

SECTION 1: IDENTIFICATION OF THE SUBSTANCE OR PREPARATION AND THE COMPANY

1.1 Product Identifier

Product Name: White Spirit

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

Material uses: General purpose cleaner, de-greaser & diluent for oil-based paints.

1.3 Details of the supplier of the safety data sheet

Company Name: Polycote UK LLP
Centre Point
Wolseley Road
Woburn Road Industrial Estate
Kempston
Beds
MK42 7EF
Telephone Number: 01234 846400
Emergency Contact Number: 111 (NHS England)
Email address: uksales@polycote.com

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification (EC 1272/2008):

H226 - Physical Flam. Liquid & vapour - Category 3
STOT SE 3 - H336. STOT RE 1 - H37.2 Asp. Tox. 1 - H304
H411 - Environmental Aquatic Chronic 2

2.2 Label elements

Signal word:

Danger

Hazard pictograms:



Hazard statements:

H226 - Flammable liquid and vapour.
H304 - May be fatal if swallowed and enters airways.
H411 - Toxic to aquatic life with long lasting effects.
H372 - Causes damage to organs through prolonged or repeated exposure
EUH066 - Repeated exposure may cause skin dryness or cracking.
H336 - May cause drowsiness or dizziness.
Precautionary statements:
P101 - If medical advice is needed, have product container or label at hand.
P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P102 - Keep out of reach of children.
P103 - Read label before use.
P301+P310+P331 - IF SWALLOWED: Immediately call a POISON CENTRE or doctor. Do NOT induce vomiting.
P302/352 - IF ON SKIN: Wash with plenty of soap and water.
P304/340 - IF INHALED: Remove victim to fresh air and keep in a position comfortable for breathing.
P260 - Do not breathe vapours.
P262 - Do not get in eyes, on skin, or on clothing.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P303/361/353 IF ON SKIN Remove immediately all contaminated clothing.
Rinse skin with water/shower.
P403/235 Store in a well-ventilated place. Keep cool.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substance: Contains less than 0.1% Benzene

Reach registration No. 01-2119458049-33-0007

Name:	CAS No.:	EINECS No.	Concentration:	Classification:
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	64742-82-1	919-446-0	100.0%	H226; H304; H411; EUH066; H366

SECTION 4: FIRST-AID MEASURES

4.1 Description of first aid measures:

Eye contact:

Irrigate thoroughly for 15 minutes with clean running water or a boric saline eye wash bottle.
Seek medical attention should eye irritation persist or become inflamed.

Inhalation

Avoid working in a poorly ventilated, confined space. Remove to fresh air and rest. If irritation or breathing difficulties persist, seek medical attention.

SECTION 4: FIRST-AID MEASURES (continue)

Skin contact:	Wash off skin with warm soapy water. Remove contaminated clothing and launder regularly. Prolonged and unattended contact should be avoided. Where irritation to skin is apparent seek medical attention.
Ingestion:	Clean out mouth with copious volumes of water and drink plenty. Do not induce vomiting. Beware of aspiration if vomiting occurs. Seek prompt medical attention and show this data sheet
4.2 Acute & Chronic symptoms:	
Inhalation:	Vapours inhaled in strong concentration have a narcotic effect on the central nervous system. Irritation of the respiratory tract due to excessive fumes causes headache, drowsiness or other effects to the central nervous system, loss of consciousness.
Ingestion:	Nausea, vomiting, abdominal pain.
Skin contact:	Prolonged or repeated contact may cause irritation and dry skin.
Eye contact:	Burning feeling and temporary redness.
4.3 Indication of any immediate medical attention and special treatment needed:	This will be needed to resolve the most severe risk which is through ingestion as the product may enter the lungs due to its low viscosity and lead to the rapid development of very serious inhalation pulmonary lesions (medical survey during 48 hours).

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media:	Dry powder Foam, CO2 – Do not use water jets.
5.2 Combustion Hazards:	Hazardous decomposition when subject to combustion – will produce noxious, irritating fumes.
5.3 Advice for fire-fighters:	Use approved self-contained breathing apparatus. Only use a fine water spray to cool down heat affected containers – not burning product. 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 protection:	Ventilate area and eliminate all sources of ignition. Wear personal protective equipment recommended in section 8.
6.2 Environmental precautions:	Do not allow spill to enter drains or watercourses. Form a dam with sand, earth or a boom. Absorb, bund and scrape spillages onto sand, sawdust or absorbent granules.
6.3 Spill removal methods:	Confine residues in clearly marked sealed containers for disposal in accordance with Local Authority regulations for flammable products – subject to special waste management controls.
6.4 References to other sections:	Wear protective clothing as described in Section 8 of this safety data sheet. See section 11 for additional information on health hazards. For waste disposal, see section 13.

