



## SAFETY DATA SHEET

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### 1. IDENTIFICATION OF SUBSTANCE/PREPARATION AND COMPANY

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**PRODUCT NAME:** DURABOND WHITE SPIRIT

**CHEMICAL FAMILY:** PETROLEUM DISTILLATE

**PRODUCT CODE:** 1992

**PRODUCT USES:** A highly refined solvent suitable for general degreasing purposes, brush cleaning and paint thinning.

**MANUFACTURER** Bartoline Limited  
Barmston close  
Beverley  
East Yorkshire  
HU17 0LG

**TELEPHONE** 01482 306851  
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**EXCHANGE** 01482 306840

**SUPPLIER** McLoughlins RS,  
Unit 5,  
Northern Cross Business Park,  
Dundrum,  
Dublin 14.

**TELEPHONE** 00353 1 8239200  
**FAX** 00353 1 8239222

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### 2. COMPOSITION/INFORMATION ON INGREDIENTS

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Petroleum distillate primarily paraffinic hydrocarbons. 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 21<sup>st</sup> ATP to the Dangerous Substance Directive. **This product is not classified as a carcinogen under 67/548/EC and the UK "CHIP" Regulations.** CHIP Entry CAS No 064742-82-1 naphtha (petroleum), hydrodesulfurised heavy.

| HAZARDOUS INGREDIENT                         | CAS No     | CONTENT | RISK PHRASE           | CLASS |
|--|------------|---------|-----------------------|-------|
| Naphtha (petroleum), hydrodesulfurised heavy | 64742-82-1 | 97%     | R10, R52/53, R65, R66 | Xn N  |

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### 3. HAZARDS IDENTIFICATION

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#### HEALTH HAZARDS

**HARMFUL:** May cause lung damage if swallowed.

#### PHYSICAL & CHEMICAL HAZARDS

**DANGEROUS FOR THE ENVIRONMENT** Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

**FLAMMABLE:** Moderate Hazard. Liquid can release vapours that can form Flammable mixtures upon heating to temperatures at or above the flash point.

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### 4. FIRST AID MEASURES

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**INHALATION:** Remove to fresh air. If unconscious, place in recovery position. Seek medical help.

|                      |  |
|----------------------|--|
| <b>SKIN CONTACT:</b> | Wash area with plenty soap and water. Remove any heavily contaminated clothing. Seek advice if irritation persists.  |
| <b>EYE CONTACT:</b>  | Flush out eyes with clean water, whilst lifting the eyelids, continue for 15 minutes or until the irritation subsides. Seek medical help if irritation persists. |
| <b>INGESTION:</b>    | If swallowed, <b>DO NOT</b> induce vomiting. Wash out mouth and give water to drink Get immediate medical help.  |

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## 5. FIRE FIGHTING MEASURES

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### FIRE FIGHTING PROCEDURES

Use water spray to cool surfaces exposed to the fire, and to protect personnel. If possible shut off source of fuel to the fire.

Use foam, Dry Powder or water spray to extinguish the fire.

### SPECIAL FIRE PRECAUTIONS

Avoid spraying water directly into storage containers due to danger of boilover.  
Do not use water jet as this may spread the fire.

### SPECIAL PRECAUTIONS

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

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## 6. ACCIDENTAL RELEASE MEASURES

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**LAND SPILL:** Eliminate sources of ignition.  
Prevent liquid from entering sewers or drains.  
Keep public away from the area.  
Shut of source if possible to do so without hazard.  
Inform the local authority and fire service should the material enter drains, watercourse or has contaminated soil or vegetation.  
Contain spillage with earth or sand.  
Recover by pumping (use an explosive proof electrical pump or hand pump) If liquid is too viscous for pumping, scrape up with shovels or pails and place in suitable containers for recycling or disposal.  
Consult an expert on disposal of recovered material and ensure conformity with local disposal regulations.

**WATER SPILL:** Eliminate sources of ignition and request other shipping to stay clear.  
Notify port or relevant authority and keep public away.  
Shut off source if possible to do so without hazard. Confine if possible.  
Remove from surface by skimming or with suitable absorbent.  
Consult an expert on disposal of recovered material and ensure conformity with local disposal regulations.

