








COSHH Risk Assessment

Section 1 – General Information						
Task/Activity:	Topping up Screen Wash in Vehicles	Ref:	ADS271021-1SW			
Assessors Name	M Duffy Services	Assessment Date				
		27/10/2021				
Description of Task / Activity					Next Review	
Using ready mix screen wash to top up vehicles screen wash reservoir					Every 12 months	<input checked="" type="checkbox"/>
					Every 6 Months	<input type="checkbox"/>
					Immediately after any task/activity changes and/or incidents/accidents	<input type="checkbox"/>
How often is the task undertaken (daily, weekly etc): when required						
Task Duration (approximately): 5 mins			Numbers of persons involved: 5			
Section 2 – Hazardous Substance Information						
Hazardous Substance(s) used (trade name, ingredients etc):		READY MIX SCREEN WASH Ethanol				
How is the Substance(s) used (Sprayed, diluted, brushed, mixed, applied by hand etc):		Poured				
Indicate the Hazard(s) associated with Hazardous Substances used:						
						
Explosive	Flammable	Oxidising	Corrosive	Acute Toxic	Health Hazard	Serious Health Hazard
Indicate what form(s) the Hazardous Substances take:						
Gas	Vapour	Mist/Aerosol	Fume	Dust	Liquid	Solid
Indicate what Route(s) of Exposure the Hazardous Substances take:						
Inhalation	Ingestion	Absorption (Skin)	Instillation (Eyes)	Penetration		
Workplace Exposure Limits (WEL) refer to MSDS and/or HSE Publication EH40						
	LTEL (8 hr TWA) PPM or Mg/M ³				STEL (15 min) PPM or Mg/M ³	
Ethanol	1000 ppm				N/A	
List the Risks to Health from Exposure to the Hazardous Substance(s)						
List all relevant Hazard Statements:	H226 - FLAMMABLE LIQUID AND VAPOUR.					

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<p>List all relevant <u>Precautionary Statements</u>:</p>	<p>P102 - Keep out of reach of children.</p> <p>P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P233 - Keep container tightly closed.</p> <p>P240 - Ground and bond container and receiving equipment.</p> <p>P241 - Use explosion-proof electrical, lighting, ventilating equipment.</p> <p>P242 - Use non-sparking tools.</p> <p>P243 - Take action to prevent static discharges.</p> <p>P370+P378 - In case of fire: Use foam to extinguish.</p> <p>P403+P235 - Store in a well-ventilated place. Keep cool</p>
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Section 3 – Risk Assessment			
Who Might Be Harmed?			
Staff:	<input checked="" type="checkbox"/>	Contractors:	<input checked="" type="checkbox"/>
Visitors:	<input type="checkbox"/>	Members of the Public:	<input type="checkbox"/>
		Others: (please note)	<input type="checkbox"/>
Estimation of the Toxic Severity (Dose)			
(1) Quantity Used:	Score	(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:	3	Score 2:	1
Estimation of the Probability 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 <u>Liquids</u> Boiling Point below 50°C All <u>Gases</u> , <u>Mists</u> , <u>Fumes</u> & <u>Aerosols</u>	3	Long Exposure: Full working shift (over 4 hrs) & if the WEL is exceeded at any time	3
Score 3:	2	Score 4:	1
Risk Rating			
Score 1: <input type="text" value="3"/>	Score 3: <input type="text" value="2"/>	A <input type="text" value="4"/> X B <input type="text" value="3"/> = <input type="text" value="12"/>	
+ Score 2: <input type="text" value="1"/>	+ Score 4: <input type="text" value="1"/>	<div style="background-color: #90ee90; padding: 2px;">0-4: Tolerable</div> <div style="background-color: #ffff00; padding: 2px;">5-12: Medium Risk</div> <div style="background-color: #ff0000; padding: 2px;">13-20: High Risk</div> <div style="background-color: #ff0000; padding: 2px;">21+: Extreme Risk</div>	
= Total A: <input type="text" value="4"/>	= Total B: <input type="text" value="3"/>		

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Scores of 0 – 4 indicate a tolerable risk where standard controls are in place (including following the manufacturers instructions and basic hygiene procedures)

Scores over 4 will require additional control measures (complete section 4)

Tasks scoring over 21 must be stopped immediately until further controls can be implemented

Are Additional Controls required?

