

# Health & Safety Documentation

## COSHH Assessment Sheet(s)














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|                    |                                      |
|--------------------|--------------------------------------|
| <b>Client</b>      | <i>Gary Fletcher (Surfacing) Ltd</i> |
| <b>Address</b>     | <i>Generic Documentation</i>         |
| <b>Date</b>        | <i>10/11/2017</i>                    |
| <b>Prepared By</b> | <i>J Sanders</i>                     |
| <b>Designation</b> | <i>Safety Advisor</i>                |

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## Policy Review Record For COSHH Assessment Sheets

The Company Policy for Health and Safety Including for COSHH Assessments were first issued in this format:

| REVISION NUMBER | DATE       | DETAILS     | APPROVED BY   | TITLE             | SIGNATURE   |
|-----------------|------------|-------------|---------------|-------------------|---|
| 00              | 27-03-2006 | Revision 0  | Gary Fletcher | Managing Director |    |
| 01              | 17-10-2007 | Revision 1  | Gary Fletcher | Managing Director |    |
| 02              | 23-09-2009 | Revision 2  | Gary Fletcher | Managing Director |    |
| 03              | 31-10-2010 | Revision 3  | Gary Fletcher | Managing Director |    |
| 04              | 17-11-2011 | Revision 4  | Gary Fletcher | Managing Director |    |
| 05              | 20-05-2012 | Revision 5  | Gary Fletcher | Managing Director |    |
| 06              | 20-11-2012 | Revision 6  | Gary Fletcher | Managing Director |    |
| 07              | 19/11/2013 | Revision 7  | Gary Fletcher | Managing Director |   |
| 08              | 25/11/2014 | Revision 8  | Gary Fletcher | Managing Director |  |
| 09              | 10/11/2015 | Revision 9  | Gary Fletcher | Managing Director |  |
| 10              | 26/01/2016 | Revision 10 | Gary Fletcher | Managing Director |  |
| 11              | 10/11/2016 | Revision 11 | Gary Fletcher | Managing Director |  |
| 12              | 10/11/2017 | Revision 12 | Gary Fletcher | Managing Director |  |

|                      |
|----------------------|
| <b>Contents Page</b> |
|----------------------|

| COSHH No. | COSHH Assessment Description   | Page No. |
|-----------|--------------------------------|----------|
| CRM1      | Coated Road Materials          | 4        |
| BE1       | K140 Bitumen Emulsion          | 5        |
| AS1       | Asphalt                        | 6        |
| RMC1      | Ready Mixed Concrete           | 7        |
| CBB1      | Cutting Brick & Blocks         | 8        |
| WS1       | Washed Sand                    | 9        |
| PC1       | Portland Cement                | 10       |
| MGPL1     | Motor Gasoline – Petrol Leaded | 11       |
| TWO1      | Two-Stroke Oil                 | 12       |
| M1        | Mortar                         | 13       |
| DO1       | Diesel Oil                     | 14       |
| MS1       | Marker Spray                   | 15       |
| PCC1      | Pre-Cast Concrete              | 16       |

**Client:-**

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**Site Address:-**

Generic Documentation

**SUBSTANCE TRADE NAME:** COATED ROAD MATERIALS  
**SUPPLIER:**

| <b>TOXIC INGREDIENTS</b>  | <b>*LTEL</b> | <b>*STEL</b> | <b>** COMMENTS</b> |
|---|--------------|--------------|--------------------|
| May contain (see suppliers spec.)<br>coal-tar derived fluxing oil.<br>Coal tar binder under<br>Coal tar pitch volatiles | 0.14 mg/m3   |              | review OES         |

**DESCRIPTION OF SUBSTANCE:**

A mixture of aggregates and a binder which is usually bitumen derived from crude oil. Occasionally for special applications the binder may be Coal-tar. The binder may be modified by a fluxing oil which may be petroleum or coal-tar based.

