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[Barrettine Low Odour White Spirit](#)



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
Internal Id 0751
EC No. 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
 0117 960 0060
 0117 935 2437
 sales@barrettine.co.uk

1.4. Emergency telephone number

0870 190 6777

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical and Chemical Hazards	Flam. Liq. 3 - H226
Human health	EUH066;STOT Single 3 - H336; Asp. Tox. 1 - H304
Environment	Not classified.

Classification (1999/45/EEC)

Xn;R65. R10, R66, R67.

Human Health

Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.

Environment

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

Physical And Chemical Hazards

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

2.2. Label elements

EC No. 919-857-5
Contains: naphtha (petroleum), hydrotreated heavy, de-aromatised D40
Label In Accordance With (EC) No. 1272/2008

Low Odour White Spirit



Signal Word	Danger	
Hazard Statements	H226 H304 H336	Flammable liquid and vapour. May be fatal if swallowed and enters airways. May cause drowsiness or dizziness.
Precautionary Statements	P102+405 P261e P280a P301+310A+331 P304+340 P501A	Store locked up. Keep out of reach of children. Avoid breathing vapours. Wear protective gloves. IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician. (if medical advice is needed have a label or bottle to hand) Do NOT induce vomiting. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Dispose of contents/container in accordance with local authority requirements.
Supplementary Precautionary Statements	P210 P233 P243 P271 P303+361+353 P403+235	Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Take precautionary measures against static discharge. Use only outdoors or in a well-ventilated area. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Store in a well-ventilated place. Keep cool.
Supplemental Label Information (EU)	EUH066	Repeated exposure may cause skin dryness or cracking.

2.3. Other hazards

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

naphtha (petroleum), hydrotreated heavy, de-aromatised D40		>98%
CAS-No.: 64742-48-9	EC No.: Proprietary	
Classification (EC 1272/2008)	Classification (67/548/EEC)	
Flam. Liq. 3 - H226	Xn;R65.	
EUH066	R10,R66.	
Asp. Tox. 1 - H304		

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

EC No. 919-857-5

SECTION 4: FIRST AID MEASURES

4.1. Description of 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.

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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.

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

Check for contact lenses which must be removed from the eyes before rinsing.

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

Extinguishing Media

Extinguish with 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

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

Products of decomposition / combustion include: Carbon monoxide (CO). Carbon dioxide (CO₂).

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.

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.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective clothing (see Section 8).

6.2. Environmental precautions

Do not allow spilled material to enter drains or water courses.

Cover all drains and sewers. Avoid spreading spilled material. Contain spillages with sand, earth or suitable 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

Absorb in vermiculite, sand, diatomaceous earth or other absorbent inert 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

Low Odour White Spirit

7.1. Precautions for safe handling

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.

7.2. Conditions for safe storage, including any incompatibilities

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

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
naphtha (petroleum), hydrotreated heavy, de-aromatised D40	WEL		1000 mg/m ³			

WEL = Workplace Exposure Limit.

Ingredient Comments

WEL = Workplace Exposure Limits

8.2. Exposure controls

Engineering Measures

Provide adequate general and local exhaust ventilation.

Respiratory Equipment

If ventilation is insufficient suitable respiratory protection must be provided.

Seek recommendations and advice from equipment manufacturer or supplier.

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 dried thoroughly and a suitable moisturiser applied.

Eye Protection

Wear tightly fitting safety goggles conforming to EN166

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.

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.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Colourless
Odour	Hydrocarbon solvent.
Solubility	Immiscible with water
Initial Boiling Point and Boiling Range:	150 - 200 °C. @ 760mm Hg.
Relative Density	0.77 @ 15°C
Vapour Pressure	4 hPa @ 15°C
Evaporation Rate	65 (EtEt=1)
Viscosity	1.09 mm ² /s - kinematic @ 40°C
Flash Point (°C)	>40 PM Closed cup.
Auto Ignition Temperature (°C)	>230°C
Flammability Limit - Lower(%)	0.8
Flammability Limit - Upper(%)	8.0

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Partition Coefficient
(N-Octanol/Water)
Scientifically unjustified.

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

9.2. Other information

Volatile Organic Compound (VOC) 100 % (EC/1999/13)

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

Hazardous Polymerisation
Will not polymerise.

