SAFETY DATA SHEET
White Spirit

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME
White Spirit
APPLICATION For thinning paint, degreasing, brush maintenance, etc.
supplier
Barrettine
Barrettine Works
St Ivel Way
Warmley
Bristol
BS30 8TY
Tel: 0117 960 0060
Fax: 0117 935 2437
sales@barrettine.co.uk
emergency telephone 0870 190 6777

2 HAZARDS IDENTIFICATION

classification (67/548) Xn;R65. N;R51/53. R10, R66, R67.
classification (EC 1272/2008)
Physical and Chemical Flam. Liq. 3 - H226
Hazards
Human health EUH066;STOT SE 3 - H336;Asp. Tox. 1 - H304
Environment Aquatic Chronic 2 - H411
label in accordance with (EC) No. 1272/2008

signal word Danger
contains hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

HAZARD STATEMENTS
H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS
P210 Keep away from open flames and hot surfaces. No smoking.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P271 Use only outdoors or in a well-ventilated area.
P273 Avoid release to the environment.
P501 Dispose of contents/container in accordance with local regulations.
White Spirit

SUPPLEMENTARY PRECAUTIONARY STATEMENTS

P301+310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P331 Do NOT induce vomiting.
P403+233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.

Supplemental Label Information (EU)

EUH066 Repeated exposure may cause skin dryness or cracking.

3 COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)</th>
<th>&gt;98%</th>
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</thead>
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<table>
<thead>
<tr>
<th>CAS-No.: 64742-80-9</th>
<th>EC No.: 919-446-0</th>
<th>Registration Number: 01-2119458049-33-XXXX</th>
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<tr>
<td>Classification (67/548/EEC)</td>
<td>Flam. Liq. 3 - H226</td>
<td>EUH066</td>
</tr>
<tr>
<td>STOT SE 3 - H336</td>
<td>Asp. Tox. 1 - H304</td>
<td>Aquatic Chronic 2 - H411</td>
</tr>
</tbody>
</table>

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

4 FIRST-AID MEASURES

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

INHALATION
Move the exposed person to fresh air at once. Get medical attention. Provide rest, warmth and fresh air. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen.

INGESTION
DO NOT INDUCE VOMITING! NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Drink plenty of water. Get medical attention immediately! Provide rest, warmth and fresh air.

SKIN CONTACT
Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention promptly if symptoms occur after washing. Launder clothing before reuse.

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.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA
Extinguish with water spray, foam, carbon dioxide, dry powder, sand, dolomite or other inert material.

SPECIAL FIRE FIGHTING PROCEDURES
Avoid breathing fire vapours. Cool containers exposed to flames with water until well after the fire is out.

UNUSUAL FIRE & EXPLOSION HAZARDS
Vapours may form explosive mixture with air at room temperature. Vapours are heavier than air and may spread near ground to sources of ignition.

SPECIFIC HAZARDS
Decomposition / combustion products include: Carbon monoxide (CO). Carbon dioxide (CO2).
White Spirit

PROTECTIVE MEASURES IN FIRE
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.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS
Wear protective clothing (see Section 8).

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.

SPILL CLEAN UP METHODS
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.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS
Avoid spilling, skin and eye contact. 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.

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.

STORAGE CLASS
Flammable liquid storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

<table>
<thead>
<tr>
<th>Name</th>
<th>STD</th>
<th>TWA - 8 Hrs</th>
<th>STEL - 15 Min</th>
<th>Notes</th>
</tr>
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<tbody>
<tr>
<td>hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)</td>
<td>WEL</td>
<td>350 mg/m3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

WEL = Workplace Exposure Limit.

INGREDIENT COMMENTS
WEL = Workplace Exposure Limits

ENGINEERING MEASURES
Provide adequate general and local exhaust ventilation.

RESPIRATORY EQUIPMENT
If ventilation is insufficient suitable respiratory protection must be provided.

Seek advice and recommendations of the manufacturer or supplier of equipment

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.

EYE PROTECTION
Wear approved safety goggles.

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 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 & water if skin becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

9 PHYSICAL AND CHEMICAL PROPERTIES
White Spirit

APPEARANCE Liquid
COLOUR Clear Colourless.
ODOUR Hydrocarbon.
SOLUBILITY Immiscible with water
BOILING POINT (°C) 150 - 200 °C at 760 mmHg
RELATIVE DENSITY 0.785 @ 15°C.
VAPOUR PRESSURE 1.9 hPa @ 20°C.
VISCOSSITY 0.95 cSt 25°C.
FLASH POINT (°C) 40°C.
AUTO IGNITION 230°C.
TEMPERATURE (°C) 0.7
FLAMMABILITY LIMIT - LOWER(%) 7.0
FLAMMABILITY LIMIT - UPPER(%) 100 % (EC/1999/13)

10 STABILITY AND REACTIVITY

STABILITY
Stable under normal conditions of storage and use. See section 7.
CONDITIONS TO AVOID
Avoid contact with acids and oxidising substances. Avoid heat, flames and other sources of ignition.
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).

