

# Mann Construction Ltd.

## CONTROL OF SUBSTANCES HAZARDOUS TO HEALTH REGULATIONS 1988 - 2002.

As an employer we are required by the COSHH Regulations to provide adequate information to employees to ensure safe use of substances which may cause ill health. Most of the substances this Company use require only basic personal protection, such as eye and hand protection and as necessary, a dust mask. No material should be used unless an assessment has been made and is available.

Operatives need formal instruction and if required, the safety data sheet which comes with every product. This spells out what is required for the safe handling and use is for the substances.

Supervisors should make themselves aware of the requirements, if in doubt, the safety Advisor will advise on requirements. An assessment has been issued to all contracts and this gives guide lines on requirements. A master file is held at Head Office, which is available to employees.

If a new product to the Company is going to be used, then the safety data sheet needs to be assessed first. You should obtain this and make it available to the Safety Advisor.

### Summary Coshh exposure matrix

<b>Worker's exposure matrix</b>	<b>Concrete</b>	<b>Cement</b>	<b>Diesel</b>	<b>Mould oils</b>	<b>Release agents</b>	<b>Curing agent</b>	<b>Hydraulic fluid</b>	<b>Mortar</b>	<b>Grout</b>	<b>Waterbar welding</b>	<b>Greases &amp; Oils</b>	<b>RIW (liquid bitumen)</b>	<b>Epoxy resins</b>	<b>Toners (hpto copiers etc)</b>	<b>Engineers spray paint</b>
Site Manager														✓	✓
Foreman	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
Carpenters	✓	✓		✓	✓	✓				✓			✓		✓
Carpentry Labourers	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓
Steelfixers	✓	✓		✓	✓	✓			✓				✓		
Concrete Labourers	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓
General Labourers	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓
Mechanical fitters			✓				✓				✓				
Engineers	✓					✓							✓		✓
Surveyor														✓	

- o The workers exposure matrix: This table indicates the likelihood of each trade having significant exposure to the types of standard materials used within the construction industry.
- o Individual *Coshh assessments* have been developed for each hazardous materials based upon the hazard data sheet available and the circumstances of use. (see separate sheets)
- o The list of materials above and the individuals indicated does not restrict the selection and use of additional materials nor the development of additional *Coshh assessments*.

The following is a guide to basis requirements:-

- |                       |   |
|-----------------------|---|
| Concrete Gang         | - Eye, ear, hand and feet protection.   |
| Repair Men            | - Eye, ear, hand and dust protection. If in a confined space and using mixed chemicals, respiratory equipment will be required. |
| Mould oils etc.       | - Hand and eye protection. Following trades may need protection from over application, use sparingly                            |
| Hand mechanical tools | - Eye, hand ear and dust protection.  |
| Waterproofing         | - Eye and hand protection. Respiratory protection will be required in confined or enclosed areas.                               |

These operations are an every day pattern of day to day works and can be easily monitored by field supervisors. Storeman shall keep an adequate supply of all necessary protective equipment.

### **General assessment of possible Health Hazards of Processes**

#### ⊙ **Substructure works**

- There may be health risks on sites where contaminated earth may exist. This is normally the concern of the main contractors and any problems unexpectedly encountered on site would be referred to them for their assessment and control.
- A check will be made, before work under our control is started, that a full investigation has been carried out on any site that may have been a dumping ground for waste materials or have been contaminated by industrial activity.
- Ground preparation for concrete Structures may include breaking into hardened old concrete with risk of dust exposure, including quartz dust, for example if part of a floor has been removed. If inhaled in excess quantities over a long period this may cause long term health hazard.

#### ⊙ **Controls**

- It is unlikely that the occupational exposure limit of:  
0.3mg/m<sup>3</sup> total inhalable dust (8 hour TWA)  
0.1mg/m<sup>3</sup> total respirable dust (10 mins TWA) for quartz or for dust generally.  
5mg/m<sup>3</sup> dust or respirable size (8 hour TWA)  
15mg/m<sup>3</sup> dust or respirable size (10 mins TWA)  
or  
10mg/m<sup>3</sup> total inhalable dust (8 hour TWA)  
30mg/m<sup>3</sup> total inhalable dust (10 mins TWA)
- Will be exceeded but suitable approved respirators will be needed for this work and every effort made to ensure they are worn.

