



## SAFETY DATA SHEET

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

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**PRODUCT NAME:** DURABOND PAINT & VARNISH STRIPPER

**PRODUCT CODE:** 5587

**CHEMICAL CHARACTERISATION:** A Blend of Chlorinated Hydrocarbon & Methanol.

**PRODUCT USES:** Intended as a liquid for easy stripping of paint/ varnish for use on wood, metal glass, plaster concrete, stone, brickwork but not plastics.

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Beverley  
East Yorkshire  
HU17 0LG

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**EXCHANGE** 01482 306840

**SUPPLIER** McLoughlins RS,  
Unit 5,  
Northern Cross Business Park,  
Finglas,  
Dublin 11.

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

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### 2. COMPOSITION/INFORMATION ON INGREDIENTS

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An advanced blend of polar and non polar solvents containing thickening agents, waxes and stabilisers.

HAZARDOUS INGREDIENT	CAS No	CONTENT	RISK PHRASE	CLASS
Methylene Chloride	75-09-2	85%	R40	Xn
Methanol	67-56-1	5%	R11, R20/21/22, 68/20/21/22	F,T
o-xylene	95-47-6	5%	R10, R20/21, R38	Xn, Xi
Ammonia Solution	1336-21-6	0.8%	R34, R50	C N

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### 3. HAZARDS IDENTIFICATION

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#### HEALTH HAZARDS:

#### LIMITED EVIDENCE OF A CARCINOGENIC EFFECT

**HARMFUL:** Possible risk of irreversible effects through inhalation, in contact with skin and if swallowed.

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#### FIRST AID MEASURES

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

**SKIN CONTACT:** Wash area with plenty soap and water. Remove any heavily contaminated clothing. Obtain medical attention if redness or blistering occurs and persists.

**EYE CONTACT:** Flush out eyes with clean water, whilst lifting the eyelids, continue for 15 minutes or until the irritation subsides. Seek medical help urgently.

**INGESTION:**

If swallowed, **DO NOT** induce vomiting which may contaminate the lungs. Rinse out mouth with water and give 200ml of warm water to drink Get immediate medical help.

**5. FIRE FIGHTING MEASURES****FIRE FIGHTING PROCEDURES:**

This product is not classified as flammable however use water spray to cool surfaces exposed to the fire, and to protect personnel. If possible shut of source of fuel to the fire.

Use media suitable for area under fire avoid using water jet as this may spread the fire.

**SPECIAL PRECAUTIONS:**

May evolve toxic fumes in a fire. Fire fighters should wear self-contained breathing apparatus and protective clothing. Prevent run off water from entering drains and sewers if this is unavoidable inform local authorities.

**6. ACCIDENTAL RELEASE MEASURES**

Prevent liquid from entering sewers or drains.  
 Keep public away from the area.  
 Shut of source if possible without hazard.  
 Inform the local authority and fire service should the material enter drains, watercourses or has contaminated soil or vegetation.  
 Where possible contain spillage with earth, sand or absorbent spill control material.  
 Recover product by pumping, if material becomes too viscous for pumping, scrape up with shovels or pails and place in a metal closable container for disposal.  
 Consult an expert on disposal of recovered material and ensure conformity with local disposal regulations.

**PERSONAL PROTECTION:**

Please refer to section 8 for details of personal protective equipment to be worn.

**7.HANDLING AND STORAGE****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 Viton gloves). See Section 8.  
 Ensure area is well ventilated  
 Open containers slowly in order to control possible pressure release in warm conditions.  
 Keep containers closed when not in use.  
 If using the product in a confined space it is recommended that mechanical ventilation be employed to prevent vapour build up.

**STORAGE:**

Keep containers sealed. Store away from combustible materials. Keep containers in a cool well-ventilated area.  
 Drums should be stored on their sides in racking preferably under cover, out of direct sunlight.  
 Care should be taken to ensure outside areas are bunded to prevent accidental release to the environment.  
 Smaller metal containers on pallets should be stored under cover out of direct sunlight, in well-ventilated conditions, do not over stack pallets.  
 Do not transfer to plastic containers.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Engineering Control Measures:**

The use of dilution ventilation is recommended whenever this product is used in a confined space. Maintain a good standard of ventilation at all other times.

**Occupational Exposure Limits:**

It is recommended that the following exposure limits be used for this product, as contained in EH 40.

Methylene Chloride (Dichloromethane)MEL	8hour TWA 100ppm 15 Min ref period 300ppm
	Irish OELV (8 hr TWA) 50ppm 174 mg/m3
Methanol	OES 8 hour TWA 200ppm 15 Min ref period 250ppm

Xylene	OES	8 hour TWA 100ppm 15 Min ref period 150ppm Irish OELV (8hr TWA) 50ppm 15 min ref period 100ppm
Ammonia	OES	8 hour TWA 25ppm 15 Min ref period 35ppm Irish OELV (8 hr TWA) 20ppm

**Personal Protective Equipment:**

- For open systems where prolonged contact with skin and eyes is likely, wear safety glasses with side shields, long sleeves and chemical resistant gloves (Viton). Note no glove material will provide more than short-term protection against Dichloromethane and therefore direct contact should be engineered out
- Where contact may occur, wear safety glasses with side shields and Viton gloves.
- 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. In areas where very high concentrations of vapour are present such as in pits, wells trenches or cellars positive pressure air fed breathing apparatus is recommended.

