

# RISK ASSESSMENT FORM

Client: Space Free Ltd      Contract: 138 – 140 Highgate Road, London, NW5 1PB.      Assessor:

Job No: G1210 - 51      Job Title: Construct 350mm diameter open bore contiguous piled wall      Tel No:

Duration: 7 Weeks      Contract Manager: Patrick Clancy

Start date: September 2019      Site Tel No:      Signed: *Patrick Clancy*      Date: 14/8/19

ACTIVITY	HAZARD	WHO AFFECTED			BEFORE CONTROL			CONTROL MEASURES	AFTER		
		EMP	NON-EMP	PUBLIC	P	S	RF		P	S	RF
Piling	Electrocution	3	1	0	5	9	45	Services drawings to be sought from Client, area to be scanned with CAT by main contractor and the surface sprayed with paint if services indicated. Trial holes will be dug by hand to locate the services if picked up with CAT. Permit to dig will be issued by main contractors supervisor once exact location of services is determined.	1	9	18
Open excavations	Trip / fall and collapse of excavation	3	1	0	3	4	12	The piles are only 350mm diameter which will be concrete each day.	1	4	4
Fall onto Protruding reinforcement out of pile	Impaled onto re-bar	3	3	0	5	9	45	Protection caps / plastic mushrooms to be placed onto ends of reinforcement. Keep area clear of trip hazards.	1	5	5

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Movement of lorries and plant	Person struck by lorry transporting materials.	3	2	2	3	9	27	All persons on site to wear high visibility jackets and a banks man or competent person to direct lorries on and off site	1	9	9
Manual handling	Muscular Skeletal	3	1	0	4	5	20	Maximum safe load is 25kg, if possible lift by mechanical means or seek assistance if load is large or awkward. Kinetic method of lifting should be always used e.g. (1) Bend knees (2) Grasp the load (3) lift using the legs (4) Carry load on even ground. If possible lift by mechanical means or seek help from others. Hoist to be use to remove spoil from excavation if over 3m deep.	1	5	5
Working with electric tools	Electrocution	3	0	0	5	9	45	All 110v plant and leads to have proper PAT Test Certs. Any damaged leads to be disposed or repaired. Specialist plant to be used by trained operatives. No 240v tools to be used on site.	1	9	9

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Use of hi-ab when off loading lorries	Materials dropping inadvertently or overturning lorry.	4	1	4	4	5	20	No persons are allowed to stand or work within operating radius without the operator’s permission. Loads must not be slewed over personnel or vehicles. Outriggers must be on firm ground. A banks man or competent person is to be used when the driver’s vision is impaired or operating in a congested area. All drivers to have CITB certs. Machines to have proper test and examination certs and all chains and shackles to have correct test certs and must be examined and recorded by a competent person weekly.	1	5	5
Refuelling Plant	Fire & spillage	3	0	0	3	5	15	All fuels site must be stored within approved containers and the container must be clearly marked indicating substance within. Client will have fire procedures shown on site with position of fire extinguishers if required. Purkelly’s gas oil/ diesel will be stored on sump pallet and a spill kit will be accessible if required. COSHH data will be issued to Client and Purkelly’s foreman of substances stored on site.	1	5	5
Working with concrete	Concrete burns & skin disease	3	1	0	4	7	28	Operatives are to wear PPE ensuring concrete does not contact the skin. Rubber Wellingtons are to be worn to stop concrete juices wetting cloths. When mixing concrete on site ensure mask and goggles are worn when tipping cement into mixer especially if windy. COSHH assessment for concrete and cement within COSHH register	1	7	7
Risk Assessment – August 2019									‘A’ to Chapter 7		

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ACTIVITY	HAZARD	WHO AFFECTED			BEFORE CONTROL			CONTROL MEASURES	AFTER		
		EMP	NON-EMP	PUBLIC	P	S	RF		P	S	RF
Trapped limb within spinning auger	Spinning augers trapping persons hands or cloths	3	0	0	4	5	20	Whilst working rig only operator and piling gang are allowed within working area. All loose clothing to be tucked away ensuring they don't get attached to augers when rotating. All operatives to wear gloves and cage around augers to be closed during drilling	1	5	5
Cutting with petrol cut off saw or angle grinder	Flying debris, incorrect fitting of blades. Cutting of limbs & spark damage.	3	3	0	3	6	18	Only authorised person is allowed to change disc/blade. They must ensure guards are correctly fitted, the automatic release is operational and the disc type and the RPM are compatible with the cutter. All users to wear approved hearing and eye protection. Dust suppression kit to be used when cutting concrete or brick. Cut materials within the working area ensuring sparks etc not directed at public or parked vehicles, hard board protection should be erected around cutting area.	1	6	6

