



SAFETY DATA SHEET

WHITE SPIRIT

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

PRODUCT NAME: WHITE SPIRIT

PART No.: WHSB

SUPPLIER: J.V. Barrett & Co. Ltd
Barrettine Works, St Ivel Way
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2. COMPOSITION/INFORMATION ON INGREDIENTS

NAME	EINECS Nr.:	CLASSIFICATION	CONTENT
CAS No.: NAPHTHA (PETROLEUM), HYDRODESULFURIZED HEAVY; LOW BOILING POINT (WHITE SPIRIT) BP 102-1		Xn ,N R-10, 51/53, 65, 88	60-100 %

The Full Text for all R-Phrases are Displayed in Section 16

3. HAZARDS IDENTIFICATION

Flammable. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Harmful: may cause lung damage if swallowed. Repeated exposure may cause skin dryness or cracking.

4. FIRST AID MEASURES

GENERAL: Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

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 effected person by administering 100% 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: Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention promptly if symptoms occur after washing.

EYES: Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15

minutes and get medical attention.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:	Fire can be extinguished using: Foam, Dry chemicals, sand, dolomite etc. DO NOT use direct water jet as this will scatter and spread the fire.
SPECIAL FIRE FIGHTING PROCEDURES:	Avoid breathing fire vapours. Use water SPRAY only to cool containers until well after the fire is out. Do not use water on leaked material as this will scatter and spread fire. Keep run-off water out of sewers and water sources. Dike for water control.
UNUSUAL FIRE & EXPLOSION HAZARDS:	Solvent vapours may form explosive mixtures with air. Vapours are heavier than air and may spread near ground to sources of ignition. May travel considerable distance to source of ignition and flash back.
HAZARDOUS COMBUSTION PRODUCTS:	Fire creates: Carbon dioxide (CO ₂), Carbon monoxide (CO).
PROTECTIVE MEASURES IN FIRE:	Wear self-contained breathing apparatus and full protective clothing.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTION IN SPILL:	Remove all sources of ignition. Ventilate area. Avoid breathing vapours. Wear suitable protective clothing as specified under section 8 of this safety data sheet - Exposure Controls and Personal Protection.
PRECAUTIONS TO PROTECT ENVIRONMENT:	Do not allow spilled material to enter drains or water courses.
SPILL CLEANUP METHODS:	Wear necessary protective equipment. Absorb in vermiculite, dry sand or earth and place into containers. Dispose of in accordance with Local Authority Regulations via a licenced waste carrier. Do not contaminate water sources or sewer.

7. HANDLING AND STORAGE

USAGE PRECAUTIONS:	Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level. Static electricity and formation of sparks must be prevented.
STORAGE PRECAUTIONS:	Keep in cool, dry, ventilated storage and closed containers. Keep in original container. Store away from; Acids, Oxidising material.
STORAGE CRITERIA:	Flammable liquid storage.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

INGREDIENT NAME:	CAS No.:	STD	LT EXP 8 Hrs	ST EXP 15 Min
NAPHTHA (PETROLEUM), HYDRODESULFURIZED HEAVY; LOW BOILING POINT (WHITE SPIRIT)	64742-82-1	OES	600 mg/m ³	
INGREDIENT COMMENTS:	OES = Occupational Exposure Standard.			
PROTECTIVE EQUIPMENT:				



VENTILATION:	Provide adequate general and local exhaust ventilation.
RESPIRATORS:	No specific recommendation made, but respiratory protection must be used if the general level exceeds the Occupational Exposure Level (OEL).
PROTECTIVE GLOVES:	Use protective gloves made of: Nitrile.
EYE PROTECTION:	Wear approved safety goggles.
OTHER PROTECTION:	Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.
HYGIENIC WORK PRACTICES:	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. No eating or drinking while working with this material.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Liquid.		
COLOUR:	Colourless.		
ODOUR/TASTE:	Hydrocarbon.		
BOILING POINT (°C, interval):	150 - 200	Pressure:	760mmHg
DENSITY/SPECIFIC GRAVITY (g/ml):	0.785	Temperature (°C):	15
VAPOUR PRESSURE:	<10 mbar	Temperature (°C):	37.8
VISCOSITY (Interval):	0.85 cSt	Temperature (°C):	25
SOLUBILITY DESCRIPTION:	Insoluble in water.		
FLASH POINT (°C):	21-55°C	Method:	N/A.
AUTO IGNITION TEMP. (°C):	230		
FLAMMABILITY LIMIT - LOWER(%):	0.8		
FLAMMABILITY LIMIT - UPPER(%):	8.0		

10. STABILITY AND REACTIVITY

STABILITY:	Normally stable.
CONDITIONS TO AVOID:	Avoid heat, flames and other sources of ignition. Avoid contact with acids and oxidising substances.
HAZARDOUS DECOMP. PRODUCTS:	Fire creates: Toxic gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO ₂).

