



ROGER BULLIVANT

APPENDIX 4

COSHH DOCUMENTS



Task Risk Assessment

With COSHH Compliance

Before Controls

MEDIUM
9
RISK

After Controls

LOW
3
RISK

| | | | |
|-----------------|----------------------|-------------|---------------|
| Task Title | Using: CONCRETE | | |
| Location | Piling Discipline | | |
| Assessed On | 09/03/2021 | Assessed By | Tom Bannister |
| Review Date | 09/09/2021 | Reference | RA964146 |
| Signed By | Tom Bannister | Revision | 2 |
| People Affected | Operators, Employees | | |

Hazards



PPE



Task/Procedure/Method Statement

Using: CONCRETE

used during CFA and CHD piling operations

| Activities | Method | Area | Exposure |
|---------------|-------------------|---------|------------------------|
| Act No. 28 | Pouring | Outside | 4 to 8 hours per shift |
| Act No. 29 | Indirect Exposure | Outside | 4 to 8 hours per shift |

Substance Information

Product Name

Multipurpose Concrete (266-043-4)

Manufacturer

Tarmac

Hazard Symbols



Regulatory Statements

H315: Causes skin irritation

H317: May cause an allergic skin reaction

H318: Causes serious eye damage

P102: Keep out of reach of children

P280: Wear protective gloves/protective clothing/eye protection/face protection

P305+P351+P338+P310 : if in eyes:rinse cautiouslywith water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor

P305+P351+P338+P310 : if in eyes:rinse cautiouslywith water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor

P305+P351+P338+P310 :if in eyes:rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor

| Application Method | Application Area | Frequency Of Use | Quantity Used | Duration Use |
|--------------------|------------------|------------------|---------------|--------------------------|
| Pumping | Outside | Daily | 100l | 1/2 to 2 hours per shift |

Spillage, Storage & Waste

handling and storage

7.3. specific end use(s) do not handle or store near food and no additional information for the beverages or smoking materials. specific end uses (see section 1.2).

7.1. precautions for safe handling

7.4. control of soluble cr (vi) the good practice guides which contain advice on for cement in concretes treated with a cr (vi) safe handling practices can be found from:<http://reducing-agent>, according to the regulations given www.nepsi.eu/agreement-good-practice-guide/in section 15, the effectiveness of the reducing agent diminishes with time. therefore, concrete adopted under the social dialogue agreement bags and/or delivery documents will contain on workers health protection through the good information on the packaging date, the storage handling and use of crystalline silica and products conditions and the storage period appropriate containing it by employee and employer european to maintaining the activity of the reducing agent sectoral associations, among which cembureau, and to keeping the content of soluble chromium vi below 0.0002 % of the total dry weight of the

7.1.1 protective measures cement ready for use, according to en 196-10. follow the recommendations as they will also indicate the appropriate given under section 8. storage conditions for maintaining the to clean up dry concrete, see subsection

6.3. effectiveness of the reducing agent. measures to prevent fire not applicable.

WELS

Cement 10mg/m3 Inhal8hTWA 4mg/m3 Resp8hTWA WEL, Aggregate (may contain low levels of respirable silica) 0.1mg/m3 8hTWA WEL

Task Related Hazards & Controls



Before Controls: **Medium Risk (9/25)**



After Controls: **Low Risk (3/25)**



Hazard Description
H315: Causes skin irritation

Controls In Place



P102: Keep out of reach of children



P501 Dispose of contents/container to....



P272 Contaminated work clothing should not be allowed out of the workplace.



P280: Wear protective gloves/protective clothing/eye protection/face protection.



P264 Wash skin thoroughly after handling.



P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

Emergency Controls In Place



Please Consider First Aid



P332 + P313 IF SKIN irritation occurs: Get medical advice/attention.



P302 + P352 IF ON SKIN: wash with plenty of soap and water



P362 Take off contaminated clothing and wash before reuse.



P321 Specific treatment (see ... on this label)



Before Controls: **Medium Risk (9/25)**



After Controls: **Low Risk (3/25)**



Hazard Description
H318: Causes serious eye damage

Controls In Place



P102: Keep out of reach of children



P280: Wear protective gloves/protective clothing/eye protection/face protection.

Emergency Controls In Place



P310 Immediately call a POISON CENTER or doctor/physician



P305 + P351 + P338
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

General Controls & Emergency Controls

Controls In Place



Wear protective gloves



Wear safety footwear



Wash your hands



BS EN166 GRADE 3



Wear protective clothing

Emergency Controls In Place



First aid



Evacuation assembly point

Health Surveillance

4. FIRST AID MEASURES

When contacting a physician, take this safety data sheet with you.

4.1 After significant accidental inhalation

Move person to fresh air. Dust in throat and nasal passages should clear spontaneously. Contact a physician if irritation persists or later develops or if discomfort, coughing or other symptoms do not subside.

4.2 After contact with eyes

Do not rub eyes, as additional cornea damage is possible by mechanical stress.

Remove any contact lenses and open the eyelid(s) widely to flush eye(s) immediately by thoroughly rinsing with plenty of clean water for at least 45 minutes to remove all particles. If possible, use isotonic water (0.9% NaCl). Contact a specialist of occupational medicine or an eye specialist.

4.3 After skin contact

For dry product, remove and rinse abundantly with water. For wet product, wash skin with water. Remove contaminated clothing, footwear, watches, etc. and clean thoroughly before re-using them. Seek medical treatment in all cases of irritation or burns.

4.4 After significant accidental ingestion

Do not induce vomiting. If person is conscious, wash out mouth with water and give plenty of water to drink. Get immediate medical attention or contact anti poison centre.

5. FIRE-FIGHTING MEASURES

5.1 Flashpoint and method

Products are non-combustible and non-explosive and will not facilitate nor support combustion of other materials.

5.2 Extinguishing media

All types of extinguishing media are suitable.

5.3 Fire fighting equipment

Products pose no fire-related hazards. No need for specialist protective equipment for fire fighters.

5.4 Combustion products

None.

5.5 Flammable limits: Lower explosion limit LEL – Upper explosion limit UEL

Not applicable.



Task Risk Assessment

With COSHH Compliance

sevron

Before Controls

MEDIUM
9
RISK

LOW
3
RISK

After Controls

Task Title

Using: Prime-a-Pump

Location

Piling Discipline

Assessed On

14/12/2020

Assessed By

Tom Bannister

Review Date

14/12/2022

Reference

RA964477

Signed By

Tom Bannister

Revision

1

People Affected

Operators, Employees

Hazards



PPE



Task/Procedure/Method Statement

Using: Prime-a-Pump

used during piling process for priming concrete pumps

Activities

| Act No. | Method | Area | Exposure |
|---------|--------|---------|--------------------------|
| 16 | Mixing | Outside | 1/2 to 2 hours per shift |

Substance Information

Product Name

Prime-a-Pump ()

Manufacturer

Prime-a-Pump

Hazard Symbols



Regulatory Statements

H319: Causes serious eye irritation

P264: Wash please see SDS thoroughly after handling

P280: Wear protective gloves/protective clothing/eye protection/face protection

P305+351+338: IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing

P337+313: If eye irritation persists: Get medical advice/attention

| Application Method | Application Area | Frequency Of Use | Quantity Used | Duration Use |
|--------------------|------------------|------------------|---------------|--------------------------|
| Mixing | Outside | Daily | 25KG | 1/2 to 2 hours per shift |

Spillage, Storage & Waste

Section 6: Accidental Release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Avoid breathing dust. For personal protection, see section 8.

6.2. Environmental precautions

Environmental precautions Do not let product enter drains.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Pick up and arrange disposal without creating dust. Damp down sweep up and shovel. Keep in suitable, closed containers for disposal.

Section 7: Handling and Storage

7.1. Precautions for safe handling

Usage precautions Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs. Provide appropriate exhaust ventilation at places where dust is formed. For precautions, see section 2.2.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Keep container tightly closed in a dry and well-ventilated place.

7.3. Specific end use(s)

Specific end use(s) Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

WELS

Sodium carbonate 10mg/m3 Inhal8hTWA 4mg/m3 Resp8hTWA WEL

Task Related Hazards & Controls



Before Controls: Medium Risk (9/25)



After Controls: Low Risk (3/25)



Hazard Description

Danger by Eye Contact substance material chemical splash

Controls In Place



P264 Wash hands thoroughly after handling



P280 Wear protective gloves/protective clothing/eye protection/face protection.

Emergency Controls In Place



P337 + P313 IF eye irritation persists: Get medical advice/attention



P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.



Before Controls: Medium Risk (9/25)



After Controls: Low Risk (3/25)



Hazard Description

Danger by absorption substance material chemical skin contact absorb

Controls In Place



Wash your hands



No eating or drinking



Wear protective clothing



Wear eye protection



Wear protective gloves

Emergency Controls In Place



Eyewash station



Before Controls: Medium Risk (9/25)



After Controls: Low Risk (3/25)



Hazard Description

Danger by Ingestion substance material chemical swallow ingest

Controls In Place



Wash your hands



No eating or drinking



Wear protective clothing



Wear eye protection



Wear protective gloves

Emergency Controls In Place



First aid

General Controls & Emergency Controls

Controls In Place



Wear protective clothing



BS EN166



POLYTHENE OR NITRILE



Wash your hands

Emergency Controls In Place



First aid

Section 4: First aid measures

4.1 Description of First Aid Measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.
Move out of dangerous area.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration.
Consult a physician.

In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed

Never give anything by mouth to an unconscious person.
Rinse mouth with water.
Consult a physician.

Revision Date: 25 September 2018

4.2. Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

4.3. Indication of any immediate medical attention and special treatment needed

No data available.

.....

Section 5: Fire Fighting Measures

5.1 Extinguishing media

Suitable Extinguishing Media Use water spray or powder.

5.2 Special hazards arising from substance or mixture

Specific Hazards Carbon oxides and sodium oxides.
Hazardous combustion products

5.3 Advice to Fire fighters

Special protective equipment Wear self-contained breathing apparatus
for fire fighters for firefighting if necessary.



