



MATERIAL SAFETY DATA SHEET

Revised 1st June, 2006

WHITE SPIRIT BS245

SECTION 1: IDENTIFICATION OF SUBSTANCE/PREPARATION & COMPANY

Product/Material: WHITE SPIRIT
Part No: 0020
Applications: Solvent
Manufacturer: R.K. & J. Jones Limited
Address: Southery Road, Feltwell
 Thetford
 Norfolk, IP26 4EH
Tel: 01842 828101
Fax: 01842 828171
Emergency Telephone No(UK): 0207 405 5375 (24 HOUR)

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient Name	EINECS	CAS No	Contents	Symbol	Risk (R No.)
Naptha (Petroleum), Hydrodesulfurized Heavy	265-185-4	64742-82-1	100%	Xn N	10,65,51/53,66

EU Index: 649-330-00-2
Formula: N/A
CAS No: 64742-82-1

Composition Comments:

Benzene (CAS No. 71-43-2) will normally be present in trace amounts, but will always be less than the 0.1% w/w marker level in the 21st ATP to the Dangerous Substance Directive. This White Spirit is not Classified as a carcinogen under 67/548/EEC and The CHIP regulations 1996.

SECTION 3: HAZARDS IDENTIFICATION

Flammable.

Harmful: May cause lung damage if swallowed. Repeated exposure may cause skin dryness or cracking. Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.
 In the environment it is likely to biodegrade slowly. On the basis of information supplied it is unlikely to be hazardous to man in normal use; it should, however be noted that it is classified as flammable.

SECTION 4: FIRST AID MEASURES

General: Do not give victim anything to drink if he/she is unconscious.

Inhalation: If inhalation of fumes irritates the nose or throat or causes coughing remove to fresh air. Get medical advice if irritation continues.

Ingestion: NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Get Medical attention. Rinse mouth thoroughly with water and give large amounts of milk or water to people not unconscious. Do not induce vomiting because of the danger of aspiration. Ingestion of large quantities may cause nausea and diarrhoea.

Skin: Promptly wash contaminated skin with soap or mild detergent and water. Promptly remove clothing if soaked through and wash as

above. Get medical attention promptly if symptoms occur after washing. Unlikely to cause irritation on single contact. Prolonged or repeated may cause short term irritation, de-fatting of the skin and could result in dermatitis.

Eyes: Promptly wash eyes with plenty of water while lifting the eyelids. Get medical attention if any discomfort continues. Continue to rinse for at least 15 minutes.

SECTION 5 : FIRE FIGHTING MEASURES

Extinguishing Media: Carbon dioxide (CO₂). Dry chemicals, sand, dolomite Etc. Foam.

Special Fire Fighting Procedures:

Fires in closed or confined spaces should be tackled by trained personnel who should wear breathing apparatus.

Unusual Fire & Explosion Hazards:

Material may accumulate a static charge which could act as an ignition source. Run off from fire must not empty drains.

Hazardous Decomposition Products:

Carbon monoxide (CO). Oxides of: Carbon.

Protective Measures in Fire: Wear suitable respiratory protection when dealing with a fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES/SPILLS AND LEAKS

Personal Precautions during spill:

Repeated exposure can cause skin dryness and cracking. Wear suitable protective clothing. Ensure good ventilation. Avoid breathing vapour.

Precautions to Protect Environment:

Do not let the product or washing down water enter natural water courses or the sewers.

Spill Cleanup Method:

Main consideration is to avoid fire. Classified Flammable. CONTAIN SPILLAGE. DO NOT WASH SPILLAGE DOWN THE DRAIN. Absorb in vermiculite, dry sand or Earth and place into containers. May cause slippery surfaces.

SECTION 7 : HANDLING AND STORAGE

Usage Precautions:

Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Where prolonged or repeated exposure is likely PROTECTIVE CLOTHING should be worn including IMPERVIOUS GLOVES and EYE PROTECTION. Ensure good ventilation.

Usage Description:

Use only containers, pipes, joints and seals that are resistant to hydrocarbons.

Storage Precautions:

Keep in cool, dry, ventilated storage and closed containers. Ground container and transfer equipment to eliminate static electric sparks. Protect from light, including direct sunrays. Flammable/combustible – Keep away from oxidisers, heat and flames.

Storage Criteria:

Flammable liquid storage.

SECTION 8 : EXPOSURE CONTROLS / PERSONAL PROTECTION

Ingredient Name	CAS No	STD	LT EXP (8hrs)	ST EXP (15min)
Naptha (Petroleum), Hydrodesulfurized	64742-82-1	OES	600.00 mg/m ³	

Heavy

Ingredient Comments: OEL calculated by using the Reciprocal Calculation Procedure (EH40/96)



Protective Equipment:

Process Control Measures: Use engineering controls to reduce air contamination to permissible exposure levels. Provide eyewash station. Wash all splashes from skin immediately.

Ventilation: Provide sufficient ventilation during operations which cause vapour formation. In case of insufficient ventilation wear suitable respiratory equipment.

Protective Gloves: Use suitable protective gloves if risk of skin contact. Ensure gloves are manufactured/tested in accordance with BS EN 374. Determined penetration times carried out in accordance with EN 374 part III are not performed under practical conditions. Therefore a maximum wearing time corresponding to 50% of the penetration time is recommended.

Eye Protection: Wear splash-proof eye goggles to prevent any possibility of eye contact.

