# COSHH Risk Assessment Vantage Drain Services

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Task/Activit	ty:	LUC	anseur		hniques	sing no	F	Ref:			50722-1	
Assessors Na	ame	M D Services Ltd					Assessment Da					
	Description of Task / Ad				05/07/2022 ctivity Next Review							
	ן	Descriptio	on of Ta	ask / A	Activity				Next	t Rev	iew	
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matting.									Every 6	Month	IS	
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	OSHH Risk Assessment Vantage Drain Services H332 Harmful if inhaled
	H334 May cause allergy or asthma symptoms of breathing difficulties if inhaled
	H335 May cause respiratory irritation
	H351 Suspected of causing cancer
	H373 May cause damage to organs through prolonged or repeated exposure:
	respiratory system
	P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray
	P280 Wear protective gloves/ protective clothing/ eye protection/ face protection
	P285 In case of inadequate ventilation wear respiratory protection
List all relevant	P302+P352 IF ON SKIN: Wash with plenty of soap and water
Precautionary Statements:	P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position
<u>otatements</u> .	comfortable for breathing
	P309+P311 IF exposed or if you feel unwell: Call a POISON CENTER or doctor/
	physician

		sk Assessment Be Harmed?	
Staff: Contrac		X Members of the Public: X	
(1) Quantity Used:	Score	oxic Severity (Dose) (2) Health Hazard:	Score
Small: Quantities up to 1g or ml	1	Low Hazard: Includes Hazard Statements: H313, H315, H316, H319, H320, H333, H335, H336	1
Medium: Quantities between 1 to 150g or ml	2	Medium Hazard: Includes Hazard Statements: H303, H311, H314, H317, H318, H332, H334, H371, H375	2
Large: Quantities over 150g or ml	3	High Hazard: Includes Hazard Statements: H300, H301, H302, H304, H305, H310, H330, H331, H340, H341, H350, H351, H360, H361, H362, H370, H372	3
Score 1:		Score 2:	3
		obability of Exposure	
(3) Dustiness/Volatility of Substance	Score	(4) Duration of Exposure	Score
Low: <u>Solids</u> Materials that do not break up easily with little or no dusts observed during use <u>Liquids</u> Boiling Point over 150°C	1	Short Exposure: Short periods measured in minutes & where any WEL is not exceeded at any time	1
Medium: <u>Solids</u> Crystalline or granular materials with minimal dusts or dusts which settle out quickly <u>Liquids</u> Boiling Point between 50 & 150°C	2	Medium Exposure: Periods exceeding 1 hour but not exceeding 4 hrs	2
High: <u>Solids</u> Fine, light powders or fibres with dusts which remain airborne for long periods	3	Long Exposure: Full working shift (over 4 hrs) & if the WEL is exceeded at any time	3
<u>Liquids</u> Boiling Point below 50°C All <u>Gases, Mists, Fumes</u> & <u>Aerosols</u>			
Liquids Boiling Point below 50°C	3	Score 4:	3

Score 1:         3         Score 3:         3           + Score 2:         3         + Score 4:         3           = Total A         6         = Total B         6	A 6 X B 6 = 36	0-4: Tolerable 5-12: Medium Risk 13-20: High Risk 21+: Extreme Risk
Scores of 0 – 4 indicate a tolerable risk w following the manufacturers instructions Scores over 4 will require <u>additional cont</u>	and basic hygiene procedures) trol measures (complete section	4)
Tasks scoring over 21 must be stopped i	Immediately until further controls	can be implemented
Tasks scoring over 21 must be stopped i Are Additional Controls required?	YES	can be implemented       X   NO

Remember: if a safer alternative is available, consider using it, unless you have a valid reason for continuing to use your current substance.

	Section 4 – C	Controls
	Prevention of E	xposure
Can the Hazardous Substance(s) be <u>eliminated</u> from the process?	Yes No X	Give Details:
Are measures in place to <u>exclude non essential</u> <u>personnel</u> from the area?	Yes X No	Give Details: SIGNAGE IS USED AT AREAS PROHIBITING NON AUTHORISED PERSONS.
	Control of Ex	posure
Can the <u>quantities</u> of the hazardous substances be reduced?	Yes No X	Give Details:
Can the <u>form</u> of the Hazardous Substance(s) be changed to make it safer (i.e. substituting powder for pellets etc)?	Yes No X	Give Details:
Can the <u>exposure time</u> of workers be reduced?	Yes No X	Give Details:
Can natural <u>ventilation</u> in the work area be improved (i.e. opening windows etc)?	Yes X No	Give Details: MIXING AND APPLICATION OF PRODUCT CAN ONLY TAKE PLACE OUTSIDE IN THE FRESH AIR.