⊙ **Mould preparation**

- Only soft woods are used in the construction of mould, and the cutting by hand would not give rise to sufficient dust to be a hazard. The occupational exposure standard for airborne softwood dust:-  
5mg/m<sup>3</sup> (8 hour TWA) (HSE GN EH 40)
- **Control** - Exposure during intermittent hands cutting in the open air is likely to be more than 1/10 of the overall exposure limit. The risk is therefore not sufficient.
- Dust exposure from machine cutting of softwoods is likely to be a much higher level.
- **Control** - Any extensive work, especially in a confined area, would require an integral exhaust system and filter, or at least the use of an approved dust respirator.
- Chemical release agents are used to achieve a clean release and a clean hard finish after the removal of formwork. These are brushed or sprayed onto the mould surface prior to casting. Different types of mould oils are used for different types of concrete. These may be solvent based and have the following risks in use:-
- **Eye contact** - may cause irritation and smarting and should be avoided.
- **Control** - Goggles or face masks suitable for use with chemicals should be used, especially when spraying.
- **Skin contact** - prolonged or repeated contact may cause de-fatting and drying of the skin and give rise to irritation and dermatitis.
- **Control** - Hand protection should be used. PVC/Synthetic rubber gloves are suitable.
- **Inhalation** - over exposure to mists and vapours may cause dizziness, irritation of the eyes, nose, respiratory tract and headaches. In extreme cases of exposure to excessive concentrations, loss of consciousness may result.
- **Control** - Respiratory protection is not normally required in conditions of good general ventilation, but in confined areas where high concentrations may be expected, approved respiratory protection should be provided and used. Monitoring of spraying conditions in a worst situation usage should be carried out to check exposures to the organic solvents used in different manufacturer's products.
- **Indigestion** - swallowing can cause nausea, irritation of mouth and digestive tract and abdominal pain. Aspiration into the lungs can cause intense local irritation of the lung tissue.

⊙ **Cement use & associated products - concrete**

- The vast majority of cement used is wet ready mixed and will present no inhalation risk as it comes ready mixed with additives etc. as required.
- **Control** - Precautions will need to be taken against skin burning, by the use of good quality, suitable clothing and hand protection well maintained.
- Some is mixed on site, and is done outdoors. The amount varies with each job, but is unlikely to take more than an hour a day. It is normally done outdoors or in good ventilation. Airborne cement dust is given off.

- Additives commonly used include:-
  - Epoxy Plus Concrete with the risk of contact with epoxy resin products which are irritant and the alkaline hardener which is corrosive.
  - Control - Barrier creams and protective clothing in good clean conditions are necessary.
  
- Natural aggregates which may contain respirable dusts including quartz.
- Control - Dust masks to BS2091 Type B or equivalent should be used in enclosed areas where airborne dust is concentrated..
  
- Coated road material - there are risks from burns from hot materials, chemical burns from contact with coal derived oils, warts from prolonged contact with coal-tar or coal derived oils, and fumes from hot coated material, especially in confined spaces.
- Control - Protective clothing should be worn on hands, arms, legs and feet. Skin contact should be avoided. Hands and exposed skin should be washed before eating or smoking. Fumes should be avoided and suitable respiratory protection worn.
  
- The main hazards from cement are:-
  - Contact with wet cement mixes can cause skin diseases such as:-
  - Irritant contact dermatitis because of the wetness, alkalinity and abrasiveness.
  - Allergic contact dermatitis because of individual sensitivity to chromium compounds which may occur in cement.
  - Cement burn, a form of skin ulceration which may result from contact with freshly mixed concrete's.
  
- The main controls are:-
  - Avoid direct skin contact with wet cement, including sitting or kneeling on wet material to prevent contact through contaminated clothing.
  - Use suitable respiratory protection to prevent inhalation of cement dust.
  - Protect eyes from cement dust.
  