Task Risk Assessment

With COSHH Compliance

sevron

| | | |
|-----------------|---------------------|----------------|
| Before Controls | HIGH 16 RISK | After Controls |
| | MEDIUM 6 RISK | |

| | | | |
|-----------------|----------------------|-------------|---------------|
| Task Title | Using: DIESEL | | |
| Location | UMP discipline | | |
| Assessed On | 13/01/2021 | Assessed By | Tom Bannister |
| Review Date | 13/01/2023 | Reference | RA964738 |
| Signed By | Tom Bannister | Revision | 1 |
| People Affected | Operators, Employees | | |

Hazards



PPE



Task/Procedure/Method Statement

Using: DIESEL

refilling plant fuel tanks

Activities

| Act No. | Method | Area | Exposure |
|---------|---------|---------|--------------------------|
| 3 | Filling | Outside | 1/2 to 2 hours per shift |
| 64 | Filling | Outside | 1/2 to 2 hours per shift |

Substance Information

| | | |
|---------------------|---------------------|-----------------------|
| Product Name | Manufacturer | Hazard Symbols |
| DIESEL (54247) | TOTAL | |

Regulatory Statements

| | |
|---|--|
| H226: Flammable liquid and vapour | H304: May be fatal if swallowed and enters airways |
| H315: Causes skin irritation | H332: Harmful if inhaled |
| H351: Suspected of causing cancer | H373: May cause damage to organs through prolonged or repeated exposure |
| H411: Toxic to aquatic life with long lasting effects | P210: Keep away from heat/sparks/open flames/hot surfaces - No smoking |
| P261: Avoid breathing dust/fume/gas/mist/vapours/spray | P273: Avoid release to the environment |
| P280: Wear protective gloves/protective clothing/eye protection/face protection | P301+310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician |
| P331: Do NOT induce vomiting | P403+233: Store in a well ventilated place. Keep container tightly closed |
| P501: Dispose of contents/container to ??please see SDS?? | |

| Application Method | Application Area | Frequency Of Use | Quantity Used | Duration Use |
|--------------------|------------------|------------------|---------------|--------------------|
| Filling | Outside | Daily | 100 litres | 1/2 hour per shift |

Spillage, Storage & Waste

accidental release measures 6.1. personal precautions. protective equipment and emergency procedures general information except in case of small spillages. the feasibility of any actions should always be assessed and advised, if possible, by a trained, competent person in charge of managing the emergency. if required, notify relevant authorities according to all applicable regulations. avoid direct contact with released material. evacuate non-essential personnel. for personal protection see section 8. if spilled, take caution, as material can cause surfaces to become very slippery. ensure adequate ventilation, especially in confined areas. stay upwind. in case of large spillages, alert occupants in downwind areas. stop or contain leak at the source, if safe to do so. eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). cover discharges with foam in order to reduce the risks of ignition. advice for non-emergency do not touch or walk through spilled material. ensure adequate ventilation. eliminate all personnel ignition sources (no smoking, flares, sparks or flames in immediate area). for personal protection see section 8. advice for emergency responders in case of. small spillages:normal antistatic working clothes are usually adequate. large spillages:full body suit of chemically resistant and antistatic material. work gloves (preferably gauntlets) providing adequate chemical resistance. remarks:. gloves made of pva are not water-resistant. and are not suitable for emergency use. work helmet. antistatic non-skid safety shoes or boots. goggles and/or face shield, if splashes or contact with eyes is possible or anticipated. version euuk quick-fds 18518-49229-00739-014122-2018-09-12-13:40:30page 6/17 sds:54247 diesel revision date:2018-07-19 version 5 respiratory protection. a half or full-face respirator with

filter(s) for organic vapours (and when applicable for h2s), a self contained breathing apparatus (scba) can be used according to the extent of spill and predictable amount of exposure. if the situation cannot be completely assessed, or if an oxygen deficiency is possible, only scba s should be used. 6.2. environmental precautions general information the product should not be allowed to enter drains, water courses or the soil. do not allow material to contaminate ground water system. if necessary, consult an expert. local authorities should be advised if significant spillages cannot be contained. 6.3. methods and material for containment and cleaning up methods for containment contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/ national regulations (see section 13). large spillages may be cautiously covered with foam, if available, to limit fire risk. in case of spillage in the water, contain product with floating barriers or other equipment. the use of dispersants should be advised by an expert, and, if required, approved by local authorities. methods for cleaning up never use dispersing agents. do not use direct jets. do not flush into surface water or sanitary sewer system. transfer recovered product and other materials to suitable tanks or containers and store/dispose according to relevant regulations. 6.4. reference to other sections personal protective equipment see section 8 for more detail. waste treatment see section 13. other information recommended measures are based on the most likely spillage scenarios for this material. however, local conditions (wind, air temperature, wave/current direction and speed) may significantly influence the choice of appropriate actions. for this reason, local experts should be consulted when necessary. local regulations may also prescribe or limit actions to be taken. concentration of h2s in tank headspaces may reach hazardous values, especially in case of prolonged storage. this situation is especially relevant for those operations which involve direct exposure to the vapours in the tank. spillages of limited amounts of products, especially in the open air when vapours will be usually quickly dispersed, are dynamic situations. which presumably do not entail exposure to dangerous concentrations. as h2s has a density greater than ambient air, a possible exception may regard the build-up of dangerous concentrations in specific spots. like trenches, depressions or confined spaces. in all these circumstances, however, the correct actions should be assessed on a case-by-case basis. section

handling and storage 7.1. precautions for safe handling version euuk quick-fds 18518-49229-00739-014122-2018-09-12-13:40:30page 7/17 sds:54247 diesel revision date:2018-07-19 version 5 advice on safe handling take precautionary measures against static electricity, the inspection, cleaning and maintenance of storage containers require the application of strict procedures and must be entrusted to qualified personnel (internal or external). ensure adequate ventilation. vapours may form explosive mixtures with air. do not smoke. avoid breathing vapours or mists. avoid contact with skin, eyes and clothing. never attempt to prime the container siphon by sucking with the mouth. prevent the formation of vapors, mists and aerosols. do not use compressed air for filling, discharging, or handling operations. never pierce, drill, grind, cut, saw or weld any empty container. do not use mobile phones during handling. for personal protection see section 8. technical measures ensure adequate ventilation. while moving the product. to avoid ignition of vapours by static electricity discharge, all metal parts of the equipment must be grounded. take all necessary precautions to prevent water from entering the containers, tanks, transfer lines etc... prevention of fire and explosion handle away from any source of ignition (open flame and sparks) and heat (hot manifolds or casings). take precautionary measures against static discharges. ground/bond containers, tanks and transfer/receiving equipment. friction generated by product discharge can create static charges of sufficient magnitude to cause sparks which may lead to fire or explosion. do not allow splash loading and ensure that the product is poured slowly, particularly at the beginning of the operation. empty containers may contain flammable or explosive vapours. never weld any container or empty pipe that has not been degassed. operate only on cold and degassed tanks in ventilated premises (to avoid risk of explosion). design installations (machinery and equipment) to prevent burning product from spreading (tanks, retention systems, interceptors (traps) in drainage systems). hygiene measures when using, do not eat, drink or smoke. avoid contact with skin, eyes and clothing. do not put product contaminated rags into workwear pockets. wash hands before breaks and immediately after handling the product. if on skin:wash skin with soap and water. remove contaminated clothing and shoes. gloves must be periodically inspected and changed in case of wear, perforations or contaminations. provide regular cleaning of equipment, work area and clothing. keep away from food, drink and animal feeding stuffs. ensure the application of strict rules of hygiene by the personnel exposed to the risk of contact with the product. use personal protective equipment as required. 7.2. conditions for safe storage, including any incompatibilities technical measures/storage storage area layout, tank design, equipment and operating procedures must comply with conditions the relevant european, national or local legislation. before entering storage tanks and commencing any operation in a confined area, check the atmosphere for oxygen content and flammability. if sulphur compounds are suspected to be present in the product, check the atmosphere for h2s content. take precautionary measures against static discharges. . ensure all equipment is electrically grounded before beginning transfer operations. storage installations should be designed with adequate bunds so as to prevent ground or water pollution in case of leaks or spills. do not remove the hazard labels of the containers (even if they are empty). . store the packed products (drums, samples, cans ...) in properly ventilated rooms, away version euuk quick-fds 18518-49229-00739-014122-2018-09-12-13:40:30page 8/17 sds:54247 diesel revision date:2018-07-19 version 5 from damp, heat and any potential source of ignition. . preferably keep in the original container. otherwise, reproduce all the statutory information from the labels onto the new container. . keep containers tightly closed and properly labelled. store separately from oxidising agents. . store in accordance with the particular national regulations. materials to avoid strong oxidising agents. strong acids. strong bases. (herbicides...). halogens. packaging material use only containers, seals, pipes, etc... made in a material suitable for use with aromatic hydrocarbons. recommended materials for containers, or container linings use mild steel, stainless steel. high density polyethylene (hdpe). some synthetic materials may be unsuitable for containers or container linings depending on the material specification and intended use. compatibility should be checked with the manufacturer. 7.3. specific use(s) section

disposal considerations 13.1. waste treatment methods waste from residues/unused dispose of in accordance with the european directives on waste and hazardous waste. products contaminated packaging empty containers may contain flammable or explosive vapours. do not cut, weld, bore, burn or incinerate emptied containers, unless they have been cleaned and declared safe. empty containers should be taken to an approved waste handling site for recycling or disposal. ewc waste disposal no according to the european waste catalogue, waste codes are not product specific, but application specific. waste codes should be assigned by the user based on the application for which the product was used. section

WELS

Fuels, diesel 500mg/m3 8hTWA OEL

Task Related Hazards & Controls



Before Controls: High Risk (16/25)



After Controls: Low Risk (4/25)



Hazard Description

H304: May be fatal if swallowed and enters airways

Controls In Place



P405 Store locked up



P501 Dispose of contents/container to.....

Emergency Controls In Place



P331 Do NOT induce vomiting



P301 + P310

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.



Before Controls: Medium Risk (12/25)



After Controls: Low Risk (3/25)



Hazard Description

H315: Causes skin irritation

Controls In Place



P264 Wash skin thoroughly after handling.



P501: P501 Dispose of contents/container to.....



P280: Wear protective gloves/protective clothing/eye protection/face protection.

Emergency Controls In Place



P362 Take off contaminated clothing and wash before reuse.



P332 + P313 IF SKIN irritation occurs: Get medical advice/attention.



P321 Specific treatment (see ... on this label)



P302 + P352 IF ON SKIN: wash with plenty of soap and water



Hazard Description
H332: Harmful if inhaled



Controls In Place



P271 Use only outdoors or in a well-ventilated area.



P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

Emergency Controls In Place



inhalation inhalation is unlikely because of the low vapour pressure of the substance at ambient temperature. exposure to vapours may however occur when the substance is handled at high temperatures with poor ventilation. in case of exposure to intense concentrations of vapours, fumes or spray, transport the person away from the contaminated zone, keep warm and allow to rest. immediately begin artificial respiration if breathing has ceased. call a physician immediately. if there is any suspicion of inhalation of h2s (hydrogen sulphide), rescuers must wear breathing apparatus, belt and safety rope, and follow rescue procedures. if not breathing, give artificial respiration. provision of oxygen may help. remove casualty to fresh air as quickly as possible. obtain medical advice for further treatment.



P340 Remove victim to fresh air and keep at rest in a position comfortable for breathing



P312 Call a POISON CENTER or doctor/physician if you feel unwell



Hazard Description
H351: Suspected of causing cancer



Controls In Place



P405 Store locked up



P501 Dispose of contents/container to....



P201 Obtain special instructions before use.



P260 Do not breathe dust/fume/gas/mist/vapours/spray.



Hazard Description
H411: Toxic to aquatic life with long lasting effects



Controls In Place



P273: Don't pour down drains



P273 Avoid release to the environment



P501 Dispose of contents/container to....

Emergency Controls In Place



P391 Collect spillage. Hazardous to the aquatic environment



Hazard Description
H226: Flammable liquid and vapour

Controls In Place

- P235 Keep cool.
- P243 Take precautionary measures against static discharge.
- P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.
- P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
- P501 Dispose of contents/container to.....
- P241 Use explosion-proof electrical/ventilating/lighting/.../equipment

Emergency Controls In Place

- P370 + P378 In case of fire: Use ... for extinction.
- P303 + P361 + P353
IF ON SKIN (or hair): Remove/Take off Immediately all contaminated clothing. Rinse SKIN with water/shower.



Hazard Description
General warning sign

Controls In Place

- P233 Keep container tightly closed.
- P403 Store in a well-ventilated place

General Controls & Emergency Controls

Controls In Place

- Wash your hands
- Wear a mask
- Wear protective gloves
- Wear safety footwear
- Wear protective clothing

Emergency Controls In Place

- Evacuation assembly point
- First aid

Health Surveillance

Section 4: FIRST AID MEASURES

4.1. Description of first aid measures

General advice

IN CASE OF SERIOUS OR PERSISTENT CONDITIONS, CALL A DOCTOR OR EMERGENCY MEDICAL CARE.
Before attempting to rescue casualties, isolate area from all potential sources of ignition including disconnecting electrical supply.
Ensure adequate ventilation and check that a safe, breathable atmosphere is present before entry into confined spaces.

