



MATERIAL SAFETY DATA SHEET

Revised 25th August 2006

LOW ODOUR WHITE SPIRIT

SECTION 1: IDENTIFICATION OF SUBSTANCE/PREPARATION & COMPANY

Product/Material: LOW ODOUR WHITE SPIRIT
Part No. 0040
Applications: Solvent
Supplier: R.K. & J. Jones Limited
Address: Southery Road, Feltwell
 Thetford, Norfolk, IP26 4EH, UK.
Telephone: 01842 828101

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT NAME	EINECS	CAS No.	CONTENTS	HEALTH	RISK
Naphtha (Petroleum) Hydrotreated heavy	265-150-3	64742-48-9	100%	Xn, N	65,66,67, 51/53

The full text for all R-Phrases are shown in section 16.

EU INDEX No. 649-327-00-6
 Cas No. 64742-48-9
 Composition comments A de-aromatised petroleum distillate, consisting of hydrocarbons mainly in the C9 to C12 range. Benzene may be present in trace amounts, but will always be below 0.1% w/w. Complex mixture. Aliphatic, cycloparaffinic hydrocarbons.

SECTION 3: HAZARDS IDENTIFICATION

Flammable.
 Harmful: May cause lung damage if swallowed.
 Repeated exposure may cause skin dryness or cracking.

SECTION 4: FIRST AID MEASURES

Eye Contact: Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

Skin Contact: Remove affected person from source of contamination. Promptly wash skin with soap or mild detergent and water. Promptly remove clothing if soaked through and wash as above.

Inhalation: Move the exposed person to fresh air at once. Perform artificial respiration if breathing has stopped. Keep person warm and at rest. Get prompt medical attention.

Ingestion: Immediately rinse mouth and provide fresh air. **DO NOT INDUCE VOMITING.** Get medical help immediately.

SECTION 5 : FIRE FIGHTING MEASURES

Extinguishing media: Fire can be extinguished using: foam. Carbon dioxide (CO₂) Dry Chemicals, sand, dolomite etc.

Special fire fighting Procedures:

Water may be ineffective but use to keep fire exposed containers cool. Fires in closed or confined spaces should be tackled by trained personnel using breathing apparatus. Avoid spraying water directly into storage containers due to danger of boilover.

Unusual Fire and Explosion Hazards:

May travel considerable distance to source of ignition and flash back. Solvent vapours may form explosive mixtures with air. Material may accumulate a static charge which could act as an ignition source.

Hazardous Decomposition Products:

Carbon monoxide (CO) Carbon dioxide (CO₂)

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

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions During Spill:

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

Precautions to Protect Environment:

Do not let the product or washing down water enter natural water courses or sewers. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Runoff or release to sewer, waterway or ground is forbidden. Absorb in vermiculite, dry sand or earth and place into containers. Keep combustibles away from spilled material. Keep the public away from spillage area.

SECTION 7 : HANDLING AND STORAGE

Usage Precautions: Keep away from heat, sparks and open flames. Avoid spilling, skin and eye contact. Do not use in confined spaces without adequate ventilation and/or respirator. Where prolonged/repeated exposure is likely **PROTECTIVE CLOTHING** should be worn, including **IMERVIOUS GLOVES AND EYE PROTECTION**.

Usage Description: Use only containers, pipes, joints and seals that are resistant to hydrocarbons. Storage tanks must be positioned within bunded area.

Storage Precautions: Ground container and transfer equipment to eliminate static electric sparks. May attack some plastics, rubber and coatings. Keep in cool, dry ventilated storage and closed containers. Protect material from direct sunlight. Use proper grounding procedures.

Storage Criteria: Flammable liquid storage.

SECTION 8 : EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Ingredient name</u>	<u>Cas No.</u>	<u>STD</u>	<u>LT EXP</u>	<u>ST EXP</u>
			(8 hours)	(15 min)
Naphtha (Petroleum) Hydrotreated heavy	64742-48-9	OEL	1000mg/m3	

**Protective Equipment:**

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

Ventilation: Provide adequate general and local exhaust ventilation. LTEL has been established by using the Reciprocal Calculation Procedure for mixed exposures to hydrocarbon solvents in EH40.

Respirators: No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.

Protective Gloves: Protective gloves should be used if there is a risk of direct contact or splash. Ensure gloves are manufactured/tested in accordance with BS EN 374. Determined penetrations times carried out in accordance with EN 374 part III are not performed under practical conditions. Therefore a maximum wearing time corresponding to 59% of the penetration is recommended.

Eye Protection: Wear splash-proof eye goggles to prevent any possibility of eye contact. Ensure safety spectacles are manufactured/tested in accordance with EN 166.

Other Protection: Use engineering controls to reduce air contamination to permissible exposure level. Provide eyewash station.