SECTION 7: HANDLING AND STORAGE

7.1 Safe handling precautions:	Eliminate all sources of ignition. Risk of vapour concentration on the floor and in low-lying areas. Static electricity and formation of sparks must be prevented. Use explosion proof electric equipment. Wear full protective clothing for prolonged exposure and/or high concentrations. Contaminated clothing and shoes must be discarded. Contaminated rags and cloths must be put in fireproof containers for disposal. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.
7.2 (a) Safe storage conditions:	Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container. Take precautionary measures against static discharges.
7.2 (b) Incompatible materials:	Keep away from oxidisers, heat and flames. May attack some plastics, rubber and coatings.
7.3 Specific end use(s)	The identified uses for this product are detailed in Section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Control parameters:**

Substance:	8-hour exposure limit	15-minute exposure limit	Source. Type
White Spirit	WEL– 350 mg/M3	STEL– 600mg/M3	

DNEL's - (Derived No effect levels) for workers:

Exposure pattern:	Route	DNEL	Dose descriptor
Acute systemic effects -	Dermal		
Acute systemic effects -	Inhalation	330 per 8 hours mg/m3	Industry
Acute Local effects -	Dermal		
Acute Local effects -	Inhalation	71 per 24 hours mg/m3	Consumer
Long term systemic effects -	Dermal	44 mg/kg/day	Industry
Long term systemic effects -	Inhalation		
Long term local effects -	Dermal	26 mg/kg/day	Consumer

PNEC's - Predicted No effect concentration (Environment):

Compartment:	PNEC	Dose Descriptor
Fresh water -	-	-
Sewage treatment -	-	-

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continue)**8.2 Exposure controls:****Engineering controls:**

Provide adequate general and local exhaust ventilation

Respiratory protections:

No specific recommendation is made, but appropriately specified respiratory protection must be used if the general level exceeds the recommended occupational exposure limit.

Hand protection:

Pictogram	Remarks
	Protective gloves must be used. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material. Use protective gloves made of nitrile.

Eye protection:

Pictogram	Remarks
	BS 2092 approved safety Goggles should be worn for all applications to help prevent accidental face/eye contact.

Other Protection:

Pictogram	Remarks
	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

Appearance:	Water white
Odour:	Aromatic hydrocarbon
Odour threshold:	Lower
pH:	n/a
Flash point:	39°C
Melting point:	<-20°C
Boiling point:	150 - 200°C
Evaporation rate:	65 (Et Et=1) – DIN 53170
Upper/Lower Flam limits:	7.0% - 0.7%
Vapour pressure:	< 5 kPa 20
Vapour density:	n/a
Relative density:	0.775 – 0.795
Water solubility:	Nil
Solubility in oils:	100%
Partition coefficient (Kow):	n/a
Auto-ignition temperature:	>230
Decomposition temperature:	n/a
Surface tension:	0.0245 N/m @ 25°C
Viscosity:	0.95 m2/s 40
Explosive properties:	May form explosive mixtures with air.
Oxidising properties:	n/a
Particle size:	n/a

SECTION 10: STABILITY AND REACTIVITY

10.1 Conditions to avoid:	Sources of ignition. Avoid static discharge.
10.2 Incompatible Materials:	Acids & Oxidising agents
10.3 Decomposition hazards:	Fire creates toxic fumes
10.4 Reactivity:	Stable except when ignited
10.5 Chemical reactivity:	Stable under the prescribed storage conditions.
10.6 Risk of hazardous reaction:	None under normal use.

SECTION 11: TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects:**

This product has not been exhaustively tested. Judgements on the expected toxicity of this product have been made based upon consideration of its' major components.