Eye contact

Rinse thoroughly with plenty of water, also under the eyelids.
Check for and remove any contact lenses. Rinse eyes.
If eye irritation persists, consult a specialist.

Skin contact

Remove contaminated clothing and shoes. Wash skin with soap and water.
High pressure injection of the products under the skin may have very serious consequences even though no symptom or injury may be apparent.

In this case, the casualty should be sent immediately to hospital.
For minor thermal burns, cool the burn. Hold the burned area under cold running water for at least five minutes, or until the pain subsides. Wash off with soap and water.

Inhalation

Inhalation is unlikely because of the low vapour pressure of the substance at ambient temperature. Exposure to vapours may however occur when the substance is handled at high temperatures with poor ventilation. In case of exposure to intense concentrations of vapours, fumes or spray, transport the person away from the contaminated zone, keep warm and allow to rest.
Immediately begin artificial respiration if breathing has ceased. Call a physician immediately.
If there is any suspicion of inhalation of H₂S (hydrogen sulphide). Rescuers must wear breathing apparatus, belt and safety rope, and follow rescue procedures. If not breathing, give artificial respiration. Provision of oxygen may help. Remove casualty to fresh air as quickly as possible. Obtain medical advice for further treatment.

Ingestion

Give nothing to drink.
Do NOT induce vomiting. as there is high risk of aspiration. The fluid can enter the lungs and cause damage (chemical pneumonitis, potentially fatal).
Take victim immediately to hospital.
Do not wait for symptoms to develop.

Protection of first-aiders

CAUTION! First aid personnel must be aware of personal risk during rescue!. Use personal protective equipment. See Section 8 for more detail.

4.2. Most important symptoms and effects, both acute and delayed

Eye contact

May cause slight irritation.

Skin contact

May cause skin irritation and/or dermatitis.

Inhalation

Inhalation of vapours in high concentration may cause irritation of respiratory system. May cause central nervous system depression with nausea, headache, dizziness, vomiting, and incoordination.

Ingestion

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea. May cause central nervous system depression.
Harmful: If swallowed accidentally, the product may enter the lungs due to its low viscosity and lead to the rapid development of very serious inhalation pulmonary lesions (medical survey during 48 hours).

4.3. Indication of any immediate medical attention and special treatment needed

Notes to physician

Treat symptomatically.

Section 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media

Extinguishing media - small fires. Carbon dioxide (CO₂). Dry powder. Sand or earth.
Extinguishing media - large fires. Foam. Water fog (trained personnel only).

| | |
|---------------------------------------|--|
| Unsuitable Extinguishing Media | Do not use a solid water stream as it may scatter and spread fire. Simultaneous use of foam and water on the same surface is to be avoided as water destroys the foam. |
|---------------------------------------|--|

5.2. Special hazards arising from the substance or mixture

| | |
|-----------------------|---|
| Special hazard | Incomplete combustion and thermolysis may produce gases of varying toxicity such as carbon monoxide, carbon dioxide, various hydrocarbons, aldehydes and soot. These may be highly dangerous if inhaled in confined spaces or at high concentration. Vapours may form explosive mixtures with air. If sulphur compounds are present in appreciable amounts, combustion products may include also H ₂ S and SO _x (sulfur oxides) or sulfuric acid. |
|-----------------------|---|

5.3. Precautions for fire-fighters

| | |
|---|---|
| Special protective equipment for fire-fighters | In case of a large fire or in confined or poorly ventilated spaces, wear full fire resistant protective clothing and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |
|---|---|

| | |
|--------------------------|--|
| Other information | Cool down any tanks and surfaces exposed to fire by spraying abundantly with water. Use water to cool tanks and parts exposed to the thermal flux not caught up in the flames. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Cool containers / tanks with water spray. |
|--------------------------|--|



Task Risk Assessment

With COSHH Compliance

Before Controls **MEDIUM RISK 9** After Controls **LOW RISK 3**

| | | | |
|-----------------|-----------------------------|-------------|---------------|
| Task Title | Using: DIESEL EXHAUST FUMES | | |
| Location | Piling Discipline | | |
| Assessed On | 09/03/2021 | Assessed By | Tom Bannister |
| Review Date | 09/03/2023 | Reference | RA964085 |
| Signed By | Tom Bannister | Revision | 1 |
| People Affected | Operators, Employees | | |

Hazards



PPE



Task/Procedure/Method Statement

Using: DIESEL EXHAUST FUMES

General operation of plant/rigs when machinery running on site during piling operations

| Activities | Method | Area | Exposure |
|---------------|-------------------|---------|------------------------|
| Act No. 48 | Indirect Exposure | Outside | 4 to 8 hours per shift |

Substance Information

| | | |
|--------------------------|-----------------|----------------|
| Product Name | Manufacturer | Hazard Symbols |
| DIESEL EXHAUST FUMES () | Roger Bullivant | |

Regulatory Statements

H350: May cause cancer

| Application Method | Application Area | Frequency Of Use | Quantity Used | Duration Use |
|--------------------|------------------|------------------|---------------|---------------------|
| Indirect Exposure | outside | Daily | | 1/2 hours per shift |

Spillage, Storage & Waste

WELS

Carbon monoxide 20 ppm 8hr 100 ppm STEL, Nitrogen dioxide:0.5ppm 8hr 1ppm 15m WEL. Carbon di*9150mg/m3TWA 27400mg/m3STELWEL

Task Related Hazards & Controls



Hazard Description

Danger by Inhalation substance material chemical breathe inhale



Before Controls: Medium Risk (9/25)



After Controls: Low Risk (3/25)



Hazard Description

H350 May cause cancer

Controls In Place



P201 Obtain special instructions before use.



P281 Use personal protective equipment as required



P202 Do not handle until all safety precautions have been read and understood.

Emergency Controls In Place



P308 + P313 IF exposed or concerned: Get medical advice/attention.

General Controls & Emergency Controls

Controls In Place



Use Barriers



Wear eye protection



Wear protective clothing



Wear protective gloves



FILTER TYPE ABEK2P3



CARBON MONOXIDE



Use local extraction

Emergency Controls In Place



First aid

Health Surveillance

FIRST AID

Inhalation - remove to fresh air and rest After a significant exposure or if feeling unwell call for medical assistance immediately If feeling unwell consult your doctor immediately

Eye - irrigate with water for at least 15 minutes

Skin - wash with soap/cleanser and rinse with water If irritation persists then consult a doctor



Task Risk Assessment

With COSHH Compliance

Before Controls

MEDIUM
9
RISK

After Controls

LOW
3
RISK

| | | | |
|------------------------|------------------------------|--------------------|---------------|
| Task Title | Using: Taurus SHPD E7 15W-40 | | |
| Location | Piling Discipline | | |
| Assessed On | 14/12/2020 | Assessed By | Tom Bannister |
| Review Date | 14/12/2022 | Reference | RA964512 |
| Signed By | Tom Bannister | Revision | 1 |
| People Affected | Operators, Employees | | |

Hazards



PPE



Task/Procedure/Method Statement


Using: Taurus SHPD E7 15W-40

Used during general maintenance and servicing of plant, rigs and machinery. Used daily on site for maintenance and upkeep of plant/rigs following daily checks.

Activities

| Act No. | Method | Area | Exposure |
|---------|-----------|------------------------|--------------------------|
| 1 | Decanting | Inside Well Ventilated | 1/2 to 2 hours per shift |
| 2 | Decanting | Outside | 1/2 to 2 hours per shift |

Substance Information

| | | |
|--------------------------------|---------------------|---|
| Product Name | Manufacturer | Hazard Symbols |
| Taurus SHPD E7 15W-40 (M363) | Exol |  |

Regulatory Statements

| | |
|---|--|
| P302+352: IF ON SKIN: Wash with soap and water | p302+: p 352 if on skin:wash with plenty of water |
| P333+313: If skin irritation or a rash occurs: Get medical advice/attention | P370+378: In case of fire: Use ??please see SDS?? for extinction |
| P403+235: Store in a well ventilated place. Keep cool | |

| Application Method | Application Area | Frequency Of Use | Quantity Used | Duration Use |
|--------------------|--------------------------------|------------------|---------------|--------------------------|
| Decanting | Outside/Inside Well Ventilated | Daily | 20 Litres | 1/2 to 2 hours per shift |

Spillage, Storage & Waste

accidental release measures

6.1 personal precautions, protective immediately evacuate all personnel from danger area. wear personal protective equipment and emergency equipment. eliminate all sources of heat, sparks, pilot lights, static electricity and open procedures flames. spilled material may make surfaces slippery. 6.2 environmental precautions protect drains from potential spills to minimise contamination. do not wash product into drainage system. in the case of large spills contact the appropriate authorities. in the case of spillage on water, prevent the spread of product by the use of suitable barrier equipment. recover product from the surface. protect environmentally sensitive areas and water supplies. 6.3 methods and material for absorb into dry earth or sand. protect drains using drain covers. dispose of as containment and cleaning up hazardous waste. 6.4 reference to other sections personal protective equipment:see section 8 section

handling and storage

7.1 precautions for safe handling avoid contact with eyes. if splashing is likely to occur wear a full face visor or chemical goggles as appropriate. avoid frequent or prolonged skin contact with fresh or used product. good working practices, high standards of personal hygiene and plant cleanliness must be maintained at all times. wash hands thoroughly after contact. use disposable cloths and discard when soiled. do not put soiled cloths into pockets. use a suitable barrier cream at regular intervals. 7.2 conditions for safe storage, keep out of the reach of children. including any incompatibilities store under cover away from heat and sources of ignition. 7.3 specific end use(s) intended for use as an automotive engine crankcase lubricant. section

disposal considerations

13.1 waste treatment methods where possible, arrange for product to be recycled. dispose of via an authorised person/licensed waste disposal contractor in accordance with local regulations. incineration may be carried out under controlled conditions provided that local regulations for emissions are met. issue:6 page 3 of 4 taurus shpd e7 15w-40safety data sheet section

Task Related Hazards & Controls



Before Controls: Medium Risk (9/25)



After Controls: Low Risk (3/25)



Hazard Description
General warning sign

Controls In Place



Wash your hands



Use barrier cream



Wear eye protection



No eating or drinking



Wear protective gloves



Wear protective clothing



PP403 + P235 Store in a well-ventilated place. Keep cool.

General Controls & Emergency Controls

Controls In Place



Wash your hands



Wear protective clothing



Wear protective gloves



Wear eye protection

Emergency Controls In Place



First aid

Health Surveillance

SECTION 4 FIRST AID MEASURES

4.1 Description of first aid measures

- Inhalation** If inhalation of mists, fumes or vapour causes irritation to the nose or throat, or coughing, remove to fresh air. If symptoms persist obtain medical advice.
- Eyes** Wash eye thoroughly with copious quantities of water, ensuring eyelids are held open. Obtain medical advice if any pain or redness develops or persists.
- Skin** Wash skin thoroughly with soap and water as soon as reasonably practicable. Remove heavily contaminated clothing and wash underlying skin.
- Ingestion** If contamination of the mouth occurs, wash out thoroughly with water. Except as a deliberate act, the ingestion of large amounts of product is unlikely. If it should occur, do not induce vomiting; obtain medical advice.

4.2 Most important symptoms and effects, both acute and delayed No ill effects known

4.3 Indication of immediate medical attention and special treatment needed, if necessary Eye contact: immediately wash out with plenty of water

SECTION 5 FIRE-FIGHTING MEASURES

5.1 Extinguishing media Foam, dry powder or water fog. Water can be used to cool and protect exposed material.

5.2 Specific hazards arising from the substance or mixture Toxic fumes may be evolved on burning or exposure to heat. See Stability and Reactivity, Section 10 of this Safety Data Sheet.