COSH	HRisk Assessment	Vantage Drain Se	rvices
Is <u>Local Exhaust</u> <u>Ventilation</u> (LEV) requ	ired? Yes X No	PRODUCT IS IN A CONFINE	ON INSTANCES WHERE THE BEING MIXED AND APPLIED ED SPACE OR STORE THE CED AIR VENTILATION WILL D
Does any part of the process need to be partially or totally <u>enclosed</u> ?	Yes No	Give Details:	
	Administr	ation Controls	
Do <u>vulnerable persons</u> need to be excluded fr this activity or area (i.e nursing mothers etc)?	e. Yes X No	SCHOOL LEA	NO VULNERABLE PERSONS VING AGE (under 18) OR MOTHERS PERMMITED TO THESE TASKS
Is any special <u>training</u> required for the task and/or the Hazardous Substance(s) used?	Yes X No		ALL EMPLYEES TRAINED IN DUCT BY SUPPLIER AND SY EU SKILLS.
Are any <u>warning signs</u> notices and/or barriers required?			SIGNS WITH DO/ DO NOT ITS HAVE TO BE PLACED WORKS LOCATION.
		4 – Controls	
F	PPE - Eye/Face Protection	on (Instillation & Abs	orption)
	Type & Standard: EN 166 – 3A		Type & Standard:
Goggles	Despiretory Drotestive	Full Face Visor	n 9 Insection)
	Respiratory Protective I	Equipment (innalatio	
	Type & Standard:		Type & Standard:
Dust Mask		Respirator	
		Type & Standard	
BA Set	PPF - Skin & Body	Protection (Absorpti	on)
00000	Type & Standard:		Type & Standard:
Gloves X	Nitrile gloves (EN 374)	Overalls	EN 13034:2005 (Type 6 and Type PB 6)
	Tuna 9 Otanaland		
Safety Footwear	Type & Standard: STEEL TOE CAPPED LACED BOOTS EN ISO 20345:2011	Other	Type & Standard:

COSHH Risk	Assessment Vant	age Drain Services
Do measures need to be taken to <u>control sources of</u> <u>ignition</u> ?	Yes X No	Give Details: NO SMOKING PERMMITED DURING ANY TIME USING THIS EQUIPMENT. THE MACHINERY IS REQURED TO BE LEFT FOR 10 MINS BEFORE FUELLING TAKES PLACE
Are there any materials that will create an <u>additional hazard</u> if exposed to the Hazardous Substance(s)?	Yes No X	Give Details: ACIDS, ALCOHOLS, AMINES WATER, ALKALINES
Is <u>Exposure Monitoring</u> required (in line with Reg 10 of COSHH)?	Yes No X	Give Details:
Is <u>Health Surveillance</u> required (in line with Reg 11 of COSHH)?	Yes No X	Give Details:
Lo <mark>ne W</mark> orking Allowed? Permit to Work Required?		X
	Section 6 – Safe Sy	/stem of Work
Detail <u>how the task will be constant</u> <b>NO S</b> 1. Don appropriate PPE 2. Barrier off the workin up ground protection 3. Operatives are requir and works. 4. Remove all materials length and width ens and secure in place w agitate bag to ensure 5. Pour mixture onto ma sides. Then wrap ma 6. Once kit has went off 7. On completion, all wo	<b>SMOKING</b> for prescribed works. In a rea, always position in sheet. Tred to allow plenty of re- from drain repair kit, n uring an area of overlar with tape or elastic ban e even mixture of conte atting and smooth out tting around packer an f (cured) remove all eq	A stem of Work PERMITTED In warning signs in prominent positions, set from within the barriered zone for movement measure out matting and cut to desired ap of 3 inches. Wrap packer with polythene ads. Burst internal seal in 2 part kit and ents (generally 20 – 60 seconds). using kits spatula, this is required on both add secure with elastic bands. uipment from drainage line o client's satisfaction and any waste will be
Detail <u>how the task will be constant</u> <b>NO S</b> 1. Don appropriate PPE 2. Barrier off the workin up ground protection 3. Operatives are requir and works. 4. Remove all materials length and width ens and secure in place w agitate bag to ensure 5. Pour mixture onto ma sides. Then wrap ma 6. Once kit has went off 7. On completion, all wo	ompleted safely: SMOKING for prescribed works. In area, always position in sheet. red to allow plenty of re- trom drain repair kit, re- uring an area of overlation with tape or elastic ban e even mixture of content atting and smooth out tting around packer and f (cured) remove all eq pork area will be tidied to	Astem of Work PERMITTED In warning signs in prominent positions, set oom within the barriered zone for movement measure out matting and cut to desired up of 3 inches. Wrap packer with polythene dds. Burst internal seal in 2 part kit and ents (generally 20 – 60 seconds). using kits spatula, this is required on both ad secure with elastic bands. uipment from drainage line o client's satisfaction and any waste will be al requirements.

- 1. PRODUCT TO REMAIN IN PACKAGING UNTIL REQUIRED TO BE USED
- 2. LOW FLOW COMPRESSOR
- 3. PACKERS
- 4. PLASTIC SHEETING

## **COSHH Risk Assessment Vantage Drain Services**

- 5. RUBBLE BAGS FOR WASTE PRODUCTS
- 6. GENERATOR
- 7. CCTV UNIT
- 8. AIR RODS
- 9. GAZEBO (WEATHER DEPENDANT)

#### Section 7 – Emergency Information

What actions should be taken in the event of any fires involving the substance?

