



Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH)

WHITE SPIRIT

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

1.1 Product identifier

Product name:	WHITE SPIRIT
Product code:	BT6
Product description:	Solvent for industrial use.
CAS No.:	64742-82-1
EC No.:	919-446-0
Index No.:	-
REACH Registration no.:	01-2119458049-33-xxxx

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

Identified use(s):	Paint thinner.
Uses advised against:	Follow supplier's recommendations on correct use of the product.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:	S G Bailey Paints Limited Unit 15A Griffin Mill London Road Thrupp Stroud Gloucestershire GL5 2AZ
Telephone:	+44 (0)1453 882237
E-mail:	richard@baileypaints.co.uk

1.4 Emergency telephone number

In case of emergency, call:	+44 (0) 7774 460658 (UK number, 24 hours, 7 days)
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SECTION 2: Hazard Identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 (CLP)

Flammable Liquid 3; H226
Specific Target Organ Toxicity Single Exposure 3; H336
Specific Target Organ Toxicity Repeated Exposure 1; H372
Aspiration Toxicity 1, H304
Aquatic Chronic 2; H411

2.2 Label elements according to Regulation (EC) No. 1272/2008 (CLP)

Hazard pictogram(s):



Signal Word:

Danger

Hazard Statement(s):

H226: Flammable liquid and vapour.
H336: May cause drowsiness or dizziness.
H372: Causes damage to organs through prolonged or repeated exposure.
H304: May be fatal if swallowed and enters airways.
H411: Toxic to aquatic life with long lasting effects.

Precautionary Statement(s):

P210: Keep away from heat / sparks / open flames / hot surfaces. No smoking.
P241: Use explosion-proof electrical equipment.
P260: Do not breathe vapours.
P273: Avoid release to the environment.
P301 + P310: IF SWALLOWED: Immediately call a doctor/physician.
P331: Do NOT induce vomiting.



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Supplemental Hazard information (EU): EUH066: Repeated exposure may cause skin dryness or cracking.

EC No: 919-446-0

Contains: Hydrocarbons, C9-12, n-alkanes, isoalkanes, cyclics, (2-25%) aromatics

2.3 Other hazards:

Product may charge electrostatically.

SECTION 3: Composition

3.2 Mixtures

Classification according to Regulation (EC) No. 1272/2008 (CLP)

Chemical name	% w/w	CAS No.	EC No.	Index No.	Classification
Hydrocarbons, C9-12, n-alkanes, isoalkanes, cyclics, aromatics (2 - 25%) <i>REACH Registration no.: 01-2119458049-33-xxxx</i>	55 - 100	64742-82-1	919-446-0	-	Flam. Liq. 3; H226 STOT SE3; H336 STOT RE1; H372 Asp. Tox. 1; H304 Aquatic Chronic 2; H411 EUH066

See Section 16 for full description of H statements.

SECTION 4: First Aid Measures

4.1 Description of first aid measures

INHALATION:

Remove patient to fresh air and keep at rest. If there are breathing problems, seek medical advice.

SKIN CONTACT:

Remove contaminated clothing immediately. Rinse skin with water or shower and wash with soap and water. Seek medical advice if symptoms persist.



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EYE CONTACT:

Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Seek medical advice if irritation persists.

INGESTION:

Give small quantities of water to drink. Do NOT induce vomiting. Obtain immediate medical attention.

4.2 Most important symptoms and effects, both acute and delayed

May cause drowsiness or dizziness. Repeated exposure may cause skin dryness or cracking.

4.3 Indication of any immediate medical attention and special treatments needed

If ingested, product may be aspirated into the lungs and cause chemical pneumonitis. Treat symptomatically.

SECTION 5: Fire-fighting Measures

5.1 Extinguishing Media

Suitable extinguishing media: Foam, CO₂ or dry powder.

Unsuitable extinguishing media: Do not use water jet.

5.2 Special hazards arising from the substance or mixture

Vapours may be heavier than air and may travel along the ground to a distant ignition source and flash back, causing fire or explosion. Containers may rupture on heating. Toxic gases may be formed in a fire.