**HAZARDS:**

Prolonged skin contact with all products may result in dermatitis. Prolonged contact with coal tar products and poor hygiene may result in skin warts or cancer. Fumes from coated materials while hot may be a risk to health in a confined space. Hot materials may cause burns.

**FIRST AID:**

Inhalation: Remove person to fresh air.  
Eyes: Wash with clean running water or sterile solution for at least 10 minutes. Any contact lenses must be removed. Seek medical help.  
Burns: Hold affected part under cold water until cooled. Do not try to remove solidified material from skin. Seek medical help.  
Skin: Wash thoroughly with soap and water or a proprietary skin cleanser.  
Swallowing: Give drinks of water, milk. Do not induce vomiting - seek medical help.

**STORAGE CONDITIONS:**

Hot materials not stored on site.

**ACTIVITY / CONDITIONS OF USE:**

Delivered hot to site in bulk and tipped into mechanical pavers for road surfacing or distributed by barrow and spread using shovels and rakes for patching, surfacing footpaths, drives etc. All work takes place in open air.

**QUANTITIES USED:**

Varies.

**ASSESSMENT OF RISK:**

No significant risk to health as use of material takes place in open air and materials are petroleum based. All personnel wear protective gloves and contact with material is avoided by use of hand tools.

**RECOMMENDED CONTROL MEASURES:**

Continue existing controls. Provide high standard of hygiene facilities - skin cleanser, washing facilities. Instruct personnel of hazards & precautions. Review assessment if use of coal-tar products becomes necessary.

**SPILLAGE MANAGEMENT:**

Solid materials may be disposed of as normal waste.

|  |                                |  |
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| <b>SIGNED BY ASSESSOR:</b><br><br><i>J Sanders</i> | <b>DATE:</b><br><br>10/11/2017 | <b>REVIEW DATE:</b><br><br>November 2018 |
|--|--------------------------------|--|

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**Site Address:-**

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**SUBSTANCE / TRADE NAME:**  
**SUPPLIER:**

K1-40 BITUMEN EMULSION

**TOXIC INGREDIENTS**

\* LTEL

\* STEL

\*\* COMMENTS

None known.

**DESCRIPTION OF SUBSTANCE:**

A brown/black liquid - water based cationic bitumen emulsion with a characteristic odour.

**HAZARDS:**

May cause irritation to skin and eyes, hot emulsion may cause burns.

**FIRST AID:**

Eyes: May irritate eyes. If emulsion enters eyes Irrigate thoroughly with water, seek medical advice.

Skin: Hot emulsion may cause burns.  
HOT EMULSION: Flush affected area immediately with cold water, DO NOT REMOVE BITUMEN, seek medical advice.  
COLD EMULSION: flush affected area with cold water, wash with suitable proprietary skin cleanser and water. Do not use solvents.

Ingestion: If swallowed do not induce vomiting, give water to drink, seek medical advice.

Inhalation: No known hazard.

**STORAGE CONDITIONS:**

Storage of bitumen emulsion should be in accordance with oil storage regulations: 200 litre drum in drip tray with a capacity of 25% of the drum. Storage tank: within impermeable bund with a capacity of not less than 110% of the volume of the storage tank. Protect from freezing conditions. Roll/invert containers before use and at regular intervals to prevent settlement. Bulk stores should be circulated/agitated before use. Hot emulsion must not be heated above 90 degree centigrade (boiling/frothing hazard). Do not store below 2 degrees centigrade.

**ACTIVITY / CONDITIONS OF USE:**

Spray applied bondcoat / tackcoat binder for asphalt surfacing.

**QUANTITIES USED:**

Various.

**ASSESSMENT OF RISK:**

Due to small quantities of emulsifying agents, frequent or prolonged skin contact may cause skin sensitization. Hot emulsion can cause scalding. Wear rubber/PVC gloves, eye protection and protective clothing, use barrier cream on hands.