11 TOXICOLOGICAL INFORMATION

TOXIC DOSE 1 - LD 50 >5000 mg/kg (oral rat)
TOXIC DOSE 2 - LD 50 >4000 mg/kg (dermal-rabbit)

INHALATION
Vapours may cause headache, fatigue, dizziness and nausea. Prolonged inhalation of high concentrations may damage respiratory system. Contains organic solvents which in case of overexposure may depress the central nervous system causing dizziness and intoxication.

INGESTION
Harmful if swallowed accidentally. Can cause severe irritation of mucous membranes and the respiratory tract. Liquid irritates mucous membranes and may cause abdominal pain if swallowed. Absorption can cause narcosis, intoxication and pulmonary oedema.

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
May cause severe irritation to eyes.

HEALTH WARNINGS
The product causes irritation of mucous membranes and may cause abdominal discomfort if swallowed.

12 ECOLOGICAL INFORMATION

ECOTOXICITY
Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.
This material should not be allowed into drains, sewers or other water courses.
LC 50, 96 Hrs, FISH mg/l 10
EC 50, 48 Hrs, DAPHNIA, mg/l 10
IC 50, 72 Hrs, ALGAE, mg/l 4.6 - 10
White Spirit

MOBILITY
Moderately volatile liquid which may spread given a large surface area of water. The product has limited mobility in soil but
will slowly evaporate from the surface.

BIOACCUMULATION
Bioaccumulation is unlikely to be significant because of the low water solubility of this product.

DEGRADABILITY
Readily biodegradable.

13 DISPOSAL CONSIDERATIONS

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
Dispose of waste and residues in accordance with local authority requirements. Do NOT Incinerate the container even when
empty.

WASTE CLASS
EWC 08 01 21: Waste Paint or Varnish Remover.

14 TRANSPORT INFORMATION

PROPER SHIPPING NAME TURPENTINE SUBSTITUTE (White Spirit)
UN NO. ROAD 1300
ADR CLASS NO. 3
ADR CLASS Class 3: Flammable liquids.
ADR PACK GROUP III
TUNNEL RESTRICTION CODE (D/E)
HAZARD No. (ADR) 30
ADR LABEL NO. 3
HAZCHEM CODE 3Y
UN NO. SEA 1300
IMDG CLASS 3
IMDG PACK GR. III
EMS F-E, S-E
UN NO. AIR 1300
AIR CLASS 3
AIR PACK GR. III

15 REGULATORY INFORMATION

UK REGULATORY REFERENCES
Retail packs require a child resistant closure to BS EN ISO 28317 & a Tactile Warning Triangle.

EU DIRECTIVES
EC Regulation 1907/2006 (as amended) : 'REACH'.
Dangerous Substances Directive 67/548/EEC.
Dangerous Preparations Directive 1999/45/EC.

EC Regulation 1272/2008 (as amended): CLP (Classification, labelling and packaging of substances and mixtures).
ADR (L'Accord européen relative au transport international des marchandises dangereuses par route.)
White Spirit

STATUTORY INSTRUMENTS
Control of Substances Hazardous to Health Regulations (as amended). (COSHH) Refer to Revised guidance 6th Edition
Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2007. (CDG 2009)

APPROVED CODE OF PRACTICE
Approved Classification and Labelling guide (Sixth edition). Chemicals (Hazard Information and Packaging for Supply)
The Control of Substances Hazardous to Health Regulations 2002 (as amended). Approved code of practice and guidance.

GUIDANCE NOTES
The storage of flammable liquids in containers HSG51 (HSE 1998).
Introduction to Local Exhaust Ventilation HS(G)37.
Workplace Exposure Limits EH40/2007 (as amended).
CHIP for everyone HSG(108).

16 OTHER INFORMATION

INFORMATION SOURCES
Classification & Labelling derived by consideration of available REACH Registration data, CLP Classification Inventory and
Supplier’s safety data sheet.

REVISION COMMENTS
N.B.: Significant changes are indicated by lines in the left-hand margin. Revised using relevant REACH information. REACH
registration number(s) added.

REVISION DATE replaces 05 dated 16-May-2011
REV. NO./REPL. SDS 06
GENERATED SDS NO. 11088

HAZARD STATEMENTS IN FULL
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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.