



# SAFETY DATA SHEET

## 1: IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product Name: **PROOFEX WG BASE**

Application: Base component of three part epoxy grout system.

Company: **Fosroc Limited**

Address: Coleshill Road, Tamworth, Staffordshire. B78 3TL

Telephone: 01827 262222 Out of Hours: 01827 265279 Fax: 01827 262444

## 2: COMPOSITION/INFORMATION ON INGREDIENTS

Composition: epoxy resin.

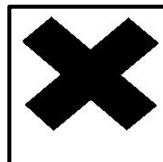
Hazardous Ingredient(s)	Symbol	Risk Phrases	Other Information	%
epoxy resin (number average molecular weight <700)	Xi, N	R36/38, 43, 51/53	Cas No: 25068-38-6	>50
2-ethylhexyl glycidylether	Xi, N	R36/38, 43, 51/53	Cas No: 2461-15-6 Cas No: Cas No: Cas No:	>10 <25

All constituents of this product are listed in EINECS (European Inventory of Existing Commercial Chemical Substances) or ELINCS (European List of New Chemical Substances) or are exempt.

Refer to Section 8 for Occupational Exposure Limits.

## 3: HAZARDS IDENTIFICATION

R36/38: Irritating to eyes and skin.  
R43: May cause sensitisation by skin contact.  
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment



IRRITANT



Dangerous for the Environment



## 4: FIRST AID MEASURES

Eyes: Irrigate immediately with copious quantities of water for several minutes. Obtain medical attention urgently.

Skin: Wash thoroughly with soap and water or suitable skin cleanser as soon as possible. Obtain medical advice if skin disorders develop.

Inhalation: Remove from exposure.

Ingestion: Obtain medical attention. Do NOT induce vomiting. Beware of aspiration if vomiting occurs.

## 5: FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Carbon dioxide, powder, foam or water fog - Do not use water jets.

Special Exposure Hazards: Toxic fumes. For further information see Section 10.

Special Protective Equipment: Self-contained breathing apparatus.

## 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear suitable protective clothing, gloves and eye/face protection.

Environmental Precautions: Prevent entry into drains, sewers and water courses.  
Decontamination Procedures: Soak up with inert absorbent or contain and remove by best available means.  
Gather into containers. Dispose of as waste.

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## 7: HANDLING AND STORAGE

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Handling: Maintain good standards of personal hygiene. Avoid skin and eye contact. Do not eat, drink or smoke whilst using this product. Ensure adequate ventilation.

Storage: Keep containers dry and tightly closed.

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## 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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Occupational Exposure Limits:- None assigned.

Substance	8 Hour TWA	STEL	Source/Other Information
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Engineering Control Measures: No specific ventilation requirement noted.

Personal Protective Equipment: Impervious gloves (eg PVC). Safety glasses (Conforming to EN 166) / Goggles (Conforming to EN 166). Change contaminated clothing and clean before re-use.

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## 9: PHYSICAL AND CHEMICAL PROPERTIES

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Physical State: Liquid.

Colour: Straw.

Odour: Mild.

pH(concentrate):

pH(working dilution):

Boiling Point/Range (°C): > 200°C

Melting Point/Range (°C):

Flash Point (closed, °C): >200°C

Autoflammability (°C): Not determined.

Viscosity (at 20°C):

Explosive Properties (%): Not known.

Oxidising Properties:

Vapour Pressure (kPa at 20°C): 0.001

Relative Density (at 20°C): 1.14

Water Solubility: Insoluble.

Fat Solubility: Not determined.

Partition Coefficient (n-octanol/water):

Other data:

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## 10: STABILITY AND REACTIVITY

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Stability: Stable: reacts with compounds containing amino, hydroxyl or carboxyl groups to give stable, cross linked materials.

Conditions to Avoid: None known.

Materials to Avoid: Strong acids. Strong alkalis. Strong oxidising agents.

Hazardous Decomposition Products: Thermal decomposition:- Oxides of carbon. Irritant fumes.

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## 11: TOXICOLOGICAL INFORMATION

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The following toxicological assessment is based on a knowledge of the toxicity of the product's components.

Expected oral LD50, rat > 2g/kg.

Classified as a skin sensitiser.

### Health Effects

On Eyes: Causes transient irritation.

On Skin: Irritation. May cause sensitisation.

By Inhalation: May cause respiratory irritation.

By Ingestion: May cause irritation of mouth, throat and digestive tract.

Chronic: Repeated and prolonged skin contact may lead to skin disorders.

Other:

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## 12: ECOLOGICAL INFORMATION

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Environmental Assessment: When used and disposed of as intended, no adverse environmental effects are foreseen.

Mobility: Mobile liquid. Insoluble in water

Persistence and Degradability: Not readily biodegradable.