5.3 Advice for fire-fighters

FLAMMABLE. Evacuate area. Prevent run-off from fire control or dilution from entering drains or water courses. Self-contained breathing apparatus and suitable protective clothing should be worn in fire conditions. Keep fire-exposed containers cool by spraying with water. Do not allow to enter drains, sewers or watercourses.

Flash point: 38°C.



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SECTION 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

Eliminate sources of ignition. Ensure adequate ventilation. Avoid contact with skin and eyes. Avoid inhalation of vapours. Wear suitable personal protective equipment. Wear appropriate respirator when ventilation is inadequate (see Section 8).

6.1.2 For emergency responders

Keep unnecessary personnel away. Wear suitable protective clothing (see Section 8). Contaminated clothing should be thoroughly cleaned.

6.2 Environmental precautions

Collect spillage. Do not allow to enter drains, sewers or watercourses. Spillages or uncontrolled discharges into watercourses must be alerted to the Environment Agency or other appropriate regulatory body.

6.3 Methods and materials for containment and cleaning up

6.3.1 For containment

Stop the leak if it is safe to do so. Contain the spillage with sand, earth or any suitable adsorbent material.

6.3.2 For cleaning up

Use sand, earth or any suitable non-combustible adsorbent material to adsorb spillages. Using non-sparking tools transfer the contaminated adsorbent material into sealable containers for disposal. Containers should be sealed before being disposed of via an authorised waste disposal contractor.

6.3.3 Other advice

None

6.4 Reference to other sections

See Section 8 for personal protective equipment. See Section 13 for waste disposal.



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SECTION 7: Handling and Storage

7.1 Precautions for safe handling

Provide adequate ventilation, including local extraction to ensure the occupational exposure limit is not exceeded. Do not inhale vapours. Avoid contact with skin and eyes. Wear suitable personal protective equipment (see Section 8). Eliminate all sources of ignition. Electrical equipment should be protected to the appropriate standard.

Do not eat, drink or smoke when using this product. Wash exposed skin after use. Contaminated work clothing should not be allowed out of the workplace. Contaminated clothing should be thoroughly cleaned or disposed of as hazardous waste.

7.2 Conditions for safe storage, including any incompatibilities

Keep away from heat and sources of ignition. Keep from direct sunlight. Store locked up. Store only in the original container. Do not pressurise container. Product may charge electrostatically so all containers and associated equipment should be earthed and bonded to prevent static charge accumulation. Store in a cool, well ventilated place. Empty containers retain product residue and can be hazardous.

Ensure compliance with all regulations and guidance associated with the storage and use of flammable liquids.

See section 10 for incompatible materials.

7.3 Specific end uses(s)

Paint thinner.

SECTION 8: Exposure Controls/Personal Protection

8.1 Control parameters

Workplace exposure limits (WEL) – United Kingdom

Source: EH40/2005, 2nd Ed., 2011

Substance	CAS no.	LTEL (8 hr TWA)		STEL (15 min)	
		ppm	mg/m ³	ppm	mg/m ³
White spirit	64742-82-1	-	350	-	-



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Other exposure limits

Consult applicable national legislation for WELs in other countries.

Biological limits

None assigned.

Derived No-Effect Level (DNEL) - industry

Substance	Dermal	Inhalation	Oral
White spirit	Long-term: 44 mg/kg/day – systemic effects	Long-term: 330 mg/m ³ – systemic effects	Not available

Derived No-Effect Level (DNEL) - consumer

Substance	Dermal	Inhalation	Oral
White spirit	Long-term: 26 mg/kg/day – systemic effects	Long-term: 71 mg/m ³ – systemic effects	Long-term: 26 mg/kg/day – systemic effects

Predicted No-Effect Concentration (PNEC)

Not available.

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Provide adequate ventilation, including appropriate local extraction. Electrical equipment should be protected to the appropriate standard.