See section 13 Disposal Considerations.

**PERSONAL PROTECTION:** Please refer to section 8 for details of personal protective equipment to be worn.

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## 7. HANDLING AND STORAGE

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**HANDLING:** Avoid unnecessary skin contact (use of barrier cream can be beneficial).  
Where prolonged or repeated exposure is likely the use of Personal Protective Equipment may be appropriate (Face screen/goggles, impervious Nitrile gloves). See Section 8.  
Ensure area is well ventilated and take care to prevent build up of static electricity.  
Keep containers closed. Open slowly in order to control possible pressure release.  
Do not heat, cut or weld containers even when empty as explosive vapours may be present.  
If using the product in a confined space it is recommended that mechanical ventilation be employed to prevent vapour build up.

**STORAGE:** The design, construction and use of bulk storage and handling facilities is covered by codes of practice HSG 176 The Storage of Flammable Liquids in Tanks and HSG 51 The Storage of Flammable Liquids in Containers gives sound advice.

**In outline.**

Store in a cool well-ventilated place out of direct sunlight and away from children.

Keep in original container, which should be kept closed.

Drums should be stored on their sides on racks preferably under cover, out of direct sunlight. Care should be taken to ensure outside areas are banded to prevent accidental release to the environment.

Smaller containers PET bottles should be stored under cover out of direct sunlight, in well ventilated conditions do not over stack pallets

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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### Engineering Control Measures:

The use of dilution ventilation is recommended whenever this product is used in side buildings. Maintain a good standard of ventilation at all other times. The use of Local Exhaust Ventilation is recommended to control emissions near the source especially when used in confined spaces such as laboratories and small workrooms.

### Occupational Exposure Limits:

This product is a complex mixture, The HSE guidelines in EH40 require an Occupational Exposure Limit of 600mg/m<sup>3</sup> 100ppm Time Weighted Average (8hours)

### Personal Protective Equipment:

- For open systems where prolonged contact is likely, wear safety glasses with side shields, long sleeves and chemical resistant gloves (Nitrile).
- Where contact may occur, wear safety glasses with side shields.
- Where the concentrations in air may exceed the limits given in this section, and engineering, work practice or other means of exposure reduction are not adequate, approved respirators may be necessary to prevent over exposure by inhalation. It is recommended to use half face filter mask to protect from overexposure by inhalation. Suitable filter material depends on the amount and type of chemical being handled, but filter material of type "A" or similar may be considered suitable for use.

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## 9. PHYSICAL & CHEMICAL PROPERTIES

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These are indicative values only:

|                                   |                            |
|-----------------------------------|----------------------------|
| <b>Physical State:</b>            | Liquid                     |
| <b>Form/colour:</b>               | Water white                |
| <b>Odour:</b>                     | Distinctive petroleum type |
| <b>Ph ( ) (Deg C):</b>            | Not determined             |
| <b>Boiling Point (Deg C)</b>      | 155 - 196 Deg C            |
| <b>Flashpoint (PMCC)</b>          | 40 Deg C                   |
| <b>Autoignition Temperature:</b>  | 230 Deg C                  |
| <b>Explosive Limits (In Air):</b> | 0.6 – 8.0 Vol. %           |
| <b>Vapour Pressure</b>            | < 10 mbar @ 37.8 Deg C     |
| <b>Density (15 Deg C):</b>        | 0.785 g/ml                 |
| <b>Solubility In Water</b>        | Negligible                 |

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## 10. STABILITY AND REACTIVITY

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|--|--|
| <b>Stability:</b>  | Stable   |
| <b>Conditions to avoid Instability:</b>                      | Heat (Flammable)   |
| <b>Materials &amp; Conditions to avoid (Incompatibility)</b> | Strong Oxidising Agents Plastic containers unless approved i.e PET |

### Hazardous Decomposition Products:

Thermal decomposition may lead to the formation of a multiplicity of compounds some of, which may be hazardous. With incomplete combustion smoke and hazardous fumes and gases, including carbon monoxide may be formed.