#### Extinguishing media

Suitable extinguishing media Foam, CO2 or dry powder. Water spray may be used if no other available and then in copious quantities. Unsuitable extinguishing media High volume water jet

#### Special hazards arising from the substance or mixture

Carbon dioxide, carbon monoxide, hydrogen cyanide, nitrogen oxides, isocyanate. The substances/groups of substances mentioned can be released in case of fire.

### Advice for firefighter

Reaction between water and hot isocyanate may be vigorous. Prevent washings from entering water courses, keep fire exposed containers cool by spraying with water.

### Special protective equipment

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Safety boots, gloves, safety helmet and protective clothing should be worn.

## Further information

In the event of fire and/or explosion do not breathe fumes. Fire in vicinity poses risk of pressure build-up and rupture. Containers at risk from fire should be cooled with water and, if possible, removed from the danger area. Due to reaction with water producing CO2 gas, a hazardous build-up of pressure could result if contaminated containers are re-sealed. Containers may burst if over heated.

Fire Extinguisher type(s) that can't be used?	HIGH VOLUME WATER JET.
First Aid: What actions sho	uld be taken if the substance is:
Inhaled: If inhaled, remove to fresh air. If not breathing give artificial respiration. Get medical attention immediately	Ingested: DO NOT Induce the patient to vomit, medical advice is required. Never give anything by mouth to an unconscious person. Provided the patient is conscious, wash out mouth with water
In Contact with the Skin: In the event of contact with the skin, preferably wash alternately with a cleanser based on polyethylene glycol and with plenty of warm water and soap. Consult a doctor in the event of a skin reaction. Wash the less clothing before reuse. Clean shoes thoroughly before reuse	In Contact with the Eyes: Hold the eyes open and rinse with water for a sufficiently long period of time (at least 10 minutes). Get medical attention immediately.

## COSHH Risk Assessment Vantage Drain Services

## Spillages: How should accidental release/spillages of this substance be dealt with?

### Personal precautions

PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES IMMEDIATELY CONTACT EMERGENCY PERSONNEL. EVACUATE THE AREA. KEEP UPWIND TO AVOID INHALATION OF VAPOURS. CLEANUP SHOULD ONLY BE PERFORMED BY TRAINED PERSONNEL. KEEP UNAUTHORIZED PERSONS AWAY.

FOR NON-EMERGENCY PERSONNEL REMOVE UNAFFECTED PEOPLE. INFORM THE RELEVANT EMERGENCY SERVICES AND AUTHORITIES.

FOR EMERGENCY RESPONDERS PEOPLE DEALING WITH MAJOR SPILLAGES SHOULD WEAR FULL PROTECTIVE CLOTHING INCLUDING RESPIRATORY PROTECTION. USE SUITABLE PROTECTIVE EQUIPMENT.

#### Environmental precautions

persons carrying out this task

DO NOT ALLOW CONTAMINATED EXTINGUISHING WATER TO ENTER THE SOIL, GROUND-WATER OR SURFACE WATERS. AVOID DISPERSAL OF SPILT MATERIAL AND RUNOFF AND CONTACT WITH DRAINS AND SEWERS

#### Methods and material for containment and cleaning up

Absorb spillages onto sand, earth or any suitable adsorbent material. Leave to react for at least 30 minutes. Do not absorb onto sawdust or other combustible materials. Contaminated absorbent material must be handled as hazardous waste in accordance with EU and regional hazardous waste regulations European Waste Catalogue code: 08 05 01. Wash the spillage area with water.

Section 8 – Summary		
Have the persons completing this task been provided with sufficient information and training* to complete it safely?	YES X NO	
Are all of the identified controls in place and effective?	YES X NO	
Are all hazards to health adequately controlled?	YES X NO	
* As a minimum, ensure a copy of this assessment (and any relevant	MSDS) is available	to

Section 9 – Doc	ument Control / Authorisation	
Checked and Authorised By (Name) :	Checked and Authorised By: (Sign)	Date:
Matthew Duffy Grad IOSH	M. Duffy	05/07/2022

## Section 10 – Record of Training

The following people have been inducted on this COSHH Assessment and associated Safe System of Work (SSoW) and have been given the opportunity to ask questions. They agree to comply with the specified arrangements and control measures and will seek further advice if the work activity changes and/or the agreed controls cannot be implemented for any reason.

. . .

- This form aids in assessing the risks associated with the use of chemicals and other substances hazardous to health
- It does not address the risks associated with biological agents or ionising radiation
- With respect to DSEAR, this form may be used to assess risks arising from small scale operations where hazard zoning is not necessary and the controls required largely mirror those in the COSHH Regulations
- This form is not suitable for assessing flammability and/or explosion risks from large scale operations or where hazard zoning is required (as this will require a more detailed assessment)