Hygienic Work Routines: Wash at the end of each work 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:	Aliphatic hydrocarbon odour.
Colour:	Colourless.
Physical Data Comments	Benzene content <0.1%. Aromatic content: 0.4% typically. Surface Tension: <25 nN/m @ 40C
Solubility Description:	Solubility in water at 20 Deg C :<.10%wt.
Molecular Weight:	calculated
Boiling Point:	160-200
Melting Point (°C):	<-20
Specific Gravity (water=1)	0.77 @ 15°C
Vapour Density (air=1)	>1
Vapour Pressure:	<10mbar @ 37.8°C
Viscosity :	1.09 cps @ 25°C
Flash Point:	>40
Flash Point Method:	CC (Closed cup).

Auto Ignition Temp(°C): >230
Flammability limit (lower %) 0.60
Flammability limit (upper%) 8

SECTION 10 : STABILITY AND REACTIVITY

Stability: Normally stable. Avoid: Heat, sparks, flames.

Hazardous Polymerization: Will not polymerise

Materials to avoid: Strong oxidizing agents

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

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicological information: **ASPIRATION HAZARD** – Do not breathe vapour or spray may cause lung damage if material gets into the lungs after accidental swallowing or vomiting of ingested material. . Vapour concentrations above the recommended exposure levels are irritating to the eyes and respiratory tract, may cause headaches and dizziness , are anaesthetic and may have other central nervous system effects. Prolonged or frequent skin contact may cause irritation and dermatitis. Eye contact may cause irritation but does not injure the eye tissue. **INGESTION:** - small amounts of liquid aspirated into the respiratory tract during ingestion or from vomiting may cause bronchopneumonia or pulmonary oedema. Minimal toxicity.

Skin Contact: Repeated exposure can cause skin dryness and cracking

Eye Contact: Irritating to eyes

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

SECTION 12 : ECOLOGICAL INFORMATION

LC50 96 hrs FISH (mg/kg): >100

Environmental hazards This substance will rapidly evaporate if released into the environment.

Mobility: Slight mobility in soil. Insoluble in water

Bio accumulation: This product has the potential to bio-accumulate

Degradability: Biodegradable according to the appropriate OECD test. The substance is expected to be removed in a wastewater treatment.

SECTION 13: DISPOSAL CONSIDERATIONS

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

Disposal Methods: Do not allow runoff to sewer, waterway or ground. EWC Number: Allocation of a waste code number in accordance with the European Waste catalogue, should be carried out in agreement with an EA authorised waste disposal company. These goods and packaging must be disposed of in accordance with the Special Waste

Regulations 1996.

SECTION 14 : TRANSPORT INFORMATION

Label:	Flammable liquid label.		
ROAD:			
Un No:	1268		
Hazard class (ADR)	Class 3: Flammable liquids	ADR Class No:	3
ADR Pack GR:	3C	ADR Label No:	3
Hazchem code:	3Y		
Proper shipping name:	Petroleum distillates n.o.s.		
RAIL:			
SEA:			
UN SEA:	1268	Sea Transport Class No:	3.3
Sea Pack GR:	III	Marine Pollutant:	No
AIR:			
UN AIR:	1268	Air Transport Class No:	3
Air Pack GR:	3		

SECTION 15 : REGULATORY INFORMATION

EEC (EINECS) No:	265-150-3		
Label for Supply:	Harmful label required		
Safety Phrases:	S-2	Keep out of reach of children	
	S-23	Do not breathe gas/fumes/vapour/spray.	
	S-24	Avoid contact with skin	
	S-61	Avoid release to the environment. Refer to special instructions/ Safety Data Sheets	
	S-62	If swallowed, do not induce vomiting , seek medical advice immediately and show the container or label.	
	S-43,2	In case of fire use foam/dry powder/Co2 extinguisher - NEVER USE WATER.	
Risk Phrases:	R-10	Flammable	
	R-65	Harmful: may cause lung damage if swallowed.	
	R-66	Repeated exposure may cause skin dryness or cracking	

SECTION 16 : OTHER HEALTH AND SAFETY INFORMATION

User Notes:	For further Health and Safety information contact: Health and Safety Officer. Labels should not be removed from containers until they have been cleaned and no product remains within. Since emptied containers retain product residue, follow label warnings even after container is emptied.
Revision comments:	Amendments to sections (1) (2) (16) Classification, packaging, and labelling of chemicals: CHIP 3
Revision date:	01/07/02
Revision No./Replaces	
SDS issued:	5-30/06/00
SDS No.	0040

R-Phrases (full text): R51/53 – toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.
R67 – Vapours may cause drowsiness and dizziness
R65 – Harmful, may cause lung damage if swallowed.

Disclaimer:

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.

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APPROVED BY M. WORLEY