Bioaccumulative Potential: Has the potential to bioaccumulate.

Ecotoxicity: Ecotoxic to fish/daphnia/algae.

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## 13: DISPOSAL CONSIDERATIONS

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Disposal must be in accordance with local and national legislation.

Unused Product: Dispose of through an authorised waste contractor to a licensed site.

Used/Contaminated Product: As for Unused product.

Packaging: Must be disposed of through an authorised waste contractor.

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## 14: TRANSPORT INFORMATION

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UN Number: 3082

IMO: Class: 9 Packing Group: III Marine Pollutant:

IATA/ICAO: Class: Packing Group: III

ADR: Class: 9 Item: 11(c)

Transport Name: Environmentally hazardous substance, liquid, nos. (Epoxy Resin)

Hazchem/Kemler Code: 90

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## 15: REGULATORY INFORMATION

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### Hazard Label Data:-

Named Ingredients: epoxy resin (number average molecular weight <700).

UN Number: 3082

Symbol(s): Xi: Irritant, N: Dangerous for the Environment

Risk Phrases: R36/38: Irritating to eyes and skin  
R43: May cause sensitisation by skin contact  
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Safety Phrases: S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S28: After contact with skin, wash immediately with plenty of soap and water.  
S37/39: Wear suitable gloves and eye/face protection.  
S0062: Contains epoxy constituents. See information supplied by the manufacturer.





# SAFETY DATA SHEET

## 1: IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product Name: **PROOFEX WG HARDENER**

Application: Hardener component of three part epoxy grout system.

Company: **Fosroc Limited**

Address: Coleshill Road, Tamworth, Staffordshire. B78 3TL

Telephone: 01827 262222 Out of Hours: 01827 265279 Fax: 01827 262444

## 2: COMPOSITION/INFORMATION ON INGREDIENTS

Composition: trimethylhexamethylene diamine.

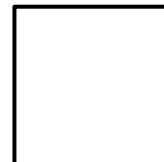
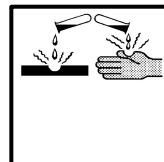
Hazardous Ingredient(s)	Symbol	Risk Phrases	Other Information	%
trimethylhexamethylene diamine	C;	R22, 34, 43, 52/53	Cas No: 25620-58-0	>50
			Cas No:	
			Cas No:	
			Cas No:	
			Cas No:	

All constituents of this product are listed in EINECS (European Inventory of Existing Commercial Chemical Substances) or ELINCS (European List of New Chemical Substances) or are exempt.

Refer to Section 8 for Occupational Exposure Limits.

## 3: HAZARDS IDENTIFICATION

R34: Causes burns.  
R21/22: Harmful in contact with skin and if swallowed.  
R43: May cause sensitisation by skin contact.  
R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment



CORROSIVE

## 4: FIRST AID MEASURES

Eyes: Irrigate immediately with copious quantities of water for several minutes. Obtain medical attention urgently.

Skin: Wash immediately with soap and water or suitable skin cleanser. Remove contaminated clothing immediately.

Inhalation: Remove from exposure.

Ingestion: Wash out mouth with water. Do NOT induce vomiting. Obtain medical attention urgently. Beware of aspiration if vomiting occurs.

## 5: FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Carbon dioxide, powder, foam or water fog - Do not use water jets.

Special Exposure Hazards: Toxic fumes. Nitrogen compounds.

Special Protective Equipment: Self-contained breathing apparatus.

## 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear suitable protective clothing, gloves and eye/face protection.

Environmental Precautions: Prevent entry into drains, sewers and water courses.  
Decontamination Procedures: Soak up with inert absorbent or contain and remove by best available means.  
Gather into containers. Dispose of as waste. Clean contaminated area with water.

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## 7: HANDLING AND STORAGE

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Handling: Ensure adequate ventilation. Avoid breathing vapours. Maintain good standards of personal hygiene.  
Avoid skin and eye contact.  
Storage: Store in cool, dry area. Protect from frost. Store only in original container. Never leave a container unsealed.

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## 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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Occupational Exposure Limits:- None assigned.  
Substance 8 Hour TWA STEL Source/Other Information

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Engineering Control Measures: Use only in well ventilated areas. Local exhaust ventilation is recommended.  
Personal Protective Equipment: Avoid skin and eye contact. Impervious gloves (eg PVC). Goggles (Conforming to EN 166). Change contaminated clothing immediately and clean before re-use.