- **Concrete repair & grouting etc.**
  - A number of proprietary compounds are used for this work. The majority is ready to use and manufacturer's guidance should be followed. The main risks are from exposure to epoxy resin compounds, hardeners and solvents.
  - Control - In most cases the small quantities involved, or the well ventilated areas prevent risk of exposure to levels of solvents, dust or fumes above occupational exposure limits.
  - In more commonly used materials are:-
    - i) Conbextra Epoxy Resin Free-Flow Grout - This is pre mixed in the container, ready to use to avoid skin and eye contact.
    - ii) Adogrout - a possible irritant.
    - iii) Adocure - a possible irritant.
    - iv) Adopak - treat as cement.
    - v) Plascure - a possible irritant.
    - vi) Plasealer - a possible irritant.
    - vii) Split System C-mix - a mixture of polyester resins, fillers and catalysts with no danger unless the cartridge is damaged.

⊙ **Plant & equipment – Servicing:**

- Petrol driven engines and generators. The exhaust fumes contain mainly carbon monoxide and carbon dioxide. Care needs to be taken to prevent exposure to the exhaust fumes.
- Carbon Monoxide has an Occupational Exposure Standard of:-  
50 ppm in air (8 hour TWA)  
100 ppm in air (10 min RWA)
- Carbon Dioxide has an Occupational Exposure Standard of:-  
5000 ppm in air (8 hour TWA)  
15000 ppm in air (10 min TWA)  
(HES GN EH 40)
- The risk can be controlled by ensuring the standard for carbon Monoxide is not exceeded. In the open air this means a person should not stand directly over the exhaust fumes.
- In enclosed spaces the risk is much higher and should be monitored using a chemical indicator tube, if there is any doubt. An adequate supply of fresh air is essential in any situation where exhaust fumes may accumulate.
- Propane gas heaters have in the past been used for heating sheds and offices on building sites, and deaths have resulted from the build-up of carbon monoxide, a product of combustion, and inadequate oxygen supply.
- Controls - It is essential that there is an adequate supply of fresh air wherever such heaters are used, and the products of combustion are vented to the open air.
- Diesel and Gas Oil are used to drive plant, and causes the same exhaust risks as petrol. In addition, they contain polycyclic aromatic hydrocarbons and under conditions of poor personal hygiene and prolonged repeated exposure they have been suspected of causing skin cancer, as well as skin irritation and dermatitis.
- Controls - Impervious gloves should be worn if continued and repeated contact is expected.

# Mann Construction Ltd C.O.S.H.H. Assessment

**Material :** CEMENT

**Hazard data sheet :** Maintained in office

**Date :** January 2006

**Signed :** ANTONY DAY

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## Hazards

<b>Inhalation</b>	YES	<b>Skin contact</b>	YES	<b>Ingestion</b>	YES
<b>Toxic</b>	NO	<b>Irritant</b>	YES	<b>Corrosive</b>	YES
<b>Harmful</b>	NO	<b>Other</b>			



## Protective clothing

**Gloves** YES - waterproof (to BS EN374 -3)      **Mask / Respirator** YES - FFP2 (to BS EN149)      **Wellingtons**

**Goggles** NO (to BS EN166)      **Other :**

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## Application, Use & Duration of Exposure.

Inhalation problem only when dry.

Always wear P.P.E. provided, long term exposure may cause burns or may sensitize when wet.

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## Precautions

<b>First Aid:</b>	wash off with soap and water	<b>Fire:</b>	n/a
<b>Storage:</b>	n/a	<b>Spillage:</b>	n/a
<b>Waste:</b>	n/a	<b>Other:</b>	

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## Comments

# Mann Construction Ltd

## C.O.S.H.H. Assessment

**Material :** NATURAL AGGREGATES

**Hazard data sheet :** Maintained in office

**Date :** January 2006

**Signed :** ANTONY DAY

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### Hazards

<b>Inhalation</b>	YES	<b>Skin contact</b>	NO	<b>Ingestion</b>	YES
<b>Toxic</b>	NO	<b>Irritant</b>	YES	<b>Corrosive</b>	NO
<b>Harmful</b>	NO	<b>Other</b>			



### Protective clothing

<b>Gloves</b> (to BS EN374 -3)	NO	<b>Mask / Respirator</b> (to BS EN149)	YES - FFP2	<b>Wellingtons</b>
<b>Goggles</b> (to BS EN166)	NO	<b>Other :</b>		

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### Application, Use & Duration of Exposure.