11. TOXICOLOGICAL INFORMATION

TOXIC DOSE - LD 50:	>5000 mg/kg (oral rat)
INHALATION:	Exposure to organic solvent vapours in excess of the stated occupational exposure limit may result in adverse effects such as irritation of the mucous membrane and the respiratory system and adverse effects on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

INGESTION:	Liquid irritates mucous membranes and may cause abdominal pain if swallowed. Significant absorption may cause sleepiness and pulmonary oedema.
SKIN:	Acts as a defatting agent on skin. May cause cracking of skin, and eczema. Prolonged or repeated exposure may cause severe irritation.
EYES:	May cause severe irritation to eyes.
TARGET ORGANS:	Skin. Eyes. Respiratory system, lungs.

12. ECOLOGICAL INFORMATION

LC 50, 96 HRS, FISH mg/l:	10
ECOLOGICAL INFORMATION:	Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment
MOBILITY:	Water: Insoluble: the product spreads over the surface of the water and will slowly evaporate. Soil: the product has only slight mobility in the soil and will partially evaporate.
BIO ACCUMULATION:	Likely to bioaccumulate, but with short retention time in the order of a week or less.
DEGRADABILITY:	Readily Biodegradable.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS:	Dispose of in accordance with Local Authority requirements.
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14. TRANSPORT INFORMATION

LABEL FOR CONVEYANCE:



UN No. ROAD:	1300
UK ROAD TRANSPORT CLASS:	3
UK ROAD PACK GR.:	III
ADR CLASS No.:	3
ADR CLASS:	Class 3: Flammable liquids.
ADR ITEM No.:	31(c)
ADR MARGINAL:	2301
ADR LABEL No.:	3
HAZCHEM CODE:	3Y
CEFIC TEC(R) No.:	30G35

PROPER SHIPPING NAME I:	TURPENTINE SUBSTITUTE
RID CLASS No.:	3
RID ITEM No.:	31(c)
UN No. SEA:	1300
IMDG CLASS:	3
IMDG PAGE No.:	3375
IMDG PACK GR.:	III
EmS No.:	3-07
MFAG TABLE No.:	See Guide
MARINE POLLUTANT:	Yes.
UN No., AIR:	1300
ICAO CLASS:	3
AIR PACK GR.:	III

15. REGULATORY INFORMATION

LABEL FOR SUPPLY:



RISK PHRASES:	R-10 Flammable. R-51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R-65 Harmful: may cause lung damage if swallowed. R-66 Repeated exposure may cause skin dryness or cracking.
SAFETY PHRASES:	S-13 Keep away from food, drink and animal feeding stuffs. S-2 Keep out of the reach of children. S-29/56 Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point. S-37 Wear suitable gloves. S-46 If swallowed, seek medical advice immediately and show this container or label. S-51 Use only in well-ventilated areas. S-61 Avoid release to the environment. Refer to special instructions/ Safety Data Sheets.
STATUTORY INSTRUMENTS:	Chemicals (Hazard Information and Packaging) Regulations.
APPROVED CODE OF PRACTICE:	Classification and Labelling of Substances and Preparations Dangerous for Supply.
GUIDANCE NOTES:	Occupational Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG(108).

16. OTHER INFORMATION

INFORMATION SOURCES:	Dangerous Properties of Industrial Materials Report, N.Sax et al.
REVISION DATE:	27-02-2003

REV. No/REPL. SDS GENERATED: *ADD DATA*

SDS No.: *ADD DATA*

R-PHRASES (Full Text): R-10 Flammable. R-51/53 Toxic to aquatic organisms, may cause long-term adverse affects in the aquatic environment. R-65 Harmful: may cause lung damage if swallowed. R-66 Repeated exposure may cause skin drynass or cracking.