5.3 Advice for fire-fighters Wear self-contained breathing apparatus. Water may cause splattering.



Task Risk Assessment

With COSHH Compliance

| | | |
|-----------------|----------------------|----------------|
| Before Controls | MEDIUM 12 RISK | After Controls |
| | LOW 3 RISK | |

| | | | |
|-----------------|-------------------------|-------------|---------------|
| Task Title | Using: Hydraulic Oil 46 | | |
| Location | Piling Discipline | | |
| Assessed On | 14/12/2020 | Assessed By | Tom Bannister |
| Review Date | 14/12/2022 | Reference | RA964471 |
| Signed By | Tom Bannister | Revision | 1 |
| People Affected | Operators, Employees | | |

Hazards



PPE



Task/Procedure/Method Statement


Using: Hydraulic Oil 46

used during regular maintenance/servicing of machinery & plant and also on a daily basis on site to keep plant in good working order between regular servicing and maintenance.

Activities

| Act No. | Method | Area | Exposure |
|---------|-----------|------------------------|--------------------------|
| 1 | Decanting | Inside Well Ventilated | 1/2 to 2 hours per shift |
| 2 | Decanting | Outside | 1/2 to 2 hours per shift |

Substance Information

| | | | | |
|--|-----------------------------|---|--------------------------|--|
| Product Name Hydraulic Oil 46 (P8060) | Manufacturer Pirtek | Hazard Symbols  | | |
| Application Method Decanting | Application Area Outside | Frequency Of Use Daily | Quantity Used 1 litre | Duration Use Up to 1/2 hour per shift |

Spillage, Storage & Waste

SECTION 8: Accidental release measures

8.1. Personal precautions, protective equipment and emergency procedures

Personal precautions For personal protection, see Section 8. In case of spills, beware of slippery floors and surfaces.

8.2. Environmental precautions

Environmental precautions Contain spillage with sand or earth. Avoid the spillage or runoff entering drains, sewers or watercourses. The product is insoluble in water and will spread on the water surface.

8.3. Methods and material for containment and cleaning up

Methods for cleaning up Contain spillage with sand or earth. Collect spillage for reclamation or disposal in sealed containers via a licensed waste contractor. Avoid water contacting spilled material or leaking containers. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body. In case of spillage on water prevent the spread by use of suitable barrier equipment

8.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. See Section 11 for additional information on health hazards. For waste disposal, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid spilling. Always remove oil with soap and water or skin cleaning agent, never use organic solvents. Do not use oil-contaminated clothing or shoes, and do not put rags moistened with oil into pockets.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place.

Storage class Miscellaneous hazardous material storage.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

WELS

Distillates (petroleum), solvent-dewaxed heavy paraffinic 1200mg/m3 8hTWA OEL

Task Related Hazards & Controls



Hazard Description

Waste/Spillage substance material chemical environmental environment

Before Controls: Medium Risk (12/25)



REQUIRED CONTROLS

After Controls: Low Risk (3/25)



Controls In Place



Don't pour down drains



Hazard Description
 Danger by Ingestion substance material
 chemical swallow ingest

Controls In Place



Wear eye protection



No eating or drinking



Wear protective gloves



Wear protective clothing

Emergency Controls In Place



First aid



Hazard Description
 Danger by Eye Contact substance material
 chemical splash

Controls In Place



Wear eye protection



Wear protective gloves



Wear protective clothing

Emergency Controls In Place



First aid



Eyewash station



Hazard Description
 Danger by absorption substance material
 chemical skin contact absorb

Controls In Place



Wash your hands



Wear eye protection



Wear protective gloves



Wear protective clothing

Emergency Controls In Place



First aid

General Controls & Emergency Controls

Controls In Place



Wear protective clothing



Wear eye protection



Wash your hands



Wear protective gloves

Emergency Controls In Place



First aid



Eyewash station

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|----------------------------|---|
| General Information | Get medical attention if any discomfort continues. |
| Inhalation | If spray/mist has been inhaled, proceed as follows. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues. |
| Ingestion | Get medical attention if any discomfort continues. Do not induce vomiting. |
| Skin contact | Remove contaminated clothing immediately and wash skin with soap and water. |
| Eye contact | Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention promptly if symptoms occur after washing. |

4.2. Most important symptoms and effects, both acute and delayed

| | |
|----------------------------|--|
| General Information | If aspiration into the lungs is suspected, eg when vomiting, admit to hospital immediately. |
| Inhalation | Upper respiratory irritation. |
| Ingestion | May cause discomfort if swallowed. The product contains mineral oil, which if aspirated into the lungs through vomiting after ingestion, may result in chemical pneumonia. |
| Skin contact | Prolonged contact may cause redness, irritation and dry skin. |
| Eye contact | Irritation of eyes and mucous membranes. |

4.3. Indication of any immediate medical attention and special treatment needed

| | |
|-----------------------------|------------------------|
| Notes for the doctor | Treat symptomatically. |
|-----------------------------|------------------------|

SECTION 5: Firefighting measures

5.1. Extinguishing media

| | |
|---------------------------------------|--|
| Suitable extinguishing media | Extinguish with foam, carbon dioxide, dry powder or water fog. |
| Unsuitable extinguishing media | Do not use water jet as an extinguisher, as this will spread the fire. |

5.2. Special hazards arising from the substance or mixture

| | |
|--------------------------------------|--|
| Specific hazards | Heat from fire could result in drums bursting |
| Hazardous combustion products | Protection against nuisance dust must be used when the airborne concentration exceeds 10 mg/m ³ . Oxides of carbon. Oxides of nitrogen. Fire may also create other unidentified organic gases some of which may be toxic. |

5.3. Advice for firefighters

| | |
|--|--|
| Protective actions during firefighting | Control run-off water by containing and keeping it out of sewers and watercourses. |
| Special protective equipment for firefighters | Wear self-contained breathing apparatus. |



Task Risk Assessment

With COSHH Compliance

Before Controls **HIGH RISK** 16

After Controls **MEDIUM RISK** 6

| | | | |
|-----------------|----------------------|-------------|---------------|
| Task Title | Using: USED OIL | | |
| Location | UMP discipline | | |
| Assessed On | 13/01/2021 | Assessed By | Tom Bannister |
| Review Date | 13/01/2023 | Reference | RA964856 |
| Signed By | Tom Bannister | Revision | 1 |
| People Affected | Operators, Employees | | |

Hazards



PPE



Task/Procedure/Method Statement

Using: USED OIL

Activities

| Act No. | Method | Area | Exposure |
|---------|---------|------------------------|--------------------------|
| 18 | Filling | Inside Well Ventilated | Up to 1/2 hour per shift |
| 19 | Filling | Outside | Up to 1/2 hour per shift |

Substance Information

Product Name

USED OIL (81451)

Manufacturer

Safety Kleen

Hazard Symbols



Regulatory Statements

| | |
|---|---|
| H300: Fatal if swallowed | H304: May be fatal if swallowed and enters airways |
| H335: May cause respiratory irritation | H360: May damage fertility or the unborn child |
| H370: Causes damage to organs | P201: Obtain special instructions before use |
| P233: Keep container tightly closed | P271: Use only outdoors or in a well-ventilated area |
| P272: Contaminated work clothing should not be allowed out of the workplace | P280: Wear protective gloves/protective clothing/eye protection/face protection |
| P284: Wear respiratory protection | P301: IF SWALLOWED: ??please see SDS?? |
| P304: IF INHALED: ??please see SDS?? | P305: IF IN EYES: ??please see SDS?? |
| P307+311: if exposed:call a poison center or doctor/physician | P308: IF exposed or concerned: ??please see SDS?? |
| P311: Call a POISON CENTER or doctor/physician | P313: Get medical advice/attention |
| P331: Do NOT induce vomiting | P332+313:if skin irritation occurs, get medical advice/attention |
| P337: If eye irritation persists: ??please see SDS?? | P342: If experiencing respiratory symptoms: ??please see SDS?? |
| P351: Rinse continuously with water for several minutes | P362: Take off contaminated clothing and wash before reuse |
| P405: Store locked up | |

| Application Method | Application Area | Frequency Of Use | Quantity Used | Duration Use |
|--------------------|--------------------------------|------------------|---------------|--------------------------|
| Filling | Inside Well Ventilated/Outside | Daily | 30 litres | Up to 1/2 hour per shift |

Spillage, Storage & Waste

accidental release measures

personal precautions, protective equipment and emergency procedures wear personal protective clothing and equipment, see section 8. avoid release to the environment. methods and materials for containment and cleaning up remove all ignition sources. do not touch or walk through spilled product. stop leak if you can do it without risk. wear protective equipment and provide engineering controls as specified in section 8:exposure controls/personal protection. isolate hazard area. keep unnecessary and unprotected personnel from entering. ventilate area and avoid breathing vapor or mist. a vapor suppressing foam may be used to reduce vapors. contain spill away from surface water and sewers. contain spill as a liquid for possible recovery. or sorb with compatible sorbent material and shovel with a clean, sparkproof tool into a sealable container for disposal. additionally, for large spills:water spray may reduce vapor, but may not prevent ignition in closed spaces. dike far ahead of liquid spill for collection and later disposal. there may be specific federal regulatory reporting requirements associated with spills, leaks, or releases of this product. also see section 15:regulatory information. section 7-

handling and storage

precautions for safe handling keep away from sparks or flame. where flammable mixtures may be present, equipment safe for such locations should be used. use clean tools and explosion-proof equipment. when transferring large volumes of product, metal containers, including trucks and tank cars, should be grounded and bonded. this product has a low vapor pressure and is not expected to present an inhalation hazard under normal temperatures and pressures. however, when aerosolizing, misting, or heating this product, do not breathe vapor or mist. use in a well ventilated area. avoid contact with eyes skin clothing shoes. conditions for safe storage, including any incompatibilities keep container tightly closed when not in use and during transport. store containers in a cool, dry place. do not pressurize, cut, weld, braze, solder, drill, or grind containers. keep containers away from flame or other sources of ignition. empty product containers may retain product residue and can be dangerous. incompatible materials acids, alkalis, oxidizing agents, reducing agents, halogens, or reactive metals. page 4 of 14 1/17safety data sheet material name:used oil sds id:81451 section 8-

disposal considerations

disposal methods dispose in accordance with all applicable federal, state/regional and local laws and regulations. regulations may also apply to empty containers. the responsibility for proper waste disposal lies with the owner of the waste. contact safety-kleen regarding proper recycling or disposal. section 14-

WELS

Highly refined mineral oil (IP 346 DMSO extract < 3 percent) 5mg/m3 8hTWA 10mg/m3 15mSTEL OEL

Task Related Hazards & Controls



Hazard Description
H300: Fatal if swallowed

Before Controls: High Risk (16/25)



After Controls: Low Risk (4/25)



Controls In Place



P405 Store locked up



P233 Keep container tightly closed.



P501 Dispose of contents/container to.....



P270 Do not eat, drink or smoke when using this product.



P405: P405 Store locked up



P264 Wash skin thoroughly after handling.



P271 Use only outdoors or in a well-ventilated area.

Emergency Controls In Place



P331 Do NOT induce vomiting



P330 Rinse mouth



P304: P304 IF INHALED



P301 + P310

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.



Hazard Description
H335: May cause respiratory irritation

Before Controls: Medium Risk (12/25)



After Controls: Medium Risk (6/25)



Controls In Place



P405 Store locked up



P271 Use only outdoors or in a well-ventilated area.



P501 Dispose of contents/container to.....