**SPILLAGE MANAGEMENT:**

Contain or absorb spillage with absorbent material, sand or earth. Transfer to waste disposal site in sealed containers. Prevent entry into water courses or drains. Bitumen emulsion is not classified as hazardous for transport.

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**SUBSTANCE / TRADE NAME:** ASPHALT  
**SUPPLIER:**

| <b>TOXIC INGREDIENTS</b> | <b>* LTEL</b> | <b>* STEL</b> | <b>** COMMENTS</b> |
|--------------------------|---------------|---------------|--------------------|
| Asphalt Fumes OES        | 5mg/m3        |               | 8 hours TWA        |
|                          | 10mg/m3       |               | 15 mins TWA        |
| Total Dust OES           | 10mg/m3       |               | 8 hours TWA        |
| Respirable Dust OES      | 4 mg/m3       | 8 hours TWA   |                    |
| Respirable Quartz – MEL  | 0.3mg/m3      |               | 8 hours TWA        |
| Crystalline Silica SiO2  |               |               |                    |

**DESCRIPTION OF SUBSTANCE:**

A black granular solid substance with a strong odour and a neutral ph.

**HAZARDS:**

Fumes inhaled over a prolonged period could constitute a health hazard. Prolonged skin contact may cause dermatitis and malignant warts. Inhalation of excessive amounts of dust during cutting or surface treatment of hardened asphalt. Hot materials may burn skin.

**FIRST AID:**

Inhalation: Immediately remove to fresh air. If breathing has stopped or irregular, apply artificial respiration and seek medical attention.  
 Skin: Burns caused by contact with hot material should be cooled by immediately drenching with cold water, seek medical attention.  
 Eyes: Irrigate with water for at least ten minutes. If pain persists seek medical attention.  
 Ingestion: Remove to fresh air and give water to drink, seek medical advice.

**STORAGE CONDITIONS:**

Avoid strong oxidizing agents, e.g. chlorates which may be used in agriculture and sources of ignition and temperatures above 200 degrees centigrade.

**ACTIVITY / CONDITIONS OF USE:**

Roads and footpaths.

**QUANTITIES USED:**

Continual.

**ASSESSMENT OF RISK:**

The risk to health should be low provided that the operatives wear the respective PPE and clothing.

**RECOMMENDED CONTROL MEASURES:**

Wear suitable mask if dust/fume is present in significant quantities. Wear suitable PPE to protect eyes, skin and eyes, i.e. overalls, goggles and gloves.

**SPILLAGE MANAGEMENT:**

No special requirements, although entry into water courses should be avoided.

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|--|--------------------------------|--|
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|--|--------------------------------|--|

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**Site Address:-**

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**SUBSTANCE / TRADE NAME:** READY MIXED CONCRETE  
**SUPPLIER:**

| <b>TOXIC INGREDIENTS</b>      |           | <b>** COMMENTS</b> |
|-------------------------------|-----------|--------------------|
| Calcium Silicate (total dust) | 10mg m-3  | OES (8 hours TWA)  |
| Respirable Dust               | 4mg m-3   | OES (8 hours TWA)  |
| Respirable Quartz             | 0.3mg m-3 | MEL (8 hours TWA)  |

**DESCRIPTION OF SUBSTANCE:**

Wet, viscous mixture of Portland cement, aggregate, sand and water

**HAZARDS:**

The mixture is strongly alkaline and contact with the skin or eyes can cause severe burns/ulceration. Repeated prolonged contact can cause irritation, contact dermatitis. Some individuals may develop allergic contact dermatitis through their sensitivity to traces of chromium compounds in cement.

**FIRST AID:**

Eyes: Wash thoroughly with water for at least 10 minutes.  
 Skin: Wash thoroughly with soap and water. In all cases seek medical advice.

**STORAGE CONDITIONS:**

The hardening process of ready mixed concrete can be delayed by the addition of additives and/or admixtures, extending the period during which the precautions given in this data sheet should continue to be taken.

