon dioxide (CO2). Vapours may form explosive mixtures with air. Vapours are heavier than air and may spread near ground and travel a considerable distance to a source of ignition and flash back.

**5.3. Advice for firefighters**

Protective actions during firefighting
Avoid breathing fire gases or vapours. Cool containers exposed to flames with water until well after the fire is out.

Special protective equipment for firefighters
Wear self-contained breathing apparatus and full protective clothing. Keep all unnecessary people away. Fire water run-off must not be allowed to contaminate ground or enter drains, sewers or water courses. Provide bunding against fire water run-off.

**SECTION 6: Accidental release measures**

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

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

**6.2. Environmental precautions**

Environmental precautions
Do not allow spilt material to enter drains or water courses. Cover all drains and sewers. Avoid spreading spilled material. Contain spillages with sand, earth or suitable inert absorbent material. Prevent further spillage if safe to do so. In the event of contamination of watercourses or sewers advise the Environment Agency, fire brigade and police.

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

Methods for cleaning up
Absorb in vermiculite, sand, diatomaceous earth or other inert absorbent material. Place into clearly labelled container for recovery or disposal (see section 13). Rinse site with copious amounts of water, which should not be allowed into drains, sewers or water courses.

**6.4. Reference to other sections**

**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**
Low Odour White Spirit

Usage precautions
Avoid spilling. Avoid contact with skin and eyes. Use only with adequate ventilation. Do not breathe vapour or mist.
Keep away from heat, sparks or flame. Containers and equipment must be bonded to avoid static discharge. Use only electrical equipment suitable for explosive atmospheres.

7.2. Conditions for safe storage, including any incompatibilities
Storage precautions
Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep away from heat, sparks and open flame. Keep away from food, drink and animal feeding stuffs. Store away from oxidising materials, acids and bases or damp conditions.

7.3. Specific end use(s)

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits
hydrocarbons C9-11, n-alkanes, isoalkanes, cyclics, <2% aromatics
Long-term exposure limit (8-hour TWA): WEL 1000 mg/m³

WEL = Workplace Exposure Limit

Ingredient comments
WEL = Workplace Exposure Limits

8.2. Exposure controls

Appropriate engineering controls
Provide adequate general and local exhaust ventilation.

Eye/face protection
Wear tightly fitting safety goggles conforming to EN 166.

Hand protection
Wear suitable protective gloves conforming to EN 374. Seek recommendations from manufacturer or supplier. After using gloves the hands should be washed and thoroughly dried and a suitable moisturiser applied.

Other skin and body 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 hands at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap and water if skin becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

Respiratory protection
If ventilation is insufficient suitable respiratory protection must be provided.
Seek advice and recommendations of the manufacturer or supplier of equipment

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance
Liquid.

Colour
Colourless.

Odour
Hydrocarbon solvent.

Initial boiling point and range
150 - 200°C @ °C at 760 mmHg

Flash point
>40°C PMCC (Pensky-Martens closed cup).
Low Odour White Spirit

**Evaporation rate**
65 (diethyl ether = 1)

**Upper/lower flammability or explosive limits**
Lower flammable/explosive limit: 0.6 Upper flammable/explosive limit: 8.0

**Vapour pressure**
4 hPa @ °C

**Relative density**
0.77 @ @ 15°C

**Solubility(ies)**
Immiscible with water.

**Partition coefficient**
Technically not feasible. Measured experimental data are not meaningful on substances of unknown or variable composition, complex reaction products and biological materials (UVCBs).

**Auto-ignition temperature**
>230°C

**Viscosity**
1.09 mm²/s - kinematic @ 40°C

**9.2. Other information**

**Volatile organic compound**
This product contains a maximum VOC content of 100 % (EC/1999/13).

**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

**10.2. Chemical stability**

**Stability**
Stable under normal conditions of storage and use. See section 7.

**10.3. Possibility of hazardous reactions**
Will not polymerise.

**10.4. Conditions to avoid**
Avoid contact with the following materials: Acids. Oxidising agents.

**10.5. Incompatible materials**

**10.6. Hazardous decomposition products**
Fires or excessive heat may give off toxic fumes and gases. Decomposition products may include carbon monoxide (CO) and carbon dioxide (CO2).

**SECTION 11: Toxicological information**

**11.1. Information on toxicological effects**

**Specific target organ toxicity - single exposure**

**Target organs**
Central nervous system

**Aspiration hazard**
Kinematic viscosity ≤ 20.5 mm²/s. If fluids enter the respiratory system (especially the lungs) may cause chemical pneumonia.