Inhalation problem only when dry.

Respirator only required when concentration of air bourne dust is high

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### Precautions

<b>First Aid:</b>	See below	<b>Fire:</b>	n/a
<b>Storage:</b>	n/a	<b>Spillage:</b>	n/a
<b>Waste:</b>	n/a	<b>Other:</b>	

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### Comments

EYES - Wash out with water immediately

SKIN - Wash off with water immediately

**Mann Construction Ltd**  
**C.O.S.H.H. Assessment**

**Material :** CONCRETE

**Hazard data sheet :** Maintained in office

**Date :** January 2006

**Signed :** ANTONY DAY

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**Hazards**

**Inhalation** YES                      **Skin contact** YES                      **Ingestion** YES

**Toxic** NO                              **Irritant** YES                      **Corrosive** YES

**Harmful** NO                      **Other**



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**Protective clothing**

**Gloves** YES - waterproof (to BS EN374 -3)      **Mask / Respirator** YES - FFP2 (to BS EN149)      **Wellingtons**

**Goggles** NO (to BS EN166)      **Other :**

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**Application, Use & Duration of Exposure.**

Always wear P.P.E. provided, long term exposure may cause burns or may sensitize when wet.

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**Precautions**

**First Aid:** See below                      **Fire:** n/a

**Storage:** n/a                              **Spillage:** n/a

**Waste:** n/a                              **Other:**

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**Comments**

EYES - Wash out with water immediately  
SKIN - Wash off with water immediately

# Mann Construction Ltd

## C.O.S.H.H. Assessment

**Material :** DIESEL / GAS OIL

**Hazard data sheet :** Maintained in office

**Date :** January 2006

**Signed :** ANTONY DAY

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### Hazards

Inhalation YES      Skin contact YES      Ingestion YES

Toxic NO      Irritant YES      Corrosive NO

Harmful YES      Other



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### Protective clothing

Gloves YES - waterproof (to BS EN374 -3)      Mask / Respirator No (to BS EN149)      Wellingtons

Goggles NO (to BS EN166)      Other :

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### Application, Use & Duration of Exposure.

Avoid all eye and skin contact

Always wear P.P.E. provided

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### Precautions

**First Aid:** See below      **Fire:** Dry powder or Foam Extinguisher

**Storage:** No Smoking      **Spillage:** Absorb with inert material

**Waste:** Hazardous      **Other:**

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### Comments

EYES - Wash out with water immediately

SKIN - Wash off with water immediately

# Mann Construction Ltd C.O.S.H.H. Assessment

**Material :** RELEASE AGENT

**Hazard data sheet :** Maintained in office

**Date :** January 2006

**Signed :** ANTONY DAY

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## Hazards

<b>Inhalation</b>	YES	<b>Skin contact</b>	YES	<b>Ingestion</b>	YES
<b>Toxic</b>	NO	<b>Irritant</b>	YES	<b>Corrosive</b>	NO
<b>Harmful</b>	NO	<b>Other</b>			



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## Protective clothing

<b>Gloves</b> (to BS EN374 -3)	YES - waterproof	<b>Mask / Respirator</b> (to BS EN149)	No	<b>Wellingtons</b>
<b>Goggles</b> (to BS EN166)	NO	<b>Other :</b>		

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## Application, Use & Duration of Exposure.

Avoid all eye and skin contact  
Wash hands before eating or smoking

Inhalation only a concern in confined space

Wherever possible controlled application is required  
Always wear P.P.E. provided

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## Precautions

<b>First Aid:</b>	See below	<b>Fire:</b>	n/a
<b>Storage:</b>	Well ventilated	<b>Spillage:</b>	Absorb with inert material
<b>Waste:</b>	Hazardous	<b>Other:</b>	

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## Comments

EYES - Wash out with water immediately  
SKIN - Wash off with water immediately  
INGESTION - Take to hospital immediately