**ACTIVITY / CONDITIONS OF USE:**

Concrete is brought to site by lorry and discharged directly into foundation trenches etc or into dumper trucks. The poured mix is settled with a vibrator or tamper. The operative wears rubber boots and gloves.

**QUANTITIES USED:**

Variable.

**ASSESSMENT OF RISK:**

The risk to health should be low provided that the operatives wear the respective PPE and clothing.

**RECOMMENDED CONTROL MEASURES:**

The operatives should be informed of the health risks from working with ready mixed concrete prior to commencing work. Employees must be issued with the appropriate PPE. Eye protection will be necessary where the risk of splashing is obvious.

**SPILLAGE MANAGEMENT:**

Shovel up and dispose of in line with the environmental protection act of 1990, duty of care.

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**REVIEW DATE:**

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**SUBSTANCE / TRADE NAME:**  
**SUPPLIER:**

CUTTING BRICKS/BLOCKS

| <b>TOXIC INGREDIENTS</b> | <b>* LTEL</b> | <b>*STEL</b> | <b>** COMMENTS</b> |
|--------------------------|---------------|--------------|--------------------|
| Quartz Silica            | 0.3mg m-3     |              | OES TID            |
| " "                      | 0.1mg m-3     |              | OES RD             |
| (Abrasive disks)         |               |              | MEL prop           |
| Silicon Carbide          | 10mg m-3      |              | OES TID            |
| " "                      | 5mg m-3       | OES RD       |                    |

**DESCRIPTION OF SUBSTANCE:**

Fired clay or concrete bricks or blocks, which may contain varying quantities of silica, used for the construction of buildings and walls.

**HAZARDS:**

Prolonged exposure to silica at concentrations in excess of the OES may, over several years result in the development of silicosis.

**FIRST AID:**

Eyes: Wash thoroughly with water for at least 15 minutes; seek medical advice if irritation persists.

**STORAGE CONDITIONS:**

No special storage requirements.

**ACTIVITY / CONDITIONS OF USE:**

Bricks or blocks may be cut by hand using hammer and bolster, brick hammer etc or by machine, e.g. abrasive wheels, diamond or tungsten tipped. Fixed or portable type.

**QUANTITIES USED:**

Various.

**ASSESSMENT OF RISK:**

Risk is minimal for hand cutting methods, however, cutting by abrasive wheel methods gives rise to exposure due silica being released in airborne particles.  
Persons involved on disk cutting methods on regular basis of up to 30 minutes should be individually risk assessed.

**RECOMMENDED CONTROL MEASURES:**

Dust extraction measures are preferable or water spraying methods. The appropriate eye protection and dust masks must be worn, a noise assessment may also be required.

**SPILLAGE MANAGEMENT:**

Not Applicable.

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**REVIEW DATE:**

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**SUBSTANCE / TRADE NAME:** WASHED SAND  
**SUPPLIER:**

| <b>TOXIC INGREDIENTS</b> | <b>* LTEL</b> | <b>*STEL</b> | <b>** COMMENTS</b> |
|--------------------------|---------------|--------------|--------------------|
| Quartz Silica            | 0.3mg m-3     |              | OES TID            |
| " "                      | 0.1mg m-3     |              | OES RD (MEL Prop)  |

**DESCRIPTION OF SUBSTANCE:**

Sand used for mixing with cement and water to produce mortar or concrete.

**HAZARDS:**

Prolonged exposure to silica at concentrations over the OES levels over several years may result in the development of silicosis. Wind blown sand particles may result in eye irritation.

**FIRST AID:**

Eyes: Wash thoroughly with water/eyewash for at least 10 minutes.

**STORAGE CONDITIONS:**

Store in dry conditions, away from windy conditions.

**ACTIVITY / CONDITIONS OF USE:**

Sand is mixed with cement to make mortar or cement and aggregate to make concrete, exposure to sand is for approximately 15 minutes each occasion the mixer is used. Once the water is added to the cement mixer no dust becomes airborne.