**Inhalation**
Exposure to solvent vapours may cause irritation of the throat, respiratory system and mucous membranes and have adverse effects on the kidneys, liver and central nervous system. Symptoms can include headache, dizziness, drowsiness, fatigue, and muscular weakness, In extreme cases resulting in loss of consciousness.
Low Odour White Spirit

Keep patients under observation as symptoms may occur well after exposure.

**Ingestion**
May cause discomfort if swallowed. Aspiration hazard if swallowed; harmful if liquid is aspirated into the lungs, may even prove fatal. Accidental swallowing of small quantities is unlikely to cause harm but larger amounts may cause nausea and diarrhoea.

**Skin contact**
Liquid may irritate skin. Can cause defatting and dryness of skin, leading to cracking and eczema. Not expected to cause harm on brief contact, but prolonged or repeated exposure may lead to dermatitis. Not a skin sensitiser.

**Eye contact**
May cause temporary eye irritation.

**Route of entry**
Inhalation Ingestion.

**Target organs**
Central nervous system

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**SECTION 12: Ecological Information**

**Ecotoxicity**
The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment.

### 12.1. Toxicity

**Acute toxicity - fish**
LC₅₀, 96 hours: > 1000 mg/l, Onchorhynchus mykiss (Rainbow trout) LC₅₀, 96 hours: >1000 mg/l, Fish

**Acute toxicity - aquatic invertebrates**
EC₅₀, 48 hours: > 1000 mg/l, Daphnia magna EC₅₀, 48 hours: >1000 mg/l, Daphnia magna

**Acute toxicity - aquatic plants**
EC₅₀, 72 hours: > 1000 mg/l, Scenedesmus subspicatus IC₅₀, 72 hours: >1000 mg/l, Algae

### 12.2. Persistence and degradability

**Biodegradation**
water - Degradation (%) 80: > 28 days

### 12.3. Bioaccumulative potential

Measured experimental data are not meaningful on substances of unknown or variable composition, complex reaction products and biological materials (UVCBs).

**Partition coefficient**
Technically not feasible. Measured experimental data are not meaningful on substances of unknown or variable composition, complex reaction products and biological materials (UVCBs).

### 12.4. Mobility in soil

**Mobility**
The product is immiscible with water and will spread on the water surface.

### 12.5. Results of PBT and vPvB assessment

This substance is not classified as PBT or vPvB according to current EU criteria.

### 12.6. Other adverse effects

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**SECTION 13: Disposal considerations**

### 13.1. Waste treatment methods

**General information**
Empty containers may contain residual product and flammable vapours. Keep away from sparks, heat and sources of ignition. Labels should not be removed. Product is hazardous waste. Do not allow into drains, sewers or water courses. Disposal must be by means of a licensed waste contractor.

**Disposal methods**
Low Odour White Spirit

Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Do NOT Incinerate the container even when empty.

SECTION 14: Transport information

14.1. UN number
UN No. (ADR/RID) 3295
UN No. (IMDG) 3295
UN No. (ICAO) 3295
UN No. (ADN) 3295

14.2. UN proper shipping name
Proper shipping name (ADR/RID) HYDROCARBONS, LIQUID, N.O.S.
Proper shipping name (IMDG) HYDROCARBONS, LIQUID, N.O.S.
Proper shipping name (ICAO) HYDROCARBONS, LIQUID, N.O.S.
Proper shipping name (ADN) HYDROCARBONS, LIQUID, N.O.S.

14.3. Transport hazard class(es)
ADR/RID class 3
ADR/RID classification code F1
ADR/RID label 3
IMDG class 3
ICAO class/division 3
ADN class 3

Transport labels

14.4. Packing group
ADR/RID packing group III
IMDG packing group III
ICAO packing group III
ADN packing group III

14.5. Environmental hazards
Environmentally hazardous substance/marine pollutant No.

14.6. Special precautions for user
EmS F-E, S-D
ADR transport category 3
Emergency Action Code 3Y
Hazard Identification Number (ADR/RID) 30
Tunnel restriction code (D/E)

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

SECTION 15: Regulatory information

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

National regulations

EU legislation

Guidance

SECTION 16: Other information

Key literature references and sources for data
Classification & Labelling derived by consideration of available REACH Registration data, CLP Classification Inventory and Manufacturer’s data..

Revision comments
Classification calculated in accordance with CLP (EC 1272/2008).

Revision date 18/02/2015
Revision 1
Supersedes date 27/09/2011
SDS number 22675

Risk phrases in full
R10 Flammable.
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
H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H336 May cause drowsiness or dizziness.

Disclaimer
This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company’s knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user’s responsibility to satisfy himself as to the suitability of such information for his own particular use.