# Mann Construction Ltd

## C.O.S.H.H. Assessment

**Material :** CURING AGENT

**Hazard data sheet :** Maintained in office

**Date :** January 2006

**Signed :** ANTONY DAY

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### Hazards

<b>Inhalation</b>	NO	<b>Skin contact</b>	YES	<b>Ingestion</b>	YES
<b>Toxic</b>	NO	<b>Irritant</b>	YES	<b>Corrosive</b>	NO
<b>Harmful</b>	NO	<b>Other</b>			



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### Protective clothing

<b>Gloves</b> (to BS EN374 -3)	YES - waterproof	<b>Mask / Respirator</b> (to BS EN149)	No	<b>Wellingtons</b>
<b>Goggles</b> (to BS EN166)	NO	<b>Other :</b>		

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### Application, Use & Duration of Exposure.

Avoid all eye and skin contact  
Wash hands before eating or smoking  
Wherever possible controlled application is required  
Always wear P.P.E. provided  
Use only in well ventilated areas

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### Precautions

<b>First Aid:</b>	See below	<b>Fire:</b>	Dry powder or Foam Extinguisher
<b>Storage:</b>	Well ventilated	<b>Spillage:</b>	Absorb with inert material
<b>Waste:</b>		<b>Other:</b>	

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### Comments

EYES - Wash out with water immediately  
SKIN - Wash off with water immediately  
INGESTION - Take to hospital immediately

# Mann Construction Ltd

## C.O.S.H.H. Assessment

**Material :** SHUTTER FILLER

**Hazard data sheet :** Maintained in office

**Date :** January 2006

**Signed :** ANTONY DAY

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### Hazards

<b>Inhalation</b>	YES	<b>Skin contact</b>	YES	<b>Ingestion</b>	YES
<b>Toxic</b>	NO	<b>Irritant</b>	YES	<b>Corrosive</b>	NO
<b>Harmful</b>	NO	<b>Other</b>			



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### Protective clothing

<b>Gloves</b> (to BS EN374 -3)	YES - waterproof	<b>Mask / Respirator</b> (to BS EN149)	No	<b>Wellingtons</b>
<b>Goggles</b> (to BS EN166)	NO	<b>Other :</b>		

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### Application, Use & Duration of Exposure.

Avoid all eye and skin contact  
Wash hands before eating or smoking  
  
Always wear P.P.E. provided

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### Precautions

<b>First Aid:</b>	See below	<b>Fire:</b>	Dry powder or Foam Extinguisher
<b>Storage:</b>	Cool & dry	<b>Spillage:</b>	Absorb with inert material
<b>Waste:</b>	n/a	<b>Other:</b>	

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### Comments

EYES - Wash out with water immediately  
SKIN - Wash off with water immediately  
INGESTION - Take to hospital immediately

**Mann Construction Ltd**  
**C.O.S.H.H. Assessment**

**Material :** GROUT

**Hazard data sheet :** Maintained in office

**Date :** January 2006

**Signed :** ANTONY DAY

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**Hazards**

<b>Inhalation</b>	YES	<b>Skin contact</b>	YES	<b>Ingestion</b>	YES
<b>Toxic</b>	NO	<b>Irritant</b>	YES	<b>Corrosive</b>	NO
<b>Harmful</b>	NO	<b>Other</b>			



**Protective clothing**

<b>Gloves</b> (to BS EN374 -3)	YES - waterproof	<b>Mask / Respirator</b> (to BS EN149)	No	<b>Wellingtons</b>
<b>Goggles</b> (to BS EN166)	NO	<b>Other :</b>		

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**Application, Use & Duration of Exposure.**

Avoid all eye and skin contact  
Wash hands before eating or smoking  
Always wear P.P.E. provided  
Inhalation only a concern in confined space

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**Precautions**

<b>First Aid:</b>	See below	<b>Fire:</b>	n/a
<b>Storage:</b>	n/a	<b>Spillage:</b>	n/a
<b>Waste:</b>	n/a	<b>Other:</b>	

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**Comments**

EYES - Wash out with water immediately  
SKIN - Wash off with water immediately  
INGESTION - Take to hospital immediately