8.2.2 Personal protection:

A suitable and sufficient COSHH assessment must be undertaken and appropriate and compliant personal protective equipment (PPE) provided and used.

Eye protection:

Goggles or glasses giving complete protection to eyes (EN 166).

Skin protection:

Appropriate barrier creams.

Hand protection:

Chemical resistant gloves (EN 374).

Other:

Long sleeve protective clothing. Plastic apron. Rubber boots.



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Respiratory protection: In the case of insufficient ventilation, wear suitable respiratory equipment.

8.2.3 Environmental exposure controls

Inform environmental manager of all incidents involving this product.

SECTION 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance:	Colourless liquid
Odour:	Characteristic, pungent
Odour threshold:	Not available
pH:	Not applicable
Melting/freezing point:	Not available
Initial boiling point and boiling range:	150 to 200°C @ 760 mm Hg
Flash point:	38°C (closed cup)
Evaporation rate:	65 (EtEt = 1)
Flammability (solid; gas):	Not applicable
Upper/lower flammability or explosive limits:	0.7 vol % to 7 vol %
Vapour pressure:	< 5 hPa @ 20°C
Vapour density:	Not available
Relative density:	0.774 to 0.795 @ 15°C (Water = 1)
Solubility:	Insoluble in water
Partition coefficient: n-octanol/water:	Not applicable
Auto-ignition temperature:	> 230°C
Decomposition temperature:	Not applicable
Viscosity:	0.955 mm/s ² @ 40°C)
Explosive properties:	Product is not explosive but vapour may form explosive mixture with air.
Oxidising properties:	Not oxidising

9.2 Other information

None



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SECTION 10: Stability and Reactivity

10.1 Reactivity	No specific reactivity hazards.
10.2 Chemical stability	Stable under normal conditions.
10.3 Possibility of hazardous reactions	No hazardous reactions expected during normal use.
10.4 Conditions to avoid	Keep away from sources of ignition, hot surfaces, direct sunlight and other sources of ignition.
10.5 Incompatible materials	Strong oxidising agents, strong acids.
10.6 Hazardous decomposition products	Combustion may liberate toxic smoke, fumes, incomplete combustion products and oxides of carbon.

SECTION 11: Toxicological Information

11.1 Information on toxicological effects

Acute toxicity	Oral LD50: > 15000 mg/kg (rat) Dermal LD50: > 3400 mg/kg (rat) Inhalation LC50: > 13100 mg/l (rat, 4h)
Skin corrosion/irritation	Repeated exposure may cause skin dryness or cracking.
Serious eye damage/irritation	Not irritating
Skin sensitisation	Not classified. The product does not contain substances classified as skin sensitisers above the classification thresholds. However, may produce an allergic reaction.
Respiratory irritation	Not a respiratory irritant.
Respiratory sensitisation	Not classified. The product does not contain substances classified as respiratory sensitisers above the classification thresholds. However, may produce an allergic reaction.
Germ cell mutagenicity	Not mutagenic.
Carcinogenicity	Not classified. The product does not contain substances classified as carcinogenic above the classification thresholds.



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Reproductive toxicity	Not classified. The product does not contain substances classified for reproductive toxicity above the classification thresholds.
Specific Target Organ Toxicity – single exposure	May cause drowsiness and dizziness.
Specific Target Organ Toxicity – repeated exposure	Causes damage to organs through prolonged or repeated exposure.
Aspiration hazard	If ingested, may be aspirated into the lungs and cause chemical pneumonitis

Information on likely routes of exposure

Inhalation	See above
Skin contact	See above
Eye contact	See above
Ingestion	See above

Symptoms related to the physical, chemical and toxicological characteristics See above

Other information None

SECTION 12: Ecological Information

12.1 Toxicity	Toxic to aquatic life with long lasting effects. LC50 96h fish: < 30 mg/l (<i>Onchorhynchus mykiss</i>) EC50 48h aquatic invertebrates: < 22 mg/l (<i>Daphnia magna</i>) EC50 72h aquatic plants: < 10 mg/l EC50 48h microorganisms: 44 mg/l NOEC 21d aquatic invertebrates: 0.097 mg/l (<i>Daphnia magna</i>)
12.2 Persistence and degradability	Readily biodegradable - 75% in 28 days.
12.3 Bioaccumulative potential	Not applicable
12.4 Mobility in soil	Not applicable



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- 12.5 Results of PBT and vPvB assessment** Not classified as PBT/vPvB by current EU criteria.
- 12.6 Other adverse effects** May contribute to ozone formation in the near surface atmosphere.