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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>	White opaque liquid
<b>Odour:</b>	Slightly sweet solvent odour
<b>pH ( ) (Deg C):</b>	Not determined
<b>Boiling Point (Deg C)</b>	39 Deg C
<b>Freeze/Melt/Point:</b>	N/A
<b>Flashpoint (PMCC)</b>	Non Flammable -
<b>Autoignition Temperature:</b>	Not determined
<b>Specific Gravity (@ 20 degrees C)</b>	1.18-1.122
<b>Vapour Density (101.2 Kpa/air = 1)</b>	2.93
<b>Solubility in water</b>	Partially soluble in water

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**10. STABILITY AND REACTIVITY**

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<b>Hazardous Polymerisation:</b>	No
<b>Conditions to avoid Polymerisation:</b>	N/A
<b>Stability:</b>	Stable
<b>Conditions to avoid</b>	Avoid direct heat, plastics
<b>Hazardous Decomposition Products:</b>	May liberate Phosgene and Hydrogen Chloride

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**11. TOXICOLOGICAL INFORMATION**

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**Acute:**

**Inhalation:**

In halation of low concentrations may cause headache, nausea, inco-ordination and drunkenness. High concentrations may cause bronchitis, pulmonary oedema, vomiting, numbness of the extremities, cyanosis, unconsciousness and death.

**Skin Contact:**

May cause burns to the skin. May be absorbed through the skin.

**Eye Contact:**

Causes severe irritation to the eyes

**Ingestion:**

Harmful if swallowed. Ingestion may prove fatal.

**CHRONIC EFFECTS:** May cause kidney and liver damage.

**Dichloromethane is a class 3 carcinogen however working below the Maximum Exposure Limit given in section 8 will virtually eliminate any carcinogenic risk.**

**TOXIC DOSE - LD 50:** 1600 mg/kg (oral rat)

**OTHER HEALTH EFFECTS:** IARC Int. Agency for Cancer Research. Consolidated carcinogen list. Carcinogen Category 3.

**ROUTE OF ENTRY:** Inhalation. Skin absorption. Ingestion. Skin and/or eye contact.

**TARGET ORGANS:** Central nervous system. Eyes. Heart & cardiovascular system. Kidneys. Liver. Respiratory system, lungs. Skin.

**MEDICAL SYMPTOMS:** Extreme irritation of eyes and mucous membranes, including burning and tearing. Dilated pupils. Severe skin irritation. Nausea, vomiting. Unconsciousness, possibly death. Central nervous system depression. Drowsiness, dizziness, disorientation, vertigo. Behavioral changes. Hypotension (low blood pressure).

**MEDICAL CONSIDERATIONS:** Skin disorders and allergies. Liver and/or kidney problems. Convulsive disorders, CNS problems. History of smoking.

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## 12.ECOLOGICAL INFORMATION

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**Ecotoxicity:**

Based upon data for similar substance or estimated data.

The product is not expected to bio-accumulate.

The product is rapidly degraded in air.

It is anticipated that the product would be readily desorbed from soils.

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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.

Any substance or 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 via municipal sewers, drains or natural Rivers. The environmental Protection Act 1990 applies in the UK.

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## 14.TRANSPORT INFORMATION

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**Label for Conveyance**

<b>UN Number</b>	2810
<b>Shipping name</b>	Toxic Liquid Organic NOS (Methylene Chloride & Methanol)
<b>Class</b>	6.1
<b>Packing group</b>	III
<b>IMDG Code</b>	6
<b>CAS No</b>	Preparation
<b>EEC No</b>	Preparation
<b>ADR Class</b>	6.1
<b>ADR Classification Code</b>	T1
<b>Emergency Action Code</b>	2X
<b>Hazard Identification Number</b>	60
<b>Limited Quantity Size</b>	1Litre

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## 15. REGULATORY INFORMATION

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**Label for Supply**



<b>Label Name</b>	<b>Contains Methylene &amp; less than 10% Methanol</b>	
<b>Risk Phrase</b>	R40 R20/21/22 R68/20/21/22	Limited evidence of a carcinogenic effect. Harmful by inhalation in contact with skin and if swallowed Possible risk of irreversible effects through inhalation, in contact with skin and if swallowed.
<b>Safety Phrase</b>	S2 S7/9 S13 S 24/25	Keep out of reach of children Keep container tightly closed in a cool well-ventilated place. Keep away from food, drink and animal feeding stuffs. Avoid contact with skin and eyes.

S36/37	Wear suitable protective clothing and gloves.
S 46	If swallowed, seek medical advice immediately and show this container or label
S51	Use only in well ventilated areas.
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 4 Correction of spelling mistake Inhalation**
- Section 6 Addition of PPE requirements**
- Section 8 Inclusion of Irish OELV standards**
- Section 11 Additional information of Toxicity and chronic effects.**