**RISK FACTOR (RF)    0 – 9 = Low Risk                      10 – 29 = Medium Risk                      30 – 81 = High Risk**

CONTROL OF SUBSTANCES HAZARDOUS TO HEALTH  
ASSESSMENT & SAFETY DATA SHEET

Location: All Sites

Assessor: Patrick Clancy

Date: 05/01/2016

Product Name: Ready Mix Concrete

Used for: General Purpose Concreting Task

Used By: Ground Workers, Labours & Pilers

Suppliers Hazard Data Sheet Available:

Assessment No. RAC0008

TYPE AND EXTENT OF HAZARD.

Solid  Liquid  Gas  Dust  Powder  Vapour  Fume

Other (Give brief description) Grey Granular Paste

Toxic  Irritant  Corrosive  Flammable  Explosive

Route of Body Entry:- Inhalation  Absorption  Ingestion

Penetration (via Skin)

Company History of Ill Effects (if any) None

EXPOSURE LIMITS (EH40/2005)

Short Term Exposure Limit (STEL)

Maximum Exposure Limit (MEL) 0.4 mg/m<sup>3</sup> long term (Quartz Silica) (8hrs TWA)

Occupational Exposure Standard (OES) 10mg/m<sup>3</sup> Inhalable 4mgm/m<sup>3</sup> Respirable 8hr TWA long term

Is Testing required to determine Exposure Levels? ~~YES~~ / NO

Is there a requirement for Medical Surveillance? ~~YES~~ / NO

### HAZARDS

Contact with wet cementitious mixes can cause: skin dermatitis, cement burns and de-fat the skin

Eyes - can cause irritation, inflammation or burns.

Ingestion - can cause stomach and intestinal irritation.

Surface treatment or cutting of hardened concrete may create dust that may contain Quartz, Silica

### CONTROL MEASURES

#### SYSTEM OF WORK/DESIGN CONTROL MEASURES

Supplier ready mixed to reduce contact, where practical pumped or positioned by means of a chute

Operatives should not come into contact with wet concrete.

Ensure operatives do not sit or kneel on wet material as harmful contact can occur through saturated clothing.

Where practical pre formed concrete material should be design into the project, items such as stairs, beams and slabs pot and beams floors etc.

#### PROTECTIVE CLOTHING AND EQUIPMENT

Rubberboots.(Wellington Boots)

Gloves or Gauntlets- impervious

Goggles or Full face protection

Waterproof over trousers

Suitable respiratory equipment when cutting hardened concrete 3m 8810 or protection below 5 microns respirable dust particulate size

#### INFORMATION/TRAINING/INSTRUCTION REQUIREMENTS.

Job specific training on-site

Risk Assessment Information

Respirable protective equipment training

Personal hygiene instruction and provision of suitable welfare material and equipment IE drying rooms wash and running water, with soap and drying facilities

#### STORAGE ARRANGEMENTS

Additives can be included within the concrete mixture which prevent or enhance the curing period during which the precautions above should be enforced and continued to be taken.

Access to unauthorised persons should be prevented.

OTHER DETAILS

FIRST AID MEASURES

Skin contact - wash off immediately with soap and water.

Where concrete enters boots or gloves or saturated clothing, the article should be removed immediately and washed before further use.

Eye contact - irrigate immediately with water seek medical assistance or treatment at the hospital

Ingestion - Wash out mouth, do not induce vomiting. If large amount swallowed seek medical advice.

FIRE-FIGHTING MEASURES

No special requirements.

The cured product will explode when subjected to high temperatures or fire

ACCIDENTAL RELEASE MEASURES

Avoid entry into watercourses, drains etc.

Dust produced by cutting hammering etc: should be controlled at source by local ventilation extraction or suppression

DISPOSAL CONSIDERATIONS

Harden off and dispose in accordance with local authority and national legal requirements.

Hardened material is inert.