SECTION 13: Disposal Considerations

13.1 Waste treatment methods

Product and packaging to be disposed of as hazardous waste. Disposal should be in accordance with local, state or national legislation.

Contaminated adsorbent must be removed in sealed, drums and disposed of via an authorised waste disposal contractor. Do not empty into drains; dispose of this material and its container in a safe way.

Empty containers may contain residue and may be dangerous. Do not attempt to refill or clean containers without proper instructions. Do not pressurise, cut, weld, braze, solder, drill, grind or expose such containers to heat, flame, sparks, static electricity or other sources of ignition. Residual flammable vapour may cause an explosion.

SECTION 14: Transport Information

ROAD (ADR)

- | | |
|--|-----------------------|
| 14.1 UN Number | 1300 |
| 14.2 UN Proper shipping name | TURPENTINE SUBSTITUTE |
| 14.3 Transport hazard class(es) | 3 |
| 14.4 Packing group | III |
| 14.5 Environmental hazards | Yes |

INLAND WATERWAYS (ADN/ADNR)

- | | |
|--|-----------------------|
| 14.1 UN Number | 1300 |
| 14.2 UN Proper shipping name | TURPENTINE SUBSTITUTE |
| 14.3 Transport hazard class(es) | 3 |
| 14.4 Packing group | III |
| 14.5 Environmental hazards | Yes |



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RAIL (RID)

14.1	UN Number	1300
14.2	UN Proper shipping name	TURPENTINE SUBSTITUTE
14.3	Transport hazard class(es)	3
14.4	Packing group	III
14.5	Environmental hazards	Yes

AIR (IATA/ICAO)

14.1	UN Number	1300
14.2	UN Proper shipping name	TURPENTINE SUBSTITUTE
14.3	Transport hazard class(es)	3
14.4	Packing group	III
14.5	Environmental hazards	Yes

SEA (IMDG)

14.1	UN Number	1300
14.2	UN Proper shipping name	TURPENTINE SUBSTITUTE
14.3	Transport hazard class(es)	3
14.4	Packing group	III
14.5	Environmental hazards	Yes
14.6	Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code	Not intended to be transported in bulk

SECTION 15: Regulatory Information

15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture	This Safety Data Sheet was prepared in accordance with EC Regulation (EC) No. 1907/2006 as amended. The product has been classified in accordance with Regulation (EC) No. 1272/2008 (CLP).
15.2	Chemical Safety Assessment	Not applicable.



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SECTION 16: Other Information

Full text of relevant H-statements:

H226: Flammable liquid and vapour.
H304: May be fatal if swallowed and enters airways.
H336: May cause drowsiness or dizziness.
H372: Causes damage to organs through prolonged or repeated exposure.
H373: May cause damage to organs through prolonged or repeated exposure.
H411: Toxic to aquatic life with long lasting effects.

References:

Supplier's Safety Data Sheet
Regulation (EC) No. 1272/2008

Disclaimer:

THE INFORMATION PRESENTED HEREIN IS BELIEVED TO BE ACCURATE, BUT IS NOT WARRANTED TO BE, WHETHER ORIGINATING WITH THE COMPANY OR NOT. RECIPIENTS ARE ADVISED TO CONFIRM, IN ADVANCE OF NEED, THAT THE INFORMATION IS CURRENT, APPLICABLE, AND SUITABLE TO THEIR CIRCUMSTANCES.

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