P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

Emergency Controls In Place



P313: P313 Get medical advice/attention



P312 Call a POISON CENTER or doctor/physician if you feel unwell



P304 + P340

IF INHALED: Remove victim to fresh air and Keep at rest in a position comfortable for breathing.



Hazard Description

H360: May damage fertility or the unborn child

Controls In Place



P405 Store locked up



P405: P405 Store locked up



P501 Dispose of contents/container to.....



P264 Wash hands thoroughly after handling.



P201 Obtain special instructions before use.



P260 Do not breathe dust/fume/gas/mist/vapours/spray



P270 Do not eat, drink or smoke when using this product

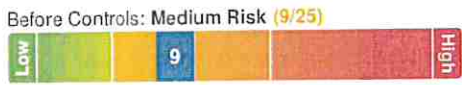
Emergency Controls In Place



P308+313: P308 + P313 IF exposed or concerned: Get medical advice/attention.



P307 + P311 IF exposed: call a POISON CENTER or doctor/physician.



Hazard Description

General warning sign

Controls In Place



P272 Contaminated work clothing should not be allowed out of the workplace.



Hazard Description

Danger by skin contact

Emergency Controls In Place



P362 Take off contaminated clothing and wash before reuse.



P342 + P311 IF experiencing respiratory symptoms: call a POISON CENTER or doctor/physician.

General Controls & Emergency Controls

Controls In Place



POLYTHENE OR NITRILE



Use local extraction



Wash your hands



FILTER TYPE A2



Wear protective clothing



Use Barriers



BS EN166

Emergency Controls In Place



First aid

Section 4 - FIRST AID MEASURES

Inhalation

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. If breathing is difficult, oxygen should be administered by qualified personnel.

Skin

IF ON SKIN: Gently wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.

Eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.

Ingestion

IF SWALLOWED: Do NOT induce vomiting. Immediately get medical attention. Call 1-800-468-1760 for additional information. If spontaneous vomiting occurs, keep head below hips to avoid breathing the product into the lungs. Never give anything by mouth to an unconscious person.

Most Important Symptoms/Effects

Acute

May be fatal if swallowed and enters airways. Causes skin irritation and eye irritation. May cause allergic skin reactions. May cause asthma, allergic reactions, respiratory tract irritation, central nervous system depression. Causes damage to kidneys, central nervous system, lungs.

Delayed

May damage fertility or the unborn child. May cause cancer and mutagenic effects.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically and supportively. Treatment may vary with condition of victim and specifics of incident. Call 1-800-468-1760 for additional information.

Section 5 - FIRE FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Carbon dioxide, regular foam, dry chemical, water spray, or water fog.

Unsuitable Extinguishing Media

Do not use high-pressure water streams.

Special Hazards Arising from the Chemical

Fire may produce irritating, poisonous and/or corrosive fumes. Vapors may cause drowsiness and dizziness. Containers may rupture or explode if exposed to heat. Empty product containers may retain product residue and can be dangerous. Product is not sensitive to mechanical impact or static discharge.

Hazardous Combustion Products

Burning may produce Oxides of carbon, oxides of nitrogen, oxides of metal, oxides of chlorine, Phosgene, miscellaneous decomposition products.

Fire Fighting Measures

Keep storage containers cool with water spray. Move container from fire area if it can be done without risk.

Special Protective Equipment and Precautions for Firefighters

A positive-pressure, self-contained breathing apparatus (SCBA) and full-body protective equipment are required for fire emergencies.



Task Risk Assessment

With COSHH Compliance

| | | | |
|-----------------|--------------------|----------------|------------------|
| Before Controls | HIGH 16 RISK | After Controls | LOW 3 RISK |
| | | | |

| | | | |
|------------------------|----------------------------|--------------------|---------------|
| Task Title | Using: CHAIN & DRIVE SPRAY | | |
| Process Title | spraying | | |
| Location | Piling Discipline | | |
| Assessed On | 11/12/2020 | Assessed By | Tom Bannister |
| Review Date | 11/12/2022 | Reference | RA964060 |
| Signed By | Tom Bannister | Revision | 1 |
| People Affected | Operators, Employees | | |

Hazards



PPE



Task/Procedure/Method Statement

Using: CHAIN & DRIVE SPRAY

Used during daily/weekly inspections of transport vehicles and trailers

Activities

| Act No. | Method | Area | Exposure |
|---------|--------------------|---------|--------------------------|
| 3 | Spraying (Aerosol) | Outside | Up to 1/2 hour per shift |

Substance Information

Product Name

CHAIN & DRIVE SPRAY ()

Manufacturer

ROCOL

Hazard Symbols



Regulatory Statements

H223: Flammable material

H229 : Pressurised container: May burst if heated

H336: May cause drowsiness or dizziness

H412: Harmful to aquatic life with long lasting effects

P210: Keep away from heat/sparks/open flames/hot surfaces - No smoking

P211: Do not spray on an open flame or other ignition source

P251: Pressurized container – Do not pierce or burn, even after use

P271: Use only outdoors or in a well-ventilated area

P410+412: Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F

| Application Method | Application Area | Frequency Of Use | Quantity Used | Duration Use |
|--------------------|------------------|------------------|---------------|--------------------------|
| Spraying (Aerosol) | Outside | Daily | 100ml | Up to 1/2 hour per shift |

Spillage, Storage & Waste

accidental release measures

- personal precautions, protective equipment and emergency procedures personal precautions:refer to section 8 of sds for personal protection details. if outside do not approach from downwind. if outside keep bystanders upwind and away from danger point. mark out the contaminated area with signs and prevent access to unauthorised personnel. turn leaking containers leak-side up to prevent the escape of liquid.
- environmental precautions environmental precautions:do not discharge into drains or rivers. contain the spillage using bunding.
- methods and material for containment and cleaning up clean-up procedures:absorb into dry earth or sand. transfer to a closable, labelled salvage container for disposal by an appropriate method.
- reference to other sections reference to other sections:refer to section 8 of sds. section

handling and storage

- precautions for safe handling handling requirements: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.
- conditions for safe storage, including any incompatibilities storage conditions:store in a cool, well ventilated area. keep away from direct sunlight. suitable packaging:must only be kept in original packaging.
- specific end use(s) specific end use(s):no data available, section

disposal considerations cont...

- waste treatment methods disposal operations:transfer to a suitable container and arrange for collection by specialised disposal company. recovery operations:no data available waste code number:16 05 05 disposal of packaging:dispose of in a regulated landfill site or other method for hazardous or toxic wastes. nb:the user s attention is drawn to the possible existence of regional or national regulations regarding disposal. section

WELS

Distillates (petroleum), hydrotreated light 1000mg/m3 8hTWA OEL, Carbon dioxide 9150mg/m3 8hTWA 5000mg/m3 8hTWA 27400mg/m3 15mSTEL 15000ppm 15mSTEL WEL, Distillates (petroleum), hydrotreated heavy naphthenic 1200mg/m3 8hTWA OEL, Amines, C12-14-tert-alkyl 1ppm 8hTWA 2.5ppm 15mSTEL OEL, Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics 800mg/m3 8hTWA OEL

Task Related Hazards & Controls



Hazard Description

H223: Flammable material

Before Controls: High Risk (16/25)



After Controls: Low Risk (2/25)



Controls In Place



P410 Protect from sunlight.



P412 Do not expose to temperatures exceeding 50 °C/122 °F.



P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.



P211 Do not spray on an open flame or other ignition source.



P251 Pressurized container: Do not pierce or burn, even after use.



Before Controls: High Risk (16/25)



After Controls: Low Risk (2/25)



Hazard Description

H336: May cause drowsiness and dizziness

Controls In Place



P405 Store locked up



P271 Use only outdoors or in a well-ventilated area.



P403 + P233 Store in a well-ventilated place. Keep container tightly closed.



P501 Dispose of contents/container to.....



P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

Emergency Controls In Place



P312 Call a POISON CENTER or doctor/physician if you feel unwell.

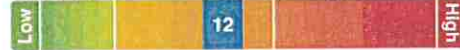


P304 + P340

IF INHALED: Remove victim to fresh air and Keep at rest in a position comfortable for breathing.



Before Controls: Medium Risk (12/25)



After Controls: Low Risk (3/25)



Hazard Description

H412: Harmful to aquatic life with long lasting effects

Controls In Place



P273 Avoid release to the environment.



P501 Dispose of contents/container to.....

General Controls & Emergency Controls

Controls In Place



Wear eye protection



Wear protective clothing



Wash your hands



POLYTHENE OR NITRIL

Emergency Controls In Place



First aid

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.

Ingestion: Wash out mouth with water. Consult a doctor.

Inhalation: Remove casually from exposure ensuring one's own safety whilst doing so. Consult a doctor.

4.2. Most important symptoms and effects, both acute and delayed

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

Delayed / Immediate effects: Immediate effects can be expected after short-term exposure.

4.3. Indication of any immediate medical attention and special treatment needed

Immediate / special treatment: Eye bathing equipment should be available on the premises.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.



Task Risk Assessment

With COSHH Compliance

| | | |
|-----------------|----------------------------------|----------------|
| Before Controls | HIGH 16 RISK | After Controls |
| | LOW 5 RISK | |

| | | | |
|------------------------|--|--------------------|---------------|
| Task Title | Using: WD-40 Multi-Use Product Aerosol | | |
| Location | Roger Bullivant Limited | | |
| Assessed On | 26/01/2021 | Assessed By | Tom Bannister |
| Review Date | 26/01/2023 | Reference | RA957979 |
| Signed By | Tom Bannister | Revision | 2 |
| People Affected | Operators, Employees, Contractors | | |

Hazards



PPE



Task/Procedure/Method Statement

Using: WD-40 Multi-Use Product Aerosol

Substance Information

| | | |
|-------------------------------------|---------------------|-----------------------|
| Product Name | Manufacturer | Hazard Symbols |
| WD-40 Multi-Use Product Aerosol () | WD 40 Company | |

Regulatory Statements

| | |
|--|---|
| H280: Contains gas under pressure; may explode if heated | H300: Fatal if swallowed |
| H304: May be fatal if swallowed and enters airways | H336: May cause drowsiness or dizziness |
| P211: Do not spray on an open flame or other ignition source | P271: Use only outdoors or in a well-ventilated area |
| P301: IF SWALLOWED: ??please see SDS?? | P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing |
| p304+: p 340 if inhaled:remove victim to fresh air and keep at rest in a position comfortable forbreathing | P304: IF INHALED: ??please see SDS?? |
| P403+233 : store in a well ventilated place | P331: Do NOT induce vomiting |
| P403+235: Store in a well ventilated place. Keep cool | P403+233: Store in a well ventilated place. Keep container tightly closed |
| p403+p233+p405+p273+p391: store in a well-ventilated place | P403+235: store in a well-ventilated place |
| P405: Store locked up | p403+p405+p273+p391 +p406: store in a well-ventilated place |
| P410+412 : protect from sunlight | P410+412 : protect from sunlight |
| P410: Protect from sunlight | P410+412: Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F |

| Application Method | Application Area | Frequency Of Use | Quantity Used | Duration Use |
|--------------------|------------------|------------------|---------------|---------------------------|
| aerosol | Plant | Monthly | 10 | up to half hour per shift |

Spillage, Storage & Waste

accidental release measures personal precautions, protective equipment and emergency procedures:wear appropriate protective clothing (see section 8). eliminate all sources of ignition and ventilate area. methods and materials for containment/cleanup:leaking cans should be placed in a plastic bag or open pail until the pressure has dissipated. contain and collect liquid with an inert absorbent and place in a container for disposal. clean spill area thoroughly. report spills to authorities as required. page 2 of 5

handling and storage precautions for safe handling:avoid contact with eyes. avoid prolonged contact with skin. avoid breathing vapors or aerosols. use only with adequate ventilation. keep away from heat, sparks, pilot lights, hot surfaces and open flames. unplug electrical tools, motors and appliances before spraying or bringing the can near any source of electricity. electricity can burn a hole in the can and cause contents to burst into flames. to avoid serious burn injury. do not let the can touch battery terminals, electrical connections on motors or appliances or any other source of electricity. wash thoroughly with soap and water after handling. keep containers closed when not in use. keep out of the reach of children. do not puncture, crush or incinerate containers, even when empty. conditions for safe storage:store in a cool, well-ventilated area, away from incompatible materials. do not store above 120 f or in direct sunlight. u.f.c (nfpa 30b) level 3 aerosol. store away from oxidizers.