Is this Product safe for the intended use: YES /NO

Name (BLOCK LETTERS) Patrick Clancy Date: 08/06/2018

Signed: Patrick Clancy



**CONTROL OF SUBSTANCES HAZARDOUS TO HEALTH  
ASSESSMENT & SAFETY DATA SHEET**

Location: All Sites

Assessor: Patrick Clancy

Date: 05/01/2016

Product Name Diesel Fuel  
 Used For: Diesel powered engines  
 Used By: All employees  
 Suppliers Hazard Data Sheet Available:  Yes  No  
 Assessment No: **RAC0011**

**TYPE AND EXTENT OF HAZARD.**

Solid  Liquid  Gas  Dust  Powder  Vapour  Fume

Other (Give brief description) Mobile liquid at ambient temperature. Clear amber/orange.

Toxic  Irritant  Corrosive  Flammable  Explosive

Route of Body Entry:- Inhalation  Absorption  Ingestion

Penetration (via Skin)

Company History of Ill Effects (if any) None

**EXPOSURE LIMITS (EH40/2005)**

Short Term Exposure Limit (STEL) N/A

Maximum Exposure Limit (MEL) N/A

Occupational Exposure Standard (OES) N/A



Is Testing required to determine Exposure Levels? *YES/NO*

Is there a requirement for Medical Surveillance? *YES/NO*

### *HAZARDS*

In the case of inhalation of higher vapour concentrations can have effects on the central nervous system. In the case of skin contact defatting and irritation may occur. In the unlikely event of ingestion, of aspiration into the lungs with possible resultant chemically induced pneumonia.

Exposure to higher vapour concentrations can lead to nausea, headache, dizziness, loss of consciousness and in oxygen deficient environments, death. A person exposed to significant concentrations of vapour may display drunken behaviour, and there judgement may be impaired.

### *CONTROL MEASURES*

#### *SYSTEM OF WORK/DESIGN CONTROL MEASURES*

Diesel is designed to be used in closed systems and vehicle fuel systems.

Use in well ventilated areas.

Keep away from naked flames.

Keep away from food, practice high levels of personal hygiene.

Avoid contact with skin.

#### *PROTECTIVE CLOTHING AND EQUIPMENT*

Impervious gloves and overalls are to be worn where regular contact is likely.

Goggles are to be worn if there is a risk of slashing.

#### *INFORMATION/TRAINING/INSTRUCTION REQUIREMENTS.*

Safety data sheets.

Verbal instruction

Regular monitoring of use and quantities.

#### *STORAGE ARRANGEMENTS*

Store in well-ventilated area.

Secured area away from children and animals.

Away from heat, fire and food stuffs.

Containers storing diesel must be clearly labelled of substance within.

## OTHER DETAILS

**FIRST AID MEASURES**

Inhalation – Remove the affected person to fresh air. If breathing has stopped administer artificial respiration

Obtain medical assistance immediately.

Skin – Flush the contaminated skin with water. Use soap if available. Contaminated clothing should be removed and laundered before reuse.

Eyes – Flush the eye with copious quantities of water. If irritation persists refer to medical attention.

Ingestion – DO NOT INDUCE VOMITING. Wash out of mouth with water and if ingestion is suspected

Send to hospital immediately. Show the data sheet to the physician drawing attention to Notes for Doctors

**FIRE-FIGHTING MEASURES**

Extinguishers – **Large Fire** – Foam/Water Fog – **NEVER USE WATER JET**

Extinguishers – **Small fire** – Foam/Dry Powder/AFFF/CO2/Sand /Earth

**ACCIDENTAL RELEASE MEASURES**

Clear people away from the area to a safe place. Do not operate electrical equipment unless flameproof.

Summon aid of emergency services if warranted.

Prevent product-entering waterways, drains etc. By ensuring containers are stored on sump pallets.

Use sand, earth or other suitable material to contain spillage from spreading or entering water courses.

Spill kits to be accessible if spillage of gas oil /diesel occurs.

**DISPOSAL CONSIDERATIONS**

Diesel is covered by Special Waste Regulations. Diesel should be disposed of to a licensed waste contractor.

Any disposal route should comply with local bylaws and the requirements of the Environmental Protection Act 1990.