10.4. Conditions to avoid

Avoid contact with acids and oxidising substances.

10.5. Incompatible materials

10.6. Hazardous decomposition products

In fires or in conditions of excessive heat may give off toxic fumes and gases. Products of decomposition include carbon monoxide (CO) and carbon dioxide (CO₂)

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Toxic Dose 1 - LD 50 >5000 mg/kg (oral rat)

Toxic Dose 2 - LD 50 >5000 mg/kg (dermal-rbt)

Toxic Conc. - LC 50 >5000 ppm/8hr (inh-rat)

Aspiration Hazard Target Organs Central nervous system

Kinematic viscosity <= 20.5 mm²/s.

Fluid(s) may enter the lungs and cause damage (chemical pneumonia) which may be potentially fatal.

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.

Patients should be kept 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 de-fatting and dryness of skin, leading to cracking and eczema. Unlikely to cause harm on brief or occasional 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

SECTION 12: ECOLOGICAL INFORMATION

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Ecotoxicity:

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

12.1. Toxicity

LC 50, 96 Hrs, Fish mg/l	>1000
Acute Toxicity - Fish	LC50 96 hours > 1000 mg/l <i>Onchorhynchus mykiss</i> (Rainbow trout)
EC 50, 48 Hrs, Daphnia, mg/l	>1000
Acute Toxicity - Aquatic Invertebrates	EC50 48 hours > 1000 mg/l <i>Daphnia magna</i>
IC 50, 72 Hrs, Algae, mg/l	>1000
Acute Toxicity - Aquatic Plants	EC50 72 hours > 1000 mg/l <i>Scenedesmus subspicatus</i>

12.2. Persistence and degradability

Water 80 Degradation (%): > 28 days

12.3. Bioaccumulative potential

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.

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

Not Classified as PBT/vPvB by current EU criteria.

12.6. Other adverse effects

SECTION 13: DISPOSAL CONSIDERATIONS

General Information

Empty containers may contain residual flammable vapours and product residue. 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.

13.1. Waste treatment methods

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

SECTION 14: TRANSPORT INFORMATION

14.1. UN number

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

14.2 UN Proper shipping name

Proper Shipping Name	NAPHTHA (PETROLEUM) HYDROTREATED HEAVY
Proper Shipping Name	HYDROCARBONS, LIQUID, N.O.S.

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
ICAO Class/Division	3
Transport Labels	

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14.4. Packing group

ADR/RID/ADN Packing group	III
IMDG Packing group	III
ICAO Packing group	III

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant
No.

14.6. Special precautions for user

EMS	F-E, S-D
Emergency Action Code	3Y
Hazard No. (ADR)	30
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

Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 SI No 716. (CHIP4).

Control of Substances Hazardous to Health Regulations (as amended). (COSHH)

Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2007. (CDG 2009)

Environmental Protection (Duty of Care) Regulations.

Approved Code Of Practice

The Control of Substances Hazardous to Health Regulations 2002 (as amended). Approved code of practice and guidance.

Fifth Edition 2005. HSE Books, or download at: <http://www.hse.gov.uk/pubns/priced/l5.pdf>

Guidance Notes

Introduction to Local Exhaust Ventilation HS(G)37.

The storage of flammable liquids in containers HSG51 (HSE 1998).

S101: Selecting protective gloves. HSE 04/06

EU Legislation

Dangerous Substances Directive 67/548/EEC.

Dangerous Preparations Directive 1999/45/EC.

EC Regulation 1907/2006 (as amended) : 'REACH'.

EC Regulation 1272/2008 (as amended): CLP (Classification, labelling and packaging of substances and mixtures).

National Regulations

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002. No. 1689.

15.2. Chemical Safety Assessment

SECTION 16: OTHER INFORMATION

Revision Comments

Change to transport classification.

Revision Date 27-SEP-11 - Rev 02:0 0751

Revision 03 replaces 02: 00751 dated 06-MAY-11

Risk Phrases In Full

R10 Flammable.

R65 Harmful: may cause lung damage if swallowed.

R66 Repeated exposure may cause skin dryness or cracking.

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Hazard Statements In Full

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
EUH066	Repeated exposure may cause skin dryness or cracking.

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.