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## 9: PHYSICAL AND CHEMICAL PROPERTIES

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Physical State: Liquid.  
Colour: Clear.  
Odour: Sharp.  
pH(concentrate): 11 @ 1:1 mixture  
pH(working dilution):  
Boiling Point/Range (°C): >230°C  
Melting Point/Range (°C):  
Flash Point (closed, °C): 110°C  
Autoflammability (°C): 350°C  
Viscosity (at 20°C):  
Explosive Properties (%): Lower explosive limit (LEL): 1.2 vol.%  
Oxidising Properties:  
Vapour Pressure (kPa at 20°C): 0.002  
Relative Density (at 20°C): 0.89  
Water Solubility: Miscible  
Fat Solubility:  
Partition Coefficient (n-octanol/water):  
Other data:

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## 10: STABILITY AND REACTIVITY

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Stability: Stable.  
Conditions to Avoid: None known.  
Materials to Avoid: Strong oxidising agents. Strong acids.  
Hazardous Decomposition Products: Thermal decomposition:- Oxides of carbon. Nitrogen compounds, in some fire circumstances, hydrogen cyanide.

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## 11: TOXICOLOGICAL INFORMATION

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The following toxicological assessment is based on a knowledge of the toxicity of the product's components:  
Oral LD50, rat 910mg/kg

### Health Effects

On Eyes: Severe irritation. Causes irreversible damage to eye tissue if not removed promptly.  
On Skin: Corrosive - causes burns. May cause sensitisation.  
By Inhalation: Irritating to respiratory system.  
By Ingestion: Corrosive - causes severe damage to mouth, throat and digestive tract.  
Chronic: Repeated or prolonged skin contact will result in severe irritation leading to burns.  
Other:

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## 12: ECOLOGICAL INFORMATION

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Environmental Assessment: When used and disposed of as intended, no adverse environmental effects are foreseen.  
Mobility: Mobile liquid. Insoluble in water.  
Persistence and Degradability: Expected to be not readily biodegradable.  
Bioaccumulative Potential: Not bioaccumulative based on logP values of constituents.  
Ecotoxicity: Expected to be ecotoxic to fish/daphnia/algae.

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## 13: DISPOSAL CONSIDERATIONS

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Disposal must be in accordance with local and national legislation.

Unused Product: Classified as a special waste. Dispose of through an authorised waste contractor to a licensed site.  
Used/Contaminated Product: Classified as a special waste. Dispose of through an authorised waste contractor to a licensed site.  
Packaging: Must be disposed of through an authorised waste contractor.

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## 14: TRANSPORT INFORMATION

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UN Number: 2327  
IMO: Class: 8 Packing Group: III Marine Pollutant:  
IATA/ICAO: Class: 8 Packing Group: III  
ADR: Class: 8 Item: 53 (c)  
Transport Name: Trimethylhexamethylenediamines  
Hazchem/Kemler Code: 2X / 80

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## 15: REGULATORY INFORMATION

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### Hazard Label Data:-

Named Ingredients: trimethylhexamethylene diamine  
UN Number: 2327  
Symbol(s): C: Corrosive  
Risk Phrases: R34: Causes burns.  
R21/22: Harmful in contact with skin and if swallowed.  
R43: May cause sensitisation by skin contact.  
R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment







# SAFETY DATA SHEET

## 1: IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product Name: **PROOFEX WG FILLER**

Application: Filler component of three part epoxy grout system.

Company: **Fosroc Limited**

Address: Coleshill Road, Tamworth, Staffordshire. B78 3TL

Telephone: 01827 262222 Out of Hours: 01827 265279 Fax: 01827 262444

## 2: COMPOSITION/INFORMATION ON INGREDIENTS

Composition: silica flour, silica sands.

None of the ingredients of this product are classified as hazardous.

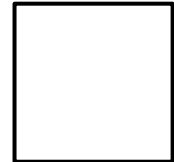
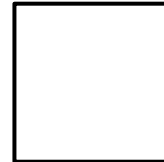
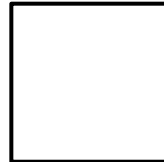
Hazardous Ingredient(s)	Symbol	Risk Phrases	Other Information	%
			Cas No:	
			Cas No:	
			Cas No:	
			Cas No:	
			Cas No:	

All constituents of this product are listed in EINECS (European Inventory of Existing Commercial Chemical Substances) or ELINCS (European List of New Chemical Substances) or are exempt.

Refer to Section 8 for Occupational Exposure Limits.

## 3: HAZARDS IDENTIFICATION

Long term inhalation may cause health problems.



## 4: FIRST AID MEASURES

Eyes: Irrigate immediately with copious quantities of water for several minutes. Obtain medical attention if irritation persists.

Skin: Wash thoroughly with soap and water or suitable skin cleanser as soon as possible.

Inhalation: Remove from exposure. If feeling unwell obtain medical attention.

Ingestion: Wash out mouth with water. Do NOT induce vomiting.