Other Protection: Provide eyewash, quick drench. It is good industrial hygiene practice to minimise eye/skin contact.

Hygienic Work Routines: Wash at the end of each working shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES.

Appearance:	Liquid.
Odour/Taste:	Characteristic.
Physical Data Comments:	Aromatics %vol. 17-20
Solubility Description:	Insoluble in water
Solubility Value (g/100g H₂O/20°C):	<0.1
Specific Gravity (water=1):	0.79 at 15°C
Vapour Pressure:	0.4 @ 20°C
Vapour Density:	4.5-5
Viscosity:	0.74-1.65 0.95 x 10 ⁻⁶ m ² /sec cps @ 25°C
Flash Point Method:	CC (Closed cup)
Auto Ignition Temperature(°C):	230
Flammability Limit (upper%):	N/D
Colour:	Colourless
Boiling Point:	150-200
Odour Threshold (lower):	0.5mg/m ³
Flash Point (°C)	38
Flash Point Method:	CC (Closed cup)
Flammability Limit (upper %):	6.5
Flammability Limit (lower %):	0.6

SECTION 10 : STABILITY AND REACTIVITY

Stability:	Avoid heat, sparks, and flames.
Conditions to Avoid:	Avoid direct sunlight.

Materials to Avoid: Strong oxidising agents.

Hazardous Decomposition Products: Carbon monoxide (CO). Oxides of: Carbon

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicological information: Toxicity following a single exposure to high Levels of White Spirit (oral, dermal, inhalation) is of a very low order. Prolonged contact or repeated contact may cause drying of the skin and possibly dermatitis. Prolonged inhalation of mists may cause lung inflammation.

Ingestion: Risk of severe pulmonary problems in case of accidental aspiration.

Skin: Repeated exposure can cause skin dryness and cracking.

Target Organs: Skin. Central nervous system. Eyes/ Respiratory systems, lungs.

Medical Considerations: Skin disorders and allergies

SECTION 12 : ECOLOGICAL INFORMATION

Environmental Hazards: Can be expected to biodegrade slowly. Harmful to aquatic organisms.

Acute Fish Toxicity: Slightly toxic to aquatic organisms, but in most systems unlikely to perish for sufficient time to pose a significant hazard.

SECTION 13: DISPOSAL CONSIDERATIONS

General/Cleaning: Contaminated packages must be completely emptied before sending away for laundering and re-use.

Disposal Methods: Incinerate in suitable combustion chamber. Confirm disposal procedures with environmental engineer and Local regulations. Environmental Manager must be informed of all majors spillages. Contaminated packs should be emptied as far as possible, they can be passed on for recycling after being thoroughly cleaned. Contaminated extinguishing water must be dispersed of in accordance with local regulations.

SECTION 14 : TRANSPORT INFORMATION



Label for Conveyance:

ROAD:

UN No:	1300	ADR Class No:	3
Hazard Class (ADR):	Class 3: Flammable Liquids		
ADR Pack Gr:	31(c)	ADR Label No:	3
Hazchem Code:	3Y		
Proper Shipping Name:	Turpentine Substitute		

RAIL:

SEA:

UN Sea:	1300		
Sea transport Class No:	3.3	IMDG Page No:	3375

Sea pack GR: III **MFAG Table No:** 311
EmS No: 3-07
Marine Pollutant:



Air:
UN Air: 1300
Air Transport Class No: 3 **Air Pack Group:** 3

SECTION 15 : REGULATORY INFORMATION

EEC (EINECS) No: 265-185-4



Labels For Supply:

Risk Phrases:

R-10	Flammable
R-65	Harmful: May cause lung damage if swallowed.
R-51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R66	Repeated exposure may cause skin dryness or cracking.

Safety Phrases:

S-2	Keep out of the reach of children.
S-24/25	Avoid contact with skin & eyes.
S-62	If swallowed, do not induce vomiting. Seek medical advice immediately and show the container or label.
S-61	Avoid release to the environment. Refer to special instructions/Safety Data Sheets.
S-23	Do not breathe vapour or spray.
S-43	In case of fire use foam/dry powder/Co2-NEVER USE WATER.

SECTION 16 : OTHER HEALTH AND SAFETY INFORMATION

User Notes: Since emptied containers retain residue, follow label warnings even after container is emptied. Residual vapours may explode on ignition; do not cut, drill or grind or weld on or near this container. For further Health & Safety Information contact: Health & Safety Officer. Labels should not be removed from containers until they have been issued in accordance with the Chemicals (Hazard Information and Packaging Supply) (Amendment) Regulations 1999 (2).

Revision Comments: Amendment to section/s (1),(2), (16) Classification, Packaging and Labelling of Chemicals. CHIP3

Revision Date: 20/06/02

Revision No./Replaces SDKs Issued: 4-30/06/02

SDS No: 0020.

If this product is re-distributed and re-formulated for sale, details of its hazards and recommended methods for safe handling must be passed to customers. Customers are urged to ensure that the product is entirely suitable for their own purpose. It is the customer's responsibility to ensure that a suitable and sufficient assessment of the risks created by a work activity using this product is undertaken before this product is used.

Note: The information contained in this Safety Data Sheet does not constitute the users own assessment of workplace risk as required by other Health & Safety Legislation (e.g. the Health and Safety at Work Act,1974;the control of Substances Hazardous to Health Regulations,1988). The data given here is based on current knowledge and experience. The purpose of this data sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the product's properties.