Are existing control measures adequate: YES / NO

Is this Product safe for the intended use: YES / NO

Name (BLOCK LETTERS) PATRICK CLANCY

Date: 08/06/2018

Signed: Patrick Clancy



### CONTROL OF SUBSTANCES HAZARDOUS TO HEALTH ASSESSMENT & SAFETY DATA SHEET

Location: All Sites

Assessor: Patrick Clancy

Date: 05/01/2016

Product Name Hydraulic Oil – Polyalkylene glycol ether additives  
 Used For: Hydraulic pressure equipment  
 Used By: All employees  
 Suppliers Hazard Data Sheet Available:  Yes  No  
 Assessment No: **RAC0061**

#### TYPE AND EXTENT OF HAZARD.

Solid  Liquid  Gas  Dust  Powder  Vapour  Fume

Other (Give brief description) Mobile liquid at ambient temperature. Clear amber/orange.

Toxic  Irritant  Corrosive  Flammable  Explosive

Route of Body Entry:- Inhalation  Absorption  Ingestion

Penetration (via Skin)

Company History of Ill Effects (if any) None

#### EXPOSURE LIMITS (EH40/2005)

Short Term Exposure Limit (STEL) N/A

Maximum Exposure Limit (MEL) N/A

Occupational Exposure Standard (OES) N/A

Is Testing required to determine Exposure Levels? *YES/NO*

Is there a requirement for Medical Surveillance? *YES/NO*

### *HAZARDS*

In the case of inhalation of higher vapour concentrations can have effects on the central nervous system.

In the case of skin contact – wash skin with soap and water.

In the unlikely event of ingestion, Seek medical advise and try not to induce vomiting.

Exposure to higher vapour concentrations can lead to nausea, headache, dizziness, loss of consciousness and in oxygen deficient environments, death. A person exposed to significant concentrations of vapour may display drunken behaviour, and there judgement may be impaired.

When in eyes wash with clean water for 15 minutes if in any pain seek medical advice

### *CONTROL MEASURES*

#### *SYSTEM OF WORK/DESIGN CONTROL MEASURES*

Hydraulic oil is designed to be used in closed systems.

Use in well ventilated areas.

Keep away from naked flames in case of fire use foam / dry powder or Co2 fire extinguishers.

Wash hand before eating, drinking or smoking.

Avoid contact with skin.

#### *PROTECTIVE CLOTHING AND EQUIPMENT*

Impervious gloves and overalls are to be worn where regular contact is likely.

Goggles are to be worn if there is a risk of slashing.

#### *INFORMATION/TRAINING/INSTRUCTION REQUIREMENTS.*

Safety data sheets.

Verbal instruction

Regular monitoring of use and quantities.

#### *STORAGE ARRANGEMENTS*

Store in well-ventilated area.

Secured area away from children and animals.

Away from heat, fire and food stuffs.

Store within well marked suitable containers

*OTHER DETAILS**FIRST AID MEASURES*

Inhalation – Remove the affected person to fresh air. If breathing has stopped administer artificial respiration. Obtain medical assistance immediately.

Skin – Flush the contaminated skin with water. Use soap if available. Contaminated clothing should be removed and laundered before reuse.

Eyes – Flush the eye with copious quantities of water. If irritation persists refer to medical attention.

Ingestion – **DO NOT INDUCE VOMITING.** Wash out of mouth with water and if ingestion is suspected Send to hospital immediately. Show the data sheet to the physician drawing attention to Notes for Doctors

*FIRE-FIGHTING MEASURES*

Extinguishers – **Large Fire** – Foam/Water Fog – **NEVER USE WATER JET**

Extinguishers – **Small fire** – Foam/Dry Powder/AFFF/CO2/Sand /Earth

*ACCIDENTAL RELEASE MEASURES*

Clear people away from the area to a safe place. Do not operate electrical equipment unless flameproof.

Summon aid of emergence services if warranted.

Prevent product-entering waterways, drains etc.

Use spill kit, sand, earth or other suitable material to clear up spillages.

*DISPOSAL CONSIDERATIONS*

Hydraulic oil is covered by Special Waste Regulations. Hydraulic oil should be disposed of to a licensed waste contractor.

Any disposal route should comply with local bylaws and the requirements of the Environmental Protection Act 1990.

Are existing control measures adequate: YES / NO

Is this Product safe for the intended use: YES / NO

Name (BLOCK LETTERS)

Patrick Clancy

Date: 05/01/2018

Signed:

Patrick Clancy