**QUANTITIES USED:**

Up to one tonne per day.

**ASSESSMENT OF RISK:**

The risk to health is not significant due to particle sizes and times; exposure to silica is well below the levels which would lead to the development of silicosis.

**RECOMMENDED CONTROL MEASURES:**

Eye protection is advised if works are during windy conditions.

**SPILLAGE MANAGEMENT:**

No special precautions required.

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10/11/2017

**REVIEW DATE:**

November 2018

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**SUBSTANCE / TRADE NAME:** PORTLAND CEMENT  
**SUPPLIER:**

| <b>TOXIC INGREDIENTS</b> | <b>* LTEL</b> | <b>* STEL</b> | <b>** COMMENTS</b> |
|--------------------------|---------------|---------------|--------------------|
| Total Dust               |               |               |                    |
| Calcium Silicate         | 10 mg/m/3     |               | OES, TID           |
| "                        | 5 mg/m/3      |               | OES, RP            |
| Calcium Aluminate        |               |               |                    |

**DESCRIPTION OF SUBSTANCE:**

Dry powder delivered in 55 kg. paper sacks, used to make mortar and concrete.

**HAZARDS:**

Wet mortar releases strong alkalis, which can cause severe skin burns and damage to the eyes. Prolonged contact with skin can cause dermatitis.

**FIRST AID:**

Skin: Wash off any splashes on the skin immediately and apply a moisturising cream.

Eyes: Splashes in eyes should be treated with copious amounts of water, irrigate for at least 10 minutes. Seek medical advice if condition persists.

**STORAGE CONDITIONS:**

Store in dry conditions

**ACTIVITY / CONDITIONS OF USE:**

Cement is mixed dry with sand to make mortar or with sand and aggregate for concrete. Dry cement is shoveled into a cement mixer four or five times per day. The exposure to dry cement dust is approximately fifteen minutes on each occasion the cement mixer is loaded. Wet mortar or concrete is tipped into barrows for transportation within the site.

**QUANTITIES USED:**

Half bag per load in 5/3.5 mixer.

**ASSESSMENT OF RISK:**

The risk to health is not significant because skin contact and eye contact is avoided. Inhaling small quantities of dry cement dust does not present a significant health risk.

**RECOMMENDED CONTROL MEASURES:**

Avoid skin and eye contact. Avoid breathing cement dust.

**SPILLAGE MANAGEMENT:**

Avoid inhaling dust and skin contact with wet mortar. Shovel up for possible reuse, or dispose waste.

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10/11/2017

**REVIEW DATE:**

November 2018

**Client:-**

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**Site Address:-**

Generic Documentation

**SUBSTANCE / TRADE NAME:**

MOTOR GASOLINE (PETROL) - LEADED

**SUPPLIER:****TOXIC INGREDIENTS**

Benzene (0-5 % by volume  
n-Hexane (0-2% by volume)  
Lead Allcyls (TEL 0.05-0.15  
Mg Pblitre)  
(TML 0.05-0.15 mg Pblit

**\* LTEL**

5ppm  
20ppm  
0.1mg/m3  
0.15mg/m3

**\* STEL****\*\* COMMENTS**

MEL  
OES  
OES  
OES

**DESCRIPTION OF SUBSTANCE:**

Clear yellow liquid with characteristic petroleum hydrocarbon odour. Insoluble in water. Classified as a "special waste" under the Control of Pollution Regulations 1980.

**HAZARDS:**

High vapour concentrations are narcotic and may cause unconsciousness or death. Repeated exposure under conditions of improper handling could cause delayed harmful effects from some components. Storage tanks which have contained leaded petrol may contain hazardous levels of lead alkyls and the Control of Lead at Work Regulations apply to work with such tanks

**FIRST AID:**

Inhalation: Remove to fresh air, seek medical help.  
Eyes: Flood eye with plenty of water for 10 minutes.  
Body: Flood splashed surface with plenty of running water for 10 minutes.  
Remove contaminated clothing.  
Ingestion: Drink copious amounts of water. Do not induce vomiting. Seek medical advice.