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## 11. TOXICOLOGICAL INFORMATION

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### Acute:

#### Inhalation:

Vapour concentrations above recommended exposure levels are irritating to the eyes and the respiratory tract, may cause headaches and dizziness, are anaesthetic and may have other central nervous system effects.

#### Skin Contact:

Low order of toxicity, frequent or prolonged contact may irritate and cause dermatitis.

#### Eye Contact:

Slightly irritating, but does not injure eye tissue.

#### Ingestion:

Small amounts of liquid aspirated into the respiratory system during ingestion or from vomiting may cause bronchopneumonia or pulmonary edema.

### Chronic:

**Because of the low Benzene content within the white spirit it is not classified as a carcinogen under 67/548/EC and no data on any chronic effect can be found.**

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## 12.ECOLOGICAL INFORMATION

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### Environmental Mobility:

This substance is highly volatile and will rapidly evaporate to the air if released into the Environment.

### Environmental Degradability:

Based upon data for a similar substance or estimated data.

This substance is expected to biodegrade slowly.

This substance can degrade rapidly in air.

### Ecotoxicity:

Based upon data for similar substance or estimated data.

This product will be damaging to aquatic life if released into ponds or rivers.

Classified as Toxic for the environment following SIA guidance

It is expected that the product will biodegrade slowly

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## 13.DISPOSAL CONSIDERATIONS

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The following advice only applies to the product as supplied.

Combination with other materials may well indicate another route of disposal. If in doubt, contact local authorities.

Empty drums should be taken for recycling, recovery or disposal through a suitably qualified or licensed contractor.

### Care should in any case be to ensure compliance with EC, National and local regulations.

This product is not suitable for disposal via municipal sewers, drains or natural Rivers.

This product is ashless and can be burned directly in appropriate equipment.

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## 14.TRANSPORT INFORMATION

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### Label for Conveyance

|                              |                                      |
|------------------------------|--------------------------------------|
| UN Number                    | 1300                                 |
| Shipping name                | TURPENTINE SUBSTITUTE (White Spirit) |
| Class                        | 3                                    |
| Packing group                | III                                  |
| IMDG Code                    | 3                                    |
| CAS No                       | 64742-82-1                           |
| Marine Pollutant             | Yes                                  |
| ADR Class                    | 3                                    |
| ADR Classification code      | F1                                   |
| Emergency Action Code        | 3Y                                   |
| Hazard Identification Number | 30                                   |
| Limited Quantity size        | 5 litres                             |
| ICAO/IATA CLASS              | 3                                    |

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## 15.REGULATORY INFORMATION

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### Label for Supply

Label Name Contains Naphtha (petroleum) hydrodesulfurised heavy

Risk Phrase R10 Flammable  
R65 Harmful: may cause lung damage if swallowed.  
R66 Repeated exposure may cause skin dryness or cracking.

|                      |        |  |
|----------------------|--------|--|
|                      | R51/53 | Toxic: To aquatic organisms, may cause long-term adverse effects in the aquatic environment.           |
| <b>Safety Phrase</b> | S 2    | Keep out of reach of children  |
|                      | S23    | Do not Breath vapour   |
|                      | S 24   | Avoid contact with skin  |
|                      | S62    | If swallowed do not induce vomiting: seek medical advice immediately and show this container or label. |
|                      | S56    | Dispose of this material and its container to hazardous or special waste collection point              |

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.

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## 16. OTHER INFORMATION

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**The product should not be used for purposes other than those shown in Section 1. As the specific conditions of use are outside the suppliers control, the user is responsible for ensuring that the requirements of relevant legislation are complied with. The information contained in this safety data sheet is based on the present knowledge and the current UK legislation and EC Directive 91/155EC. It provides guidance on health, safety and environmental aspects of the product and should not be taken as a product specification.**

**Department issuing this document: Health & Safety**

**Compilation Date: 25 January 2004**

**Issue Number: 5**

**Changes from last issue:**

- Section 1 inclusion of supplier details**
- Section 2 inclusion of risk phrases**
- Section 6 inclusion of PPE requirements**
- Section 11 Additional information on Chronic effects**
- Section 16 Update of changed material information.**