# Mann Construction Ltd C.O.S.H.H. Assessment

**Material :** MORTAR

**Hazard data sheet :** Maintained in office

**Date :** January 2006

**Signed :** ANTONY DAY

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## Hazards

<b>Inhalation</b>	YES	<b>Skin contact</b>	YES	<b>Ingestion</b>	YES
<b>Toxic</b>	NO	<b>Irritant</b>	YES	<b>Corrosive</b>	NO
<b>Harmful</b>	NO	<b>Other</b>			



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## Protective clothing

<b>Gloves</b> (to BS EN374 -3)	YES - waterproof	<b>Mask / Respirator</b> (to BS EN149)	No	<b>Wellingtons</b>
<b>Goggles</b> (to BS EN166)	NO	<b>Other :</b>		

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## Application, Use & Duration of Exposure.

Avoid all eye and skin contact

Always wear P.P.E. provided

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## Precautions

<b>First Aid:</b>	See below	<b>Fire:</b>	n/a
<b>Storage:</b>	n/a	<b>Spillage:</b>	n/a
<b>Waste:</b>	n/a	<b>Other:</b>	

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## Comments

EYES - Wash out with water immediately  
SKIN - Wash off with water immediately  
INGESTION - Take to hospital immediately

# Mann Construction Ltd C.O.S.H.H. Assessment

**Material :** HYDRAULIC FLUID

**Hazard data sheet :** Maintained in office

**Date :** January 2006

**Signed :** ANTONY DAY

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## Hazards

<b>Inhalation</b>	YES	<b>Skin contact</b>	YES	<b>Ingestion</b>	YES
<b>Toxic</b>	NO	<b>Irritant</b>	YES	<b>Corrosive</b>	NO
<b>Harmful</b>	YES	<b>Other</b>			



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## Protective clothing

<b>Gloves</b> (to BS EN374 -3)	YES - waterproof	<b>Mask / Respirator</b> (to BS EN149)	No	<b>Wellingtons</b>
<b>Goggles</b> (to BS EN166)	NO	<b>Other :</b>		

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## Application, Use & Duration of Exposure.

Avoid all eye and skin contact  
Wash hands before eating or smoking  
Always wear P.P.E. provided  
Inhalation only a concern in confined space

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## Precautions

<b>First Aid:</b>	See below	<b>Fire:</b>	Dry powder or Foam Extinguisher
<b>Storage:</b>	Well ventilated	<b>Spillage:</b>	Absorb with inert material
<b>Waste:</b>	Hazardous	<b>Other:</b>	

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## Comments

EYES - Wash out with water immediately  
SKIN - Wash off with water immediately  
INGESTION - Take to hospital immediately  
INHALATION - Remove into fresh air

**Mann Construction Ltd**  
**C.O.S.H.H. Assessment**

**Material :** PVC - WATERBAR

**Hazard data sheet :** Maintained in office

**Date :** January 2006

**Signed :** ANTONY DAY

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**Hazards**

<b>Inhalation</b>	YES	<b>Skin contact</b>	YES	<b>Ingestion</b>	NO
<b>Toxic</b>	NO	<b>Irritant</b>	YES	<b>Corrosive</b>	NO
<b>Harmful</b>	YES	<b>Other</b>			



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**Protective clothing**

<b>Gloves</b> (to BS EN374 -3)	NO	<b>Mask / Respirator</b> (to BS EN149)	No	<b>Wellingtons</b>
<b>Goggles</b> (to BS EN166)	NO	<b>Other :</b>		

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**Application, Use & Duration of Exposure.**

welded together using hot knife, Keep knife clean at all times  
Inhalation only a concern in confined spaces, Forced air ventilation may be required, Generally no problem in open air  
Avoid all eye and skin contact  
Wash hands before eating or smoking  
Always wear P.P.E. provided

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**Precautions**

<b>First Aid:</b>	See below	<b>Fire:</b>	n/a
<b>Storage:</b>	n/a	<b>Spillage:</b>	n/a
<b>Waste:</b>	n/a	<b>Other:</b>	

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**Comments**

EYES - (FUMES) Wash out with water immediately  
INHALATION - Remove into fresh air, seek medical advice