**STORAGE CONDITIONS:**

This product is defined as "Petroleum Spirit" within the Petroleum Consolidation Act 1928, specifying that no more than 3 gallons may be kept without a license.

**ACTIVITY / CONDITIONS OF USE:**

Garage/Workshop Fuel for vehicles, generators, chain saws, lawnmowers etc. NOT used as a solvent or cleaning liquid. The fuel is purchased from local service stations.

**QUANTITIES USED:**

Various quantities depending on project size

**ASSESSMENT OF RISK:**

The risk to health is not significant because inhalation of vapour and skin contact is limited.

**RECOMMENDED CONTROL MEASURES:**

Avoid inhalation of vapour or mist. Use adequate ventilation. Avoid frequency or prolonged skin contact. Do not transfer to unsuitable, unlabelled or incorrectly labelled containers.

**SPILLAGE MANAGEMENT:**

Eliminate sources of ignition. Contain spillage with booms or sand or other suitable absorbents and remove mechanically to containers for approved disposal. Prevent spillage reaching drains or watercourses.

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10/11/2017

**REVIEW DATE:**

November 2018

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Generic Documentation

**SUBSTANCE / TRADE NAME:**

TWO-STROKE OIL

**SUPPLIER:****TOXIC INGREDIENTS**

Oil Mists

**\* LTEL**

5mg/m3

**\* STEL**

10mg/m3

**\*\* COMMENTS**

OES

**DESCRIPTION OF SUBSTANCE:**

Brown viscous liquid manufactured from high boiling fractions of petroleum and containing additives necessary for chemical and physical properties required.

**HAZARDS:**

Prolonged skin contact may cause skin irritation, which could possibly lead to dermatitis. Splashes in the eyes may cause irritation. Inhalation of oil mists may cause respiratory irritation.

**FIRST AID:**

Skin: Wash with soap and water, use moisturising creams.  
Eyes: Irrigate with water/eyewash for at least 15 minutes.  
Inhalation: Remove to fresh air.

**STORAGE CONDITIONS:**

Store in cool, dry place  
Store away from oxidising agents.

**ACTIVITY / CONDITIONS OF USE:**

Used as an additive to the fuel of small items of plant e.g chainsaw to provide lubrication for the engines.

**QUANTITIES USED:**

Supplied in various containers from 5 litre to 25 litre.

**ASSESSMENT OF RISK:**

Small risk to health from prolonged skin contact. Product is not used in situations likely to generate oil mists.

**RECOMMENDED CONTROL MEASURES:**

Wear overalls and impervious gloves if prolonged skin contact is likely. Utilise barrier creams and moisturising creams and maintain good personal hygiene practices.

**SPILLAGE MANAGEMENT:**

Absorb with suitable absorbent granules and either incinerate or dispose according to relevant local authority requirements

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10/11/2017

**REVIEW DATE:**

November 2018

**Client:-**

Gary Fletcher (Surfacing) Ltd

**Site Address:-**

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**SUBSTANCE / TRADE NAME:** MORTAR  
**SUPPLIER:**

| TOXIC INGREDIENTS             | * LTEL  | * STEL | ** COMMENTS |
|-------------------------------|---------|--------|-------------|
| Calcium Silicate (total dust) | 10mg/m3 |        | OES, TID    |
|                               | 5mg/m3  |        | OES, RP     |

**DESCRIPTION OF SUBSTANCE:**

Wet viscous mixture of Portland cement, sand and water based resin additive.

**HAZARDS:**

The mixture is strongly alkaline and contact with the skin or eyes can cause severe burns / ulceration. Repeated prolonged contact can cause irritant, contact dermatitis. Some individuals may develop allergic contact dermatitis through their sensitivity to traces of chromium compounds in cement.