Task Related Hazards & Controls



Before Controls: Medium Risk (12/25)



After Controls: Low Risk (4/25)



Hazard Description

H280: Contains gas under pressure; may explode if heated

Controls In Place



P410 Protect from sunlight.



P403 Store in a well-ventilated place



Before Controls: High Risk (15/25)



After Controls: Low Risk (5/25)



Hazard Description

H300: Fatal if swallowed

Controls In Place



P405 Store locked up



P405: P405 Store locked up



P264 Wash skin thoroughly after handling.



P501 Dispose of contents/container to.....



P270 Do not eat, drink or smoke when using this product.



P271: P271 Use only outdoors or in a well-ventilated area.

Emergency Controls In Place



P331 Do NOT induce vomiting



P330 Rinse mouth



P304: P304 IF INHALED



P301 + P310

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.



Before Controls: High Risk (16/25)



After Controls: Low Risk (4/25)



Hazard Description

H336: May cause drowsiness and dizziness

Controls In Place



P405 Store locked up



P501 Dispose of contents/container to.....



P271 Use only outdoors or in a well-ventilated area.



P261 Avoid breathing dust/fume/gas/mist/vapours/spray.



P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

Emergency Controls In Place



P312 Call a POISON CENTER or doctor/physician if you feel unwell.



P304: P304 IF INHALED



P304 + P340

IF INHALED: Remove victim to fresh air and Keep at rest in a position comfortable for breathing.



Before Controls: Medium Risk (9/25)



After Controls: Low Risk (2/25)



Hazard Description
Risk of fire or explosion

Controls In Place



No smoking



P211 Do not spray on an open flame or other ignition source.



No open flame; Fire, open ignition source and smoking prohibited

Emergency Controls In Place



Fire extinguisher



Fire alarm call point



Before Controls: Medium Risk (9/25)



After Controls: Low Risk (1/25)



Hazard Description
General warning sign

Controls In Place



P410 Protect from sunlight.



P233 Keep container tightly closed.



P403 Store in a well-ventilated place



PP403 + P235 Store in a well-ventilated place. Keep cool.



P412 Do not expose to temperatures exceeding 50 °C/ 122 °F.

General Controls & Emergency Controls

Controls In Place



Keep locked



No open flame; Fire, open ignition source and smoking prohibited



Wear eye protection



Wear protective clothing



No smoking



Wash your hands

Emergency Controls In Place



Fire alarm call point



Evacuation assembly point



No smoking



Fire extinguisher



First aid

Health Surveillance

Inhalation - remove to fresh air; get immediate medical attention after significant exposure or if feeling ill

Ingestion - do not induce vomiting, wash out mouth with water

If feeling unwell consult your doctor immediately

Eye - irrigate with water until irritation subsides; if irritation persists then consult a doctor

Skin - wash with soap/cleanser and rinse with water; if irritation persists then consult a doctor



Task Risk Assessment

With COSHH Compliance

| | | | |
|-----------------|--------------------|------------------|----------------|
| Before Controls | HIGH 16 RISK | LOW 4 RISK | After Controls |
|-----------------|--------------------|------------------|----------------|

| | | | |
|------------------------|-----------------------------------|--------------------|---------------|
| Task Title | Using: BP Premium Unleaded Petrol | | |
| Location | Piling Discipline | | |
| Assessed On | 14/12/2020 | Assessed By | Tom Bannister |
| Review Date | 14/12/2022 | Reference | RA964458 |
| Signed By | Tom Bannister | Revision | 1 |
| People Affected | Operators, Employees | | |

Hazards



PPE



Task/Procedure/Method Statement

Using: BP Premium Unleaded Petrol

Filling Stihl saw out on site during operations

Activities

| Act No. | Method | Area | Exposure |
|---------|---------|---------|--------------------------|
| 71 | Filling | Outside | Up to 1/2 hour per shift |

Substance Information

Product Name

BP Premium Unleaded Petrol (0000002734)

Manufacturer

Interserve (Facilities Management) Ltd

Hazard Symbols



Regulatory Statements

H350: May cause cancer

P273: Avoid release to the environment

P331: Do NOT induce vomiting

| Application Method | Application Area | Frequency Of Use | Quantity Used | Duration Use |
|--------------------|------------------|------------------|---------------|--------------------------|
| Filling | Outside | Daily | 1 litre | Up to 1/2 hour per shift |

Spillage, Storage & Waste

accidental release measures personal precautions no action shall be taken involving any personal risk or without suitable training. evacuate surrounding areas. keep unnecessary and unprotected personnel from entering. do not touch or walk through spilt material. shut off all ignition sources. no flares, smoking or flames in hazard area. avoid breathing vapour or mist. provide adequate ventilation. wear appropriate respirator when ventilation is inadequate. put on appropriate personal protective equipment (see section 8). environmental precautions avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). water polluting material. may be harmful to the environment if released in large quantities. large spill stop leak if without risk. move containers from spill area. approach the release from upwind. prevent entry into sewers, water courses, basements or confined areas. wash spillages into an effluent treatment plant or proceed as follows. contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. use spark-proof tools and explosion-proof equipment. dispose of via a licensed waste disposal contractor. contaminated absorbent material may pose the same hazard as the spill product. small spill stop leak if without risk. move containers from spill area. dilute with water and mop up if water- soluble. alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. use spark-proof tools and explosion-proof equipment. dispose of via a licensed waste disposal contractor. 7 .

handling and storage handling put on appropriate personal protective equipment. avoid exposure-obtain special instructions before use. avoid exposure during pregnancy. do not get in eyes or on skin or clothing. do not swallow. aspiration hazard can enter lungs and cause damage. never siphon by mouth. avoid breathing vapour or mist. avoid contact of spilt material and runoff with soil and surface waterways. use only with adequate ventilation. wear appropriate respirator when ventilation is inadequate. keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. store and use away from heat, sparks, open flame or any other ignition source. use explosion-proof electrical (ventilating, lighting and material handling) equipment. use non-sparking tools. take precautionary measures against electrostatic discharges. do not reuse container. empty containers retain product residue and can be hazardous. storage store in a segregated and approved area. keep container in a cool, well-ventilated area. keep container tightly closed and sealed until ready for use. avoid all possible sources of ignition (spark or flame). store and use only in equipment/containers designed for use with this product. do not remove warning labels from containers. do not enter storage tanks without breathing apparatus unless the tank has been well ventilated and the tank atmosphere has been shown to contain hydrocarbon vapour concentrations of less than 1% of the lower flammability limit and an oxygen concentration of at least 20% volume. light hydrocarbon vapours can build up in the headspace of tanks. these can cause flammability/explosion hazards even at temperatures below the normal flash point (note:flash point must not be regarded as a reliable indicator of the potential flammability of vapour in tank headspaces). tank headspaces should always be regarded as potentially flammable and care should be taken to avoid static electrical discharge and all ignition sources during filling, ullaging and sampling from storage tanks. product name bp premium unleaded petrol product code 0000002734 page:2/6 version 3 date of issue 26 april 2012 format australia language english (australia) (english)when the product is pumped (e.g. during filling, discharge or ullaging) and when sampling, there is a risk of static discharge. ensure equipment used is properly earthed or bonded to the tank structure. if product comes into contact with hot surfaces, or leaks occur from pressurised fuel pipes, the vapour or mists generated will create a flammability or explosion hazard. product contaminated rags, paper or material used to absorb spillages, represent a fire hazard, and should not be allowed to accumulate. dispose of safely immediately after use. additional information-this product must be handled in compliance with australian standard:the storage and handling of storage flammable and combustible liquids standard 1940-2004 as amended and adapted . 8 .

disposal considerations disposal considerations/the generation of waste should be avoided or minimised wherever possible. empty containers or waste information liners may retain some product residues. this material and its container must be disposed of in a safe way. significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. dispose of surplus and non-recyclable products via a licensed waste disposal contractor. disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. special precautions for no additional special precautions identified. landfill or incineration 14 .

WELS

Benzene 3.25mg/m3 8hTWA 1ppm 8hTWA WEL, Gasoline- 1mg/m3 8hTWA WEL

Task Related Hazards & Controls



Hazard Description
H350: May cause cancer

Before Controls: **Medium Risk (9/25)**



After Controls: **Low Risk (3/25)**



Controls In Place



P405 Store locked up



P501 Dispose of contents/container to.....



P201 Obtain special instructions before use



Hazard Description
Danger to the environment

Before Controls: **Medium Risk (12/25)**



After Controls: **Low Risk (3/25)**



Controls In Place



Don't pour down drains



P273 Avoid release to the environment



Hazard Description
Danger by ingestion

Before Controls: **Medium Risk (12/25)**



After Controls: **Low Risk (2/25)**



Emergency Controls In Place



P331 Do NOT induce vomiting.



Hazard Description
Substance material chemical flammable fire

Before Controls: **High Risk (16/25)**



After Controls: **Low Risk (4/25)**



General Controls & Emergency Controls

Controls In Place



Wash your hands



Wear protective clothing



POLYTHENE OR VITON



Wear eye protection



Use Barriers

Emergency Controls In Place



First aid

4. First-aid measures

| | |
|---------------------|---|
| Eye contact | In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Check for and remove any contact lenses. Get medical attention if irritation occurs. |
| Skin contact | In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Drench contaminated clothing with water before removing. This is necessary to avoid the risk of sparks from static electricity that could ignite contaminated clothing. Contaminated clothing is a fire hazard. Contaminated leather, particularly footwear, must be discarded. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention. |
| Inhalation | Get medical attention immediately. If inhaled, remove to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. If exposure to vapour, mists or fumes causes drowsiness, headache, blurred vision or irritation of the eyes, nose or throat, remove immediately to fresh air. Keep patient warm and at rest. If any symptoms persist obtain medical advice. |
| Ingestion | Get medical attention immediately. Do not induce vomiting. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Aspiration hazard if swallowed. Can enter lungs and cause damage. |

5. Fire-fighting measures

| | |
|---|---|
| Extinguishing media | |
| Suitable | In case of fire, use water fog, foam, dry chemical or carbon dioxide extinguisher or spray. |
| Not suitable | Do not use water jet. |
| Hazardous decomposition products | Decomposition products may include the following materials: carbon oxides (CO, CO ₂) (carbon monoxide, carbon dioxide) |
| Unusual fire/explosion hazards | Extremely flammable liquid. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Runoff to sewer may create fire or explosion hazard. |
| Special fire-fighting procedures | Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain. Move containers from fire area if this can be done without risk. No action shall be taken involving any personal risk or without suitable training. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. This material is toxic to aquatic organisms. Use water spray to keep fire-exposed containers cool. |
| Protection of fire-fighters | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |
| Hazchem code | 3YE |