YES NO

Is it possible to use a less harmful substance to do the work?

YES 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 – Controls

Prevention of Exposure

Can the Hazardous Substance(s) be eliminated from the process?

Yes No

Give Details:

Are measures in place to exclude non essential personnel from the area?

Yes No

Give Details: **ONLY THE DRIVER IS PERMITTED TO FILL UP THE RESERVOIR**

Control of Exposure

Can the quantities of the hazardous substances be reduced?

Yes No

Give Details:

Can the form of the Hazardous Substance(s) be changed to make it safer (i.e. substituting powder for pellets etc)?

Yes No

Give Details:

Can the exposure time of workers be reduced?

Yes No

Give Details:

Can natural ventilation in the work area be improved (i.e. opening windows etc)?

Yes No

Give Details:

Is Local Exhaust Ventilation (LEV) required?

Yes No

Give Details:










Does any part of the process need to be partially or totally enclosed?

Yes No

Give Details:

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Administration Controls		
Do <u>vulnerable persons</u> need to be excluded from this activity or area (i.e. nursing mothers etc)?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Give Details: NO VULNERABLE PERSONS SCHOOL LEAVING AGE (under 18) OR EXPECTANT MOTHERS PERMITTED TO CARRY OUT THESE TASKS
Is any special <u>training</u> required for the task and/or the Hazardous Substance(s) used?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Give Details:
Are any <u>warning signs</u> , notices and/or barriers required?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Give Details:

Section 4 – Controls					
PPE - Eye/Face Protection (Instillation & Absorption)					
	<input type="checkbox"/>	Type & Standard:		<input type="checkbox"/>	Type & Standard:
Goggles			Full Face Visor		
RPE - Respiratory Protective Equipment (Inhalation & Ingestion)					
	<input type="checkbox"/>	Type & Standard:		<input type="checkbox"/>	Type & Standard:
Dust Mask			Respirator		
	<input type="checkbox"/>	Type & Standard:			
BA Set					
PPE - Skin & Body Protection (Absorption)					
	<input type="checkbox"/>	Type & Standard:		<input type="checkbox"/>	Type & Standard:
Gloves		LATEX DIPPED COTTON BS EN 388	Overalls		
	<input type="checkbox"/>	Type & Standard:		<input type="checkbox"/>	Type & Standard:
Safety Footwear		STEEL TOE CAPPED LACED BOOTS EN ISO 20345:2011	Other		

Section 5 – Additional Controls		
Do measures need to be taken to <u>control sources of ignition</u> ?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Give Details: NO SMOKING IS PERMITTED WHILST USING THE PRODUCT OR SUBSEQUENTLY WEARING PPE AFTER PRODUCT USE.
Are there any materials that will create an <u>additional hazard</u> if	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Give Details: OXIDIZING AGENT. STRONG ACIDS. STRONG BASES.

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exposed to the Hazardous Substance(s)?								
Is <u>Exposure Monitoring</u> required (in line with Reg 10 of COSHH)?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Give Details:						
Is <u>Health Surveillance</u> required (in line with Reg 11 of COSHH)?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Give Details:						
Lone Working Allowed? Permit to Work Required?		<table border="1" style="float: right; border-collapse: collapse;"> <tr> <td style="background-color: #00FF00; text-align: center;">Yes</td> <td style="background-color: #FF0000; text-align: center;">No</td> </tr> <tr> <td style="text-align: center;">X</td> <td></td> </tr> <tr> <td></td> <td style="text-align: center;">X</td> </tr> </table>	Yes	No	X			X
Yes	No							
X								
	X							

Section 6 – Safe System of Work

Detail how the task will be completed safely:

1. POSITION SIGNS IN PREDOMINANT POSITIONS.
2. DON APPROPRIATE PPE (GLOVES,).
3. OPEN VEHICLE BONNET AND PLACE ON BONNET STAND (MOST VEHICLES HAVE GAS STRUTS FOR THIS OPERATION).
4. LOCATE THE SCREEN WASH RESERVOIR AND OPEN LID
5. WHERE REQUIRED CLEAN INTERNAL FILTER
6. OPEN CANISTER LID AND USE FUNNEL TO DIRECT FLUID INTO RESERVOIR.
7. DO NOT OVERFILL
8. CLEAN UP ANY SPILLAGES USING CLOTH RAGS OR BLUE ROLL.
9. REPLACE LIDS ON RESERVOIR AND PRODUCT BOTTLE.
10. CLOSE BONNET
11. REPALCE SCREEN WAS IN STORE.