**FIRST AID:**

Skin: Wash skin and apply a moisturising cream immediately after.  
 Eyes: Splashes in eyes should be treated with copious amounts of water, irrigate for at least 10 minutes.  
 Seek medical advice.

**STORAGE CONDITIONS:**

Not applicable.

**ACTIVITY / CONDITIONS OF USE:**

Applied to blockwork or brickwork with trowels. Risk of contact with skin or eyes.

**QUANTITIES USED:**

Variable

**ASSESSMENT OF RISK:**

Risk to health due to skin or eye contact.

**RECOMMENDED CONTROL MEASURES:**

Ensure operators are aware of the risk of burns etc, through skin contact.  
 Gloves should be worn where skin contact is foreseeable. A supply of clean water should be available to deal with splashes.

**SPILLAGE MANAGEMENT:**

Shovel up.

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**REVIEW DATE:**

November 2018

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**Site Address:-**

Generic Documentation

**SUBSTANCE / TRADE NAME:** DIESEL OIL  
**SUPPLIER:**

| <b>TOXIC INGREDIENTS</b> | <b>* LTEL</b> | <b>* STEL</b> | <b>** COMMENTS</b> |
|--------------------------|---------------|---------------|--------------------|
| Oil Mists                |               | 5mg/m3        | 10mg/m3<br>OES     |

**DESCRIPTION OF SUBSTANCE:**

Brown viscous liquid manufactured from high boiling fractions of petroleum and containing additives necessary for chemical and physical properties required.

**HAZARDS:**

Prolonged skin contact may cause skin irritation which could possibly lead to dermatitis. Splashes in the eyes may cause irritation. Inhalation of oil mists may cause respiratory irritation.

**FIRST AID:**

Skin: Wash with soap and water, use moisturising creams.  
 Eyes: Irrigate with water for at least 15 minutes  
 Inhalation: Remove to fresh air.

**STORAGE CONDITIONS:**

Store in cool, dry place. Store away from oxidising agents.

**ACTIVITY / CONDITIONS OF USE:**

Used for vehicle engines.

**QUANTITIES USED:**

Supplied in various containers from 5 litre cans to bulk tanks/drums.

**ASSESSMENT OF RISK:**

Small risk to health from prolonged skin contact. Product is not used in situations likely to generate oil mists.

**RECOMMENDED CONTROL MEASURES:**

Wear overalls and impervious gloves if prolonged skin contact is likely. Utilise barrier creams and moisturising creams and maintain good personal hygiene practices.

**SPILLAGE MANAGEMENT:**

Absorb with suitable absorbent granules and either incinerate or dispose according to relevant local authority requirements.

**SIGNED BY ASSESSOR:***J Sanders***DATE:**

10/11/2017

**REVIEW DATE:**

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**Site Address:-**

Generic Documentation

**SUBSTANCE / TRADE NAME :** MARKER SPRAY  
**SUPPLIER:**

| TOXIC INGREDIENTS           | * LTEL                 | *STEL                         | ** COMMENTS |
|-----------------------------|------------------------|-------------------------------|-------------|
| 1-Methoxy-2-Propanol 10-30% | 375 mg/m <sup>3</sup>  | 15 min 560 mg/m <sup>3</sup>  | OES         |
| Mesitylene 1-10%            | 25ppm                  |                               | OES         |
| Acetone 30-50%              | 1210 mg/m <sup>3</sup> | 15 min 3620 mg/m <sup>3</sup> | OES         |
| Butane 1-10%                | 1450 mg/m <sup>3</sup> | 15 min 1810 mg/m <sup>3</sup> | OES         |

**DESCRIPTION OF SUBSTANCE:**

An aromatic aerosol available in various colours.

**HAZARDS:**

Extremely flammable, irritating to eyes and skin. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness. May form flammable/explosive vapour air mixture.

**FIRST AID:**

**Skin:** Mild irritation at site of contact, remove all contaminated clothes and footwear immediately unless stuck to skin, wash immediately with plenty of soap and water.