Task Risk Assessment

With COSHH Compliance

Before Controls **MEDIUM RISK** 12

After Controls **LOW RISK** 4

Task Title Using: 141 Q108 - LINEMARKER PAINT AEROSOL

Location UMP discipline

Assessed On 13/01/2021 **Assessed By** Tom Bannister

Review Date 13/01/2023 **Reference** RA964795

Signed By Tom Bannister **Revision** 1

People Affected Operators, Employees

Hazards



PPE



Task/Procedure/Method Statement

Using: 141 Q108 - LINEMARKER PAINT AEROSOL

Line Marking Spray for marking out areas

Activities

| Act No. | Method | Area | Exposure |
|---------|--------------------|---------|--------------------------|
| 17 | Spraying (Aerosol) | Outside | 1/2 to 2 hours per shift |

Substance Information

Product Name
141 Q108 - LINEMARKER PAINT AEROSOL
(141/Q108/ ALL COLOURS)

Manufacturer
COO-VAR

Hazard Symbols



Regulatory Statements

| | |
|---|---|
| H222: Extremely flammable material | H227: Combustible liquid |
| H319: Causes serious eye irritation | H336: May cause drowsiness or dizziness |
| H412: Harmful to aquatic life with long lasting effects | P210: Keep away from heat/sparks/open flames/hot surfaces - No smoking |
| P211: Do not spray on an open flame or other ignition source | P251: Pressurized container – Do not pierce or burn, even after use |
| P261: Avoid breathing dust/fume/gas/mist/vapours/spray | P264: Wash ??please see SDS?? thoroughly after handling |
| P271: Use only outdoors or in a well-ventilated area | P273: Avoid release to the environment |
| P280: Wear protective gloves/protective clothing/eye protection/face protection | P304+340: if inhaled:remove victim to fresh air and keep at rest in a position comfortable for breathing |
| P305+351+338:IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. | P305+351+338:IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P312: Call a POISON CENTER or doctor/physician if you feel unwell | P313: Get medical advice/attention |
| P337: If eye irritation persists: ??please see SDS?? | P370+378 : In case of fire: Use ... to extinguish. |
| P403+233 : store in a well ventilated place | P403+235: store in a well-ventilated place |
| P405: Store locked up | P410+412 : protect from sunlight |
| P410+412 : protect from sunlight | P501: Dispose of contents/container to ??please see SDS?? |

| Application Method | Application Area | Frequency Of Use | Quantity Used | Duration Use |
|--------------------|------------------|------------------|---------------|------------------------|
| Spraying (Aerosol) | Outside | Daily | 1000m | 2 to 4 hours per shift |

Spillage, Storage & Waste

6:ACCIDENTAL RELEASE MEASURES

- 6.1. Personal precautions, protective equipment and emergency procedures Provide adequate ventilation. In case of inadequate ventilation, use respiratory protection. Avoid inhalation of vapours and aerosol spray.
- 6.2. Environmental precautions Do not allow to enter drains, sewers or watercourses. Contain spillages with sand, earth or any suitable adsorbent material.
- 6.3. Methods and material for containment and cleaning up Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Wear necessary protective equipment. Provide ventilation and confine spill. Do not allow runoff to sewer. Absorb in vermiculite, dry sand or earth and place into containers.
- 6.4. Reference to other sections For personal protection, see section 8. SECTION

7:HANDLING AND STORAGE

- 7.1. Precautions for safe handling Read and follow manufacturers recommendations. Keep away from heat, sparks and open flame. Eliminate all sources of ignition. Avoid inhalation of vapours and spray mists. Do not spray near naked flame or any incandescent material. When sprayed on a naked flame or any incandescent material the aerosol vapours can be ignited.
- 7.2. Conditions for safe storage, including any incompatibilities Extremely flammable. Store at moderate temperatures in dry, well ventilated area. Keep away from heat, sparks and open flame. Pressurised container:Must not be exposed to temperatures above 50°C. Do not pierce or burn even after use. Storage Class Extremely Flammable Aerosol.
- 7.3. Specific end use(s) The identified uses for this product are detailed in Section 1.2. SECTION

13:DISPOSAL CONSIDERATIONS

General information Do not puncture or incinerate even when empty.

- 13.1. Waste treatment methods Dispose of waste and residues in accordance with local authority requirements. Make sure containers are empty before discarding (explosion risk). DO NOT BURN OR INCINERATE CONTAINERS EVEN WHEN EMPTY-CONTAINERS MAY BURST OR EXPLODE VIOLENTLY IF EXPOSED TO EXTREME HEAT. SECTION

WELS

Acetone 1210mg/m3 8hTWA 3620mg/m3 15mSTEL WEL, n-Butyl acetate 724mg/m3 8hTWA 966mg/m3 15mSTEL WEL, Cumene 125mg/m3 8hTWA 25ppm 8hTWA 250mg/m3 15mSTEL 50ppm 15mSTEL WEL, Propane 1800mg/m3 8hTWA 7200mg/m3 15mSTEL OEL, 1,2,4-trimethylbenzene 125mg/m3 8hTWA WEL, Mesitylene 125mg/m3 8hTWA 25ppm 8hTWA WEL, n-Butane 1450mg/m3 8hTWA 600ppm 8hTWA 1810mg/m3 15mSTEL 750ppm 15mSTEL WEL, Solvent naphtha (petroleum) light aromatic 500mg/m3 8hTWA OEL

Task Related Hazards & Controls



Before Controls: Medium Risk (12/25)



After Controls: Low Risk (4/25)



Hazard Description

H222: Extremely flammable material

Controls In Place



P410 Protect from sunlight.



P211 Do not spray on an open flame or other ignition source.



P412 Do not expose to temperatures exceeding 50 °C/ 122 °F.



P251 Pressurized container: Do not pierce or burn, even after use.



P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.



Before Controls: Medium Risk (12/25)



After Controls: Low Risk (2/25)



Hazard Description

H319: Causes serious eye irritation

Controls In Place



P264 Wash skin thoroughly after handling.



P280: Wear protective gloves/protective clothing/eye protection/face protection.

Emergency Controls In Place



P337: P337 If eye irritation persists:



P313 + P337 If eye irritation persists Get medical advice/attention



P305 + P351 + P338
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.



Before Controls: Medium Risk (12/25)



After Controls: Low Risk (3/25)



Hazard Description

H336: May cause drowsiness and dizziness

Controls In Place



P405 Store locked up



P501 Dispose of contents/container to....



P264: P264 Wash skin thoroughly after handling.



P271 Use only outdoors or in a well-ventilated area.



P261 Avoid breathing dust/fume/gas/mist/vapours/spray.



P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

Emergency Controls In Place



P313: P313 Get medical advice/attention



P312 Call a POISON CENTER or doctor/physician if you feel unwell.



P304 + P340
IF INHALED: Remove victim to fresh air and Keep at rest in a position comfortable for breathing.



Before Controls: Medium Risk (9/25)



After Controls: Low Risk (3/25)



Hazard Description

H412: Harmful to aquatic life with long lasting effects

Controls In Place



P273: Don't pour down drains



P273 Avoid release to the environment.



P501 Dispose of contents/container to.....

General Controls & Emergency Controls

Controls In Place



Use local extraction



PVA



Wash your hands



Wear protective clothing



BS EN166



FILTER TYPE P2

Emergency Controls In Place



First aid

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues. Do not give victim anything to drink if they are unconscious.

Inhalation

In case of inhalation of spray mist: Move person into fresh air and keep at rest. Perform artificial respiration if breathing has stopped. Keep the affected person warm and at rest. Get prompt medical attention.

Ingestion

Immediately rinse mouth and provide fresh air. DO NOT induce vomiting. Get medical attention immediately.

Skin contact

Wash skin with soap and water. DO NOT use solvents or thinners Get medical attention if any discomfort continues.

Eye contact

Immediately rinse with water. Continue to rinse for at least 15 minutes. Make sure to remove any contact lenses from the eyes before rinsing. Get medical attention immediately. Continue to rinse.

4.2. Most important symptoms and effects, both acute and delayed

General information

The severity of the symptoms described will vary dependant of the concentration and the length of exposure. Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

Inhalation

Vapours may cause drowsiness and dizziness.

Ingestion

Drowsiness, dizziness, disorientation, vertigo.

Skin contact

Prolonged skin contact may cause redness and irritation.

Eye contact

May cause severe irritation to eyes.

4.3. Indication of any immediate medical attention and special treatment needed

The following symptoms may occur: Nausea, Headache, Dizziness, Coughing, Breathing Difficulty.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

Extinguish with alcohol-resistant foam, carbon dioxide or dry powder.

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

Unusual Fire & Explosion Hazards

Extremely flammable. Forms explosive mixtures with air. Aerosol cans may explode in a fire. Vapours are heavier than air and may spread near ground to sources of ignition.

Specific hazards

Pressurised container: Must not be exposed to temperatures above 50 °C.

5.3. Advice for firefighters

Special Fire Fighting Procedures

Water spray should be used to cool containers. Aerosol cans may explode in a fire. Cool aerosol containers exposed to heat with water spray and remove container, if no risk involved. Avoid water in straight hose stream; will scatter and spread fire. Dike and collect extinguishing water. Do not let enter the sewage system.

Protective equipment for fire-fighters

Self contained breathing apparatus and full protective clothing must be worn in case of fire.



ROGER BULLIVANT

APPENDIX 5

INSURANCE CERTIFICATES



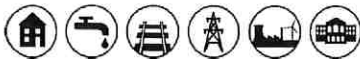
ROGER BULLIVANT

APPENDIX 6

RIG SPECIFICATIONS



COMACCHIO MC6F GENERAL SPECIFICATION





www.roger-bullivant.co.uk

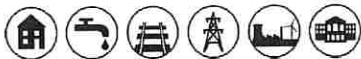
Information collated by:

Plant Design Department
Roger Bullivant Limited
RB Walton Park
Hearthcote Road
Swadlincote
Derbyshire
DE11 9DU

Tel: 01332 977 300

Published Date:

April 2018



Whilst every care has been taken to ensure the correctness of the information contained within this document, no liability can be accepted for any errors or omissions.
Published by Roger Bullivant Limited

12 April 2018



| | |
|------------------------|--------------------------|
| Rig Designation | Comacchio MC6F HT |
| Commissioning Date | SN.2795 - April 2017 |

Weight & Dimensions

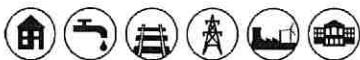
| | | |
|----------------------------------|----------------------------|--------------------------------------|
| Gross Weight | 6.10 tonnes | |
| Operating Length | 4.30 m | |
| Operating Height | 4.29 m to 5.29 m | |
| Overall Width | 1.10 m to 1.60 m | |
| Transport Length | 5.54 m | |
| Transport Height | 2.60 m | |
| Mast Articulation - Fore & Aft | +5° / -35° | Check Manual for Operating Specifics |
| Mast Articulation - Side to Side | ±8° | |
| Foot Travel Relative to Ground | 250 mm above, 200 mm below | |

Piling System

| | |
|------------------------------------|--|
| Drill Head (with through delivery) | R 900.1 |
| Rotary Head Torque | 4.50 kNm @ 100 rpm 7.00 kNm @ 70 rpm 9.00 kNm @ 50 rpm 14.00 kNm @ 35 rpm |
| Clamp Range | 45 mm to 220 mm |
| Head Travel | 2.60 m up to 3.60 m Extended |

Environmental

| | |
|-------------------------|-----------------|
| Engine Emissions Rating | Euro Stage IIIB |
|-------------------------|-----------------|