**Note** - Training by supplier should be obtained for jointing etc.

**Mann Construction Ltd**  
**C.O.S.H.H. Assessment**

**Material :** AEROSOL MARKING PAINT

**Hazard data sheet :** Maintained in office

**Date :** January 2006

**Signed :** ANTONY DAY

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**Hazards**

**Inhalation** YES                      **Skin contact** NO                      **Ingestion** YES

**Toxic** NO                              **Irritant** YES                      **Corrosive** NO

**Harmful** YES                      **Other**



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**Protective clothing**

**Gloves** NO                      **Mask / Respirator** No                      **Wellingtons**  
(to BS EN374 -3)                      (to BS EN149)

**Goggles** NO                      **Other :**  
(to BS EN166)

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**Application, Use & Duration of Exposure.**

Inhalation only a concern in confined spaces  
Generally no problem in open air

Avoid all eye and skin contact

Always wear P.P.E. provided

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**Precautions**

**First Aid:** See below                      **Fire:** Dry powder or Foam Extinguisher

**Storage:** No Smoking                      **Spillage:** Absorb with inert material

**Waste:** Hazardous                      **Other:**

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**Comments**

EYES - Wash out with water immediately  
SKIN - Wash off with water immediately  
INGESTION - Take to hospital immediately  
INHALATION - Remove into fresh air, seek medical advice  
Start artificial respiration if unconscious

**Mann Construction Ltd**  
**C.O.S.H.H. Assessment**

**Material :** MASTIC

**Hazard data sheet :** Maintained in office

**Date :** January 2006

**Signed :** ANTONY DAY

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**Hazards**

<b>Inhalation</b>	YES	<b>Skin contact</b>	YES	<b>Ingestion</b>	YES
<b>Toxic</b>	NO	<b>Irritant</b>	NO	<b>Corrosive</b>	NO
<b>Harmful</b>	YES	<b>Other</b>			



**Protective clothing**

<b>Gloves</b> (to BS EN374 -3)	NO	<b>Mask / Respirator</b> (to BS EN149)	No	<b>Wellingtons</b>
<b>Goggles</b> (to BS EN166)	NO	<b>Other :</b>		

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**Application, Use & Duration of Exposure.**

Avoid all eye and skin contact  
Use only in well ventilated areas  
Always wear P.P.E. provided

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**Precautions**

<b>First Aid:</b>	See below	<b>Fire:</b>	n/a
<b>Storage:</b>	Cool & dry	<b>Spillage:</b>	n/a
<b>Waste:</b>	n/a	<b>Other:</b>	

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**Comments**

EYES - Wash out with water immediately  
SKIN - Wash off with water immediately  
INGESTION - Take to hospital immediately

# Mann Construction Ltd C.O.S.H.H. Assessment

**Material :** EPOXY RESINS

**Hazard data sheet :** Maintained in office

**Date :** January 2006

**Signed :** ANTONY DAY

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## Hazards

<b>Inhalation</b>	YES	<b>Skin contact</b>	YES	<b>Ingestion</b>	YES
<b>Toxic</b>	NO	<b>Irritant</b>	YES	<b>Corrosive</b>	NO

**Harmful** YES **Other**



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## Protective clothing

<b>Gloves</b> (to BS EN374 -3)	YES - waterproof	<b>Mask / Respirator</b> (to BS EN149)	No	<b>Wellingtons</b>
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<b>Goggles</b> (to BS EN166)	NO	<b>Other :</b>
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## Application, Use & Duration of Exposure.

Avoid all eye and skin contact do not inhale mist or fume  
Wash hands before eating or smoking  
Always wear P.P.E. provided  
Inhalation only a concern in confined space  
Keep away from sources of ignition

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## Precautions

<b>First Aid:</b>	See below	<b>Fire:</b>	Dry powder or Foam Extinguisher
<b>Storage:</b>	Well ventilated No smoking	<b>Spillage:</b>	Absorb with inert material
<b>Waste:</b>	Hazardous	<b>Other:</b>	

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## Comments

EYES - Wash out with water immediately, for atleast 15min then hospital  
SKIN - Wash off with water immediately  
INGESTION - Take to hospital immediately  
INHALATION - Remove into fresh air