## 5: FIRE FIGHTING MEASURES

Suitable Extinguishing Media: None, not flammable.

Special Exposure Hazards: None.

Special Protective Equipment: None.

## 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear suitable protective clothing, gloves and eye/face protection.

Environmental Precautions: Prevent entry into drains, sewers and water courses.

Decontamination Procedures: Gather into containers. Avoid the creation of dust in atmosphere.

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## 7: HANDLING AND STORAGE

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Handling: Avoid breathing dust. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid skin and eye contact.

Storage: Store in cool, dry area.

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## 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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Occupational Exposure Limits:-

Substance	8 Hour TWA	STEL	Source/Other Information
Silica, crystalline respirable dust	0.3 mgm <sup>-3</sup> (MEL)	-----	EH40
silica, amorphous: total inhalable dust respirable dust	6 mgm <sup>-3</sup> 2.4 mgm <sup>-3</sup>	-----	EH40

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Engineering Control Measures: Use only in well ventilated areas. Atmospheric levels of dust must be maintained within the Occupational Exposure Limit.

Personal Protective Equipment: Approved dust mask, conforming to EN 149. Nominal Protection Factor (NPF) to be determined.. Avoid skin and eye contact. Impervious gloves (eg PVC). Safety glasses (Conforming to EN 166).

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## 9: PHYSICAL AND CHEMICAL PROPERTIES

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Physical State:	Powder.
Colour:	Off-white.
Odour:	Odourless
pH(concentrate):	Not applicable.
pH(working dilution):	
Boiling Point/Range (°C):	Not applicable.
Melting Point/Range (°C):	Not applicable.
Flash Point (closed, °C):	None.
Autoflammability (°C):	Not applicable.
Viscosity (at 20°C):	
Explosive Properties (%):	Can form explosive dust cloud.
Oxidising Properties:	Not determined.
Vapour Pressure (kPa at 20°C):	
Relative Density (at 20°C):	2.02
Water Solubility:	Insoluble.
Fat Solubility:	
Partition Coefficient (n-octanol/water):	
Other data:	

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## 10: STABILITY AND REACTIVITY

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Stability:	Stable.
Conditions to Avoid:	None known.
Materials to Avoid:	Strong oxidising agents.
Hazardous Decomposition Products:	None.

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## 11: TOXICOLOGICAL INFORMATION

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### Health Effects

- On Eyes: Irritating and may injure eye tissue if not removed promptly.
- On Skin: Unlikely to irritate on brief or occasional exposure.
- By Inhalation: May cause respiratory irritation.
- By Ingestion: Low order of acute toxicity.
- Chronic: Respirable dust, if inhaled over a prolonged period, constitute a health hazard. Inhalation of particles of free silica, in the respirable range, can give rise to fibrosis of the lungs.
- Other:

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## 12: ECOLOGICAL INFORMATION

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- Environmental Assessment: When used and disposed of as intended, no adverse environmental effects are foreseen.
- Mobility: Insoluble in water.
- Persistence and Degradability: Not applicable.
- Bioaccumulative Potential: Not expected to be bioaccumulative.
- Ecotoxicity: Not ecotoxic to fish/daphnia/algae.

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## 13: DISPOSAL CONSIDERATIONS

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- Disposal must be in accordance with local and national legislation.
- Unused Product: Dispose of in an approved manner.
- Used/Contaminated Product: Dispose of through an authorised waste contractor to a licensed site.
- Packaging: The method of disposal must be acceptable to the local authority.

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## 14: TRANSPORT INFORMATION

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- This product is NOT classified as dangerous for transport.
- UN Number:
- |            |        |                |                   |
|------------|--------|----------------|-------------------|
| IMO:       | Class: | Packing Group: | Marine Pollutant: |
| IATA/ICAO: | Class: | Packing Group: |                   |
| ADR:       | Class: | Item:          |                   |
- Transport Name:
- Hazchem/Kemler Code:

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## 15: REGULATORY INFORMATION

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### Hazard Label Data:-

- This product is NOT classified as dangerous for supply in the UK.
- Named Ingredients:
- UN Number:
- Symbol(s):
- Risk Phrases:
- Safety Phrases: S22: Do not breathe dust.  
S37/39: Wear suitable gloves and eye/face protection.
- EC Directives: Dangerous Substances Directive, 67/548/EEC and adaptations.  
Dangerous Preparations Directive, 1999/45/EC.  
Safety Data Sheets Directive, 91/155/EEC.
- Statutory Instruments: Chemicals (Hazard Information and Packaging for Supply) (Amendment) Regs. 1996 (SI 1092).  
Environmental Protection (Duty of Care) Regs. 1991 (SI 2839).
- Codes of Practice: Waste Management. The Duty of Care.