Power & Control Systems

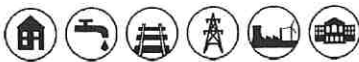
| | |
|---------------------------|------------------------|
| Prime Mover | Deutz TCD 3.6 L4 |
| Power Rating (Continuous) | 85 kW @ 2200 rpm |
| Fuel Tank Capacity | 90 Litres |
| Main Controls | Manual Control Station |
| Additional Controls | n/a |
| Max. Operating Pressure | 300 Bar |

Undercarriage

| | |
|----------------------|----------------------|
| Track Plate Width | 300 mm |
| Max. Tractive Effort | Not Available |
| Max. Travel Speed | 0.67 km/h (0.42 mph) |

Ground Pressure

FPS Rig Loading Data Sheet available



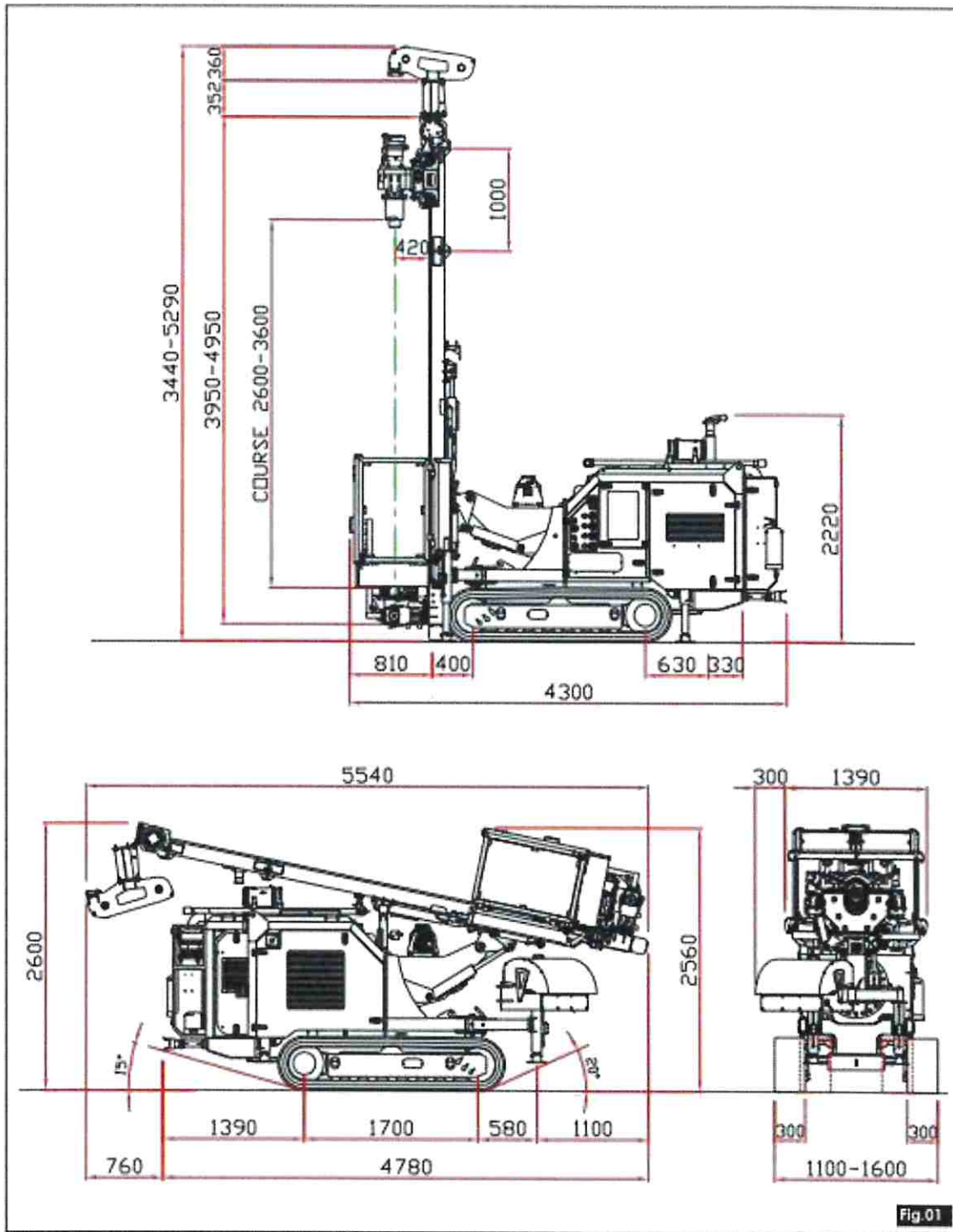
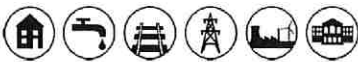



Figure 1 - Overall Dimensional View



| Schedule of Piling Rig Component Weights, Dimensions, Forces and Pressures | | | | |
|--|------------------------------|---|--|------------------------------|
| Rig Manufacturer : | | COMACCHIO | | Rig Type : MC6F HT (SN:2577) |
| | | Operation mode: | | Micropiles |
| Completed by: | Neil Harris | 05/03/2020 | Checked by: | Chris Hibbert |
| Item | Mass (kg) | Moment arm (m) | Moment (kNm) | |
| UPPER WORKS | 1261 | 1.03 | 12.72 | |
| LOWER WORKS | 3992 | -0.55 | -21.46 | |
| ROPE / KELLY / CHAIN SUSPENDED EQUIPMENT | 697 | 1.37 | 9.40 | |
| COUNTERWEIGHT | 0 | 0.00 | 0.00 | |
| OTHER | 0 | 0.00 | 0.00 | |
| TOTAL | 5950 | 0.01 | 0.66 | |
| Tracks | | | | |
| Track bearing length (m) | 1.706 | | | |
| Track pad width (m) | 0.3 | | | |
| Distance between centrelines of tracks (m) | 1.3 | | | |
| Front Foot Pads | | | | |
| Pad Bearing Area (m ²) | 0.14 | Actual Dimensions | N°2 x Diameter 300mm | |
| Pad Maximum Loading (kN) | 30.00 | Actual Shape | Circular | |
| Pad Moment Arm (m) | 1.11 | | | |
| Rear Foot Pads | | | | |
| Pad Bearing Area (m ²) | 0.14 | Actual Dimensions | N°2 x Diameter 300mm | |
| Pad Maximum Loading (kN) | 30.00 | Actual Shape | Circular | |
| Pad Moment Arm (m) | -1.25 | | | |
| Forces | | | | |
| Maximum Extraction Force (kN) | 50.00 | | | |
| Maximum Penetration Force (kN) | 50.00 | | | |
| Maximum Auxillary Force (kN) | 10.00 | Auxillary Force Moment Arm (m) | 1.48 | |
| Pressure Summary for Platform Design (unfactored) | | | | |
| MODE | BRE LOAD CASE (1 or 2) | Length (m) | Width (m) | UDL Pressure (kPa) |
| Standing | 1 | 1.35 | 0.3 | 61 |
| Travelling | 1 | 1.68 | 0.3 | 58 |
| Handling | 1 | 1.53 | 0.3 | 65 |
| Penetrating | 2 | 0.41 | 0.3 | 92 |
| Extracting | 2 | 0.82 | 0.3 | 161 |
| Other | NOT USED | N/A | 0.3 | N/A |
| MODE | WARNING MESSAGES | ERROR MESSAGES FOR FORCES | | |
| Standing | None | Auxiliary Line Force OK | Extraction Force OK | Penetration Force OK |
| Travelling | None | Auxiliary Line Force OK | Extraction Force OK | Penetration Force OK |
| Handling | None | Auxiliary Line Force OK | Extraction Force OK | Penetration Force OK |
| Penetrating | None | Auxiliary Line Force OK | Extraction Force OK | Penetration Force OK |
| Extracting | None | Auxiliary Line Force OK | Extraction Force OK | Penetration Force OK |
| Other | None | Auxiliary Line Force OK | Extraction Force OK | Penetration Force OK |
| MODE | ERROR MESSAGES FOR FOOT PADS | | Notes | |
| Standing | Front Foot Pad Force OK | Rear Foot Pad Force OK | Only for rig operation on level ground with a vertical mast, unless noted below | |
| Travelling | Front Foot Pad Force OK | Rear Foot Pad Force OK | Only for use where the rig is working on a ground supported platform ! | |
| Handling | Front Foot Pad Force OK | Rear Foot Pad Force OK | Foot pad pressures are adjusted to equalise with the track pressures ! | |
| Penetrating | Front Foot Pad Force OK | Rear Foot Pad Force OK | Rigs to be operated in accordance with manufacturer's & employer's instructions | |
| Extracting | Front Foot Pad Force OK | Rear Foot Pad Force OK | The data included on this sheet are the result of the machine's configuration as showed on the next image. The feed and retract are disactives and without rods weight in Rod Charger. | |
| Other | Front Foot Pad Force OK | Rear Foot Pad Force OK | The articulations of this machine allow various configurations, which are decided depending on the different working conditions. It would be almost impossible to illustrate all the machine's positions on this sheet, which it seems conceived for bored piles or CFA rigs; for this reason you let the operator the proper use of this spreadsheet for the specific study of the case. We are at your disposal to provide other informations. | |
| Note: The disclaimer on the first worksheet applies to all tables in this workbook | |  | | |



ROGER BULLIVANT

| | | | | | |
|--------------------------|------------------------------|----------|---|------|------------|
| Controlled Documentation | Document ID PDCD-014-A-09 | Revision | A | Date | 24/03/2009 |
|--------------------------|------------------------------|----------|---|------|------------|

RB Walton Park, Heathcote Road, Swadlincote, Derbyshire. DE11 9DU

Tel: 01332 977 300 Web: www.roger-bullivant.co.uk

REPORT OF TEST AND THOROUGH EXAMINATION OR THOROUGH EXAMINATION OF LIFTING PLANT AND EQUIPMENT

| | | | | | |
|-----------------|----------|------------|---------|-------------------------------|------------|
| Date of Report: | 17.02.21 | Report No. | 1322/21 | Previous test or examination. | 24.02.2020 |
|-----------------|----------|------------|---------|-------------------------------|------------|

| | |
|--|--|
| Address at which the examination was made: | Roger Bullivant Ltd, Walton Park Swadlincote |
|--|--|

| | |
|---|-----------------------|
| Identification and Description of the Equipment: Including DOM if known. | Safe Working Load(s): |
|---|-----------------------|

| | |
|------------------------------|-----------------|
| Comacchio 02 (MC6F) | 5,000 kg |
| Service winch | 1,000 kg |

| | |
|--|--|
| CERTIFICATE VALID FROM 15.02.2021 | CERTIFICATE VALID TO 14.02.2022 |
|--|--|

| | | | |
|----------------------------------|------------|--|------------|
| Was this equipment: supplied new | | Was the examination carried out before being issued for the first time | |
| Supplied reconditioned | | Within an interval of 6 months | |
| Examined only | | Within an interval of 12 months | yes |
| Examined and tested only | yes | As part of an examination scheme | yes |
| Examined, repaired and tested | | After exceptional circumstances | |

Identification of any part found to have a defect or could become a danger to persons and a description of that defect. (if none, state NONE);

None

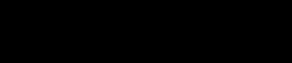
Is the above a defect which is of immediate danger to persons?

If not an immediate danger, when might it become dangerous to persons without rectification?

Particulars of any repair, renewal or alteration required to remedy the defect identified above:

Particulars of any tests carried out as part of the examination:

| | |
|--|------------|
| IS THE EQUIPMENT SAFE TO OPERATE? | Yes |
|--|------------|

| | |
|--|---|
| Person making the Report Mr Rodger Brood Plant Inspector | Name of person authenticating this report. Mr Rodger Brood Signature:  |
|--|---|