Equipment/Stores Required:

List all stores and/or equipment required for the task:

DOES NOT REQUIRE ANY SPECIFIC OR PARTICULAR TECHNICAL MEASURES.

STORAGE CONDITIONS : KEEP CONTAINER CLOSED WHEN NOT IN USE.

SPECIAL RULES ON PACKAGING : KEEP ONLY IN ORIGINAL CONTAINER.

Section 7 – Emergency Information

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

Carbon dioxide. Dry powder. Foam.

Fire Extinguisher type(s) that can be used?

WATER

First Aid: What actions should be taken if the substance is:

Inhaled:

REMOVE PERSON TO FRESH AIR AND KEEP COMFORTABLE FOR BREATHING


Ingested:

GIVE NOTHING OR A LITTLE WATER TO DRINK. GET MEDICAL ADVICE/ATTENTION IF YOU FEEL UNWELL

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<p>In Contact with the Skin:</p> <p>WASH WITH PLENTY OF WATER</p>	<p>In Contact with the Eyes:</p> <p>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</p>
Spillages: How should accidental release/spillages of this substance be dealt with?	
<p>EVACUATE UNNECESSARY PERSONNEL.</p> <p>USE PERSONAL PROTECTIVE EQUIPMENT AS REQUIRED</p> <p>COLLECT SPILLAGE</p> <p>SOAK UP SPILLS WITH INERT SOLIDS, SUCH AS CLAY OR DIATOMACEOUS EARTH AS SOON AS POSSIBLE</p>	

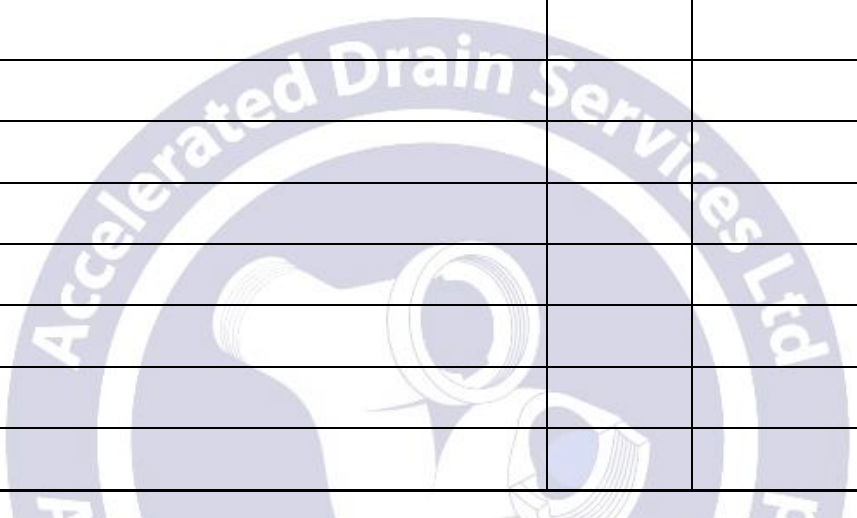
Section 8 – Summary		
Have the persons completing this task been provided with sufficient <u>information and training</u> * to complete it safely?	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
Are all of the identified <u>controls</u> in place and effective?	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
Are all hazards to health <u>adequately controlled</u> ?	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
* As a minimum, ensure a copy of this assessment (and any relevant MSDS) is available to persons carrying out this task		

Section 9 – Document Control / Authorisation		
Checked and Authorised By (Name) :	Checked and Authorised By: (Sign)	Date:
Matthew Duffy Grad IOSH		27/10/2021

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.

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Name	Date	Signature



• 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)