Routes of exposure:	Inhalation, skin contact and ingestion.
Eye damage/irritation:	Burning feeling and temporary redness.
Reproductive toxicity:	n/a
STOT single exposure:	Toxic dose 1 - LD 50 >5050 mg/kg (oral rat)
STOT repeat exposure:	Target Organs - Central nervous system Respiratory system, lungs
Skin Corrosivity / Irritation:	May cause de-fatting of the skin.
Respiratory/skin sensitisation:	n/a
Germ cell Mutagenicity:	n/a
Carcinogenicity:	No evidence of carcinogenic properties
Aspiration hazard:	The fluid can enter the lungs and cause damage (chemical pneumonitis, potentially fatal).

SECTION 12: ECOLOGICAL INFORMATION

12.1 Ecotoxicity:	Acute Toxicity - Fish LC50 96 hours ~ 30 mg/l
12.2 Bio-accumulative potential:	Negligible due to high volatility
12.3 Persistence & degradability:	The substance is readily biodegradable.
12.4 Mobility in soil:	75% degradable in 28 days
12.5 PBT and vPvB result:	Not Classified as PBT/vPvB
12.6 Other adverse effects:	n/a

SECTION 13: DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods:**

Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority. Waste is suitable for incineration. Rags and the like, moistened with flammable liquids, must be discarded into designated fireproof bucket. Where possible packaging should be collected for reuse or recycling.

When this product, in its liquid state, as supplied becomes waste it should be disposed of as hazardous waste using the waste code 08 01 11 waste paint and varnish containing organic solvents or other dangerous substances. Empty used containers should be disposed of as waste code 15 01 10 packaging containing residues of or contaminated by dangerous substances. When used the removed sludge should be disposed of using waste code 08 01 13 for paint & varnish sludge materials. Any absorbents used for clearing up soils should be disposed of using waste code 15 02 02, for absorbents contaminated by dangerous substances.

SECTION 14: TRANSPORT INFORMATION**Transport Labels:**

Regulatory Code (Land, Sea & Air):	ADR	IMDG	ICAO
14.1. UN number:	1300	1300	1300
14.2. UN proper shipping name:	Turpentine Substitute	Turpentine Substitute	Turpentine Substitute
14.3. ADR Packing Group:	III	III	III
14.4. Transport Hazard Class:	3	3	3
14.5. Environmental hazards:	Marine pollutant	Marine pollutant	Marine pollutant
14.6 Special user precautions:	Emergency Action Code 3Y	EMS F-E, S-E	HAZCHEM CODE 3YE
14.7 Transport in bulk – IBC code:	HAZARD No. (ADR) 33	Tunnel Restriction Code (D/E)	

SECTION 15: REGULATORY INFORMATION**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:**

All components are listed as existing substances in Europe

UK Regulatory References:

Health and Safety at Work Act 1974. The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments. Chemicals (Hazard Information & Packaging) Regulations.

Environmental Listing - Control of Pollution Act 1974. Control of Pollution (Special Waste Regulations) Act 1980.

Statutory Instruments:

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

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).

SECTION 15: REGULATORY INFORMATION (continue)**EU Legislation:**

Dangerous Substance Directive 67/548/EEC.

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

National Regulations:

Users of this product are reminded of their duties under the current Control of Substances Hazardous to Health Regulations and a suitable and sufficient assessment of all the risk should be undertaken before using this product. The guidelines given in the HSE publication COSHH ESSENTIALS - Easy Steps To Control Chemicals gives sound advice for deciding safe working control measures.

Authorisations (Title VII Regulation 1907/2006) - No specific authorisations are noted for this product.

Restrictions (Title VIII Regulation 1907/2006) - No specific restrictions of use are noted for this product.

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this product.

SECTION 16: OTHER INFORMATION**List of abbreviations used in this SDS:**

CAS: Chemical abstracts service

CLP: Classification, labelling & packaging regulation (EC) No. 1272/2008

DSD: Dangerous substances Directive 67/548/EEC

DPD: Dangerous Products Directive 1999/45/EC

PBT: Persistent, Bio-accumulative & Toxic

REACH: Registration, Evaluation, Authorisation & Restriction of Chemicals Regulation (EC) 1907/2006

vPvB: Very Persistent, very Bio-accumulative

References: Volume VII Approved supply list; EH40; Croner; Bulk supplier data sheets

Classification methods:**H Phrases in section 3:**

H226 - Flammable liquid and vapour.

H304 - May be fatal if swallowed and enters airways.

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H066 - Repeated exposure may cause skin dryness or cracking.

H336 - May cause drowsiness or dizziness.

H372 - Causes damage to organs through prolonged or repeated exposure

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at UK, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.