**Eyes:** May be irritation and redness, the eyes may water profusely, bathe the eye with running water for 15 minutes, seek medical attention.

**Ingestion:** May be soreness and redness of the mouth and throat, wash out mouth with water, seek medical attention.

**Inhalation:** May be irritation of the throat with a feeling of tightness in the chest, exposure may cause coughing or wheezing, remove casualty from exposure and seek medical attention.

**STORAGE CONDITIONS:**

Store in cool well ventilated area. Keep container tightly closed. Keep away from sources of ignition. Prevent the build up of electrostatic charge in the immediate area. Ensure lighting and electrical equipment is not a source of ignition.

**ACTIVITY / CONDITIONS OF USE:**

Used for marking out lines etc.

**QUANTITIES USED:**

Various.

**ASSESSMENT OF RISK:**

Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air. Smoking is forbidden. Use non-sparking tools.

**RECOMMENDED CONTROL MEASURES:**

Ensure operatives are aware of the effects of using this product and wear the appropriate protective clothing and equipment, protective overalls, impervious gloves, and breathing masks, and protective goggles.

**SPILLAGE MANAGEMENT:**

Absorb any spillage into dry earth or sand. Shovel up and transfer to a closable labelled container for disposal by an appropriate method. Do not use equipment in cleaning up which may produce sparks.

|  |                                |  |
|--|--------------------------------|--|
| <b>SIGNED BY ASSESSOR:</b><br><br><i>J Sanders</i> | <b>DATE:</b><br><br>10/11/2017 | <b>REVIEW DATE:</b><br><br>November 2018 |
|--|--------------------------------|--|

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Generic Documentation

**SUBSTANCE / TRADE NAME :** PRE-CAST CONCRETE  
**SUPPLIER:**

| <b>TOXIC INGREDIENTS</b> | <b>* LTEL</b> | <b>*STEL</b> | <b>** COMMENTS</b> |
|--------------------------|---------------|--------------|--------------------|
| None known.              |               |              |                    |

**DESCRIPTION OF SUBSTANCE:**

Pre-cast concrete products, paving, decorative, internal walling and internal flooring. A mixture of cement, aggregates and water. It is dense, heavy, hard and abrasive.

**HAZARDS:**

As a substance, hardened concrete is non-hazardous; however manual handling of the product is hazardous due to their weight. Do not attempt to handle products manually unless training has been received in kinetic handling techniques. Manual handling can also cause cuts, abrasions and/or skin irritations therefore gloves should be worn when handling. Cutting of hardened products will produce excessive amounts of dust that will contain respirable Quartz, this may constitute a chronic health hazard. A suitable mask to BS or EN standard should be worn when cutting hardened products.

**FIRST AID:**

Skin: If cuts or abrasions occur, wash thoroughly and apply suitable dressings.  
 Eyes: If dust enters eyes, flush with clean water for approximately 10 minutes.  
 Ingestion: If dust enters the mouth, give plenty of water to drink.  
 Inhalation: If dust is inhaled, remove to fresh air and give plenty of water to drink.

**STORAGE CONDITIONS:**

All products must be stored on a firm level surface and not on slopes or soft uneven ground. Do not stack packs of products.

**ACTIVITY / CONDITIONS OF USE:**

A pre-cast concrete product used in various locations, both internally and externally.

**QUANTITIES USED:**

Various.

**ASSESSMENT OF RISK:**

Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space.

**RECOMMENDED CONTROL MEASURES:**

Use personal protective equipment, dust mask to BS or EN standard where operations may cause inhalation of the product, protective gloves and safety goggles. Use dust extraction of OES is to be exceeded.

**SPILLAGE MANAGEMENT:**

Dispose of in accordance with local disposal regulations.

**SIGNED BY ASSESSOR:***J Sanders***DATE:**

10/11/2017

**REVIEW DATE:**

November 2018