

RISK ASSESSMENT FORM- MANAGING HEALTH AND SAFETY

Academy: Hazel Slade Primary Academy					Raised By: Chris Leach APT H&S Consultancy			Date: 01-06-2020			
Activity Workplace: Application of Bactericidal Fog- Use of Fogging Machine in Schools					Manager:			Completed By: SARAH CAMACHO			
Revision: 2 11-11-2020 Amendments noted R2								Review date: 11/11/2020			
Hazard		Initial risk			Action plan			Residual risk			
Details of hazard	Who is affected and how?	Likelihood	Consequence	Risk L/M/H	What controls are already in place	Further action required	By whom	By when	Likelihood	Consequence	Risk L/M/H
Manual handling	Operative, Injury caused by lifting, handling, carrying, pulling, pushing heavy/bulky objects Strains to back, arms, shoulders	3	3	MEDIUM	Carry fogger by carry handle. Empty Weight of fogger: 5.3KG Total weight of fogger with full tank of fluid: 10.3KG Use mechanical aid when possible for transportation of fogger. Employees must be trained in manual handling techniques.	Risk Assessment to be read and understood	SC PM	Sept 2020	1	1	LOW
Exposure to bactericidal fog	Operative, staff, contractors. School pets. Pupils Ingestion. Inhalation. Absorption. Skin and eye damage.	5	4	VERY HIGH	Persons wearing FFP3 to be Face fit tested. R2 Put on FFP3 face mask and cover up using disposable rubber or latex gloves, overalls/waterproof overalls with hood or cap when wet fogging (setting above 2), goggles, shoe	Risk Assessment to be read and understood Ensure PPE is worn	SC PM	Sept 2020	2	2	Low

RISK ASSESSMENT FORM- MANAGING HEALTH AND SAFETY

				<p>covers before beginning fogging works</p> <p>Application only carried out by persons who has received training in the form of communication of the Safe Operating Procedure, Risk Assessment and COSHH Assessment and are authorised to do so.</p> <p>Inform relevant people that work is to be carried out, specify period of exclusion, place "no entry" signs on door(s) of area to be treated.</p> <p>Exclude non-essential personnel from treatment area.</p> <p>Stay out of treated areas for a minimum four hours after finishing treatment unless wearing specified P.P.E</p> <p>Follow bactericidal dose and application rate as per label.</p> <p>Remove any animals from the room if present.</p> <p>Protect or remove foodstuffs, drinking cups or plants from the area treated.</p>						
--	--	--	--	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--	--	--	--	--	--

RISK ASSESSMENT FORM- MANAGING HEALTH AND SAFETY

Hazardous substances (use and storage of Viro-kill)	Operative, staff, contractors, pupils Ingestion. Inhalation. Absorption. Skin and eye damage.	3	4	HIGH	<p>R2 Put on FFP3 face mask and cover up using disposable rubber or latex gloves, overalls/waterproof overalls with hood or cap when wet fogging (setting above 2), goggles, shoe covers before beginning fogging works</p> <p>Provide suitable information to users.</p> <p>Use ONLY in accordance with the manufacturer's instructions and the COSHH Assessment for that particular substance.</p> <p>In the event of ingestion, inhalation or substance coming into contact with the eyes or skin, inform first aider and obtain treatment.</p> <p>Appointed Person may be used in the absence of a trained first aider once a risk assessment has been carried out and actions implemented and the residual risk rating is low or medium.</p> <p>Report any skin disorder expediently.</p> <p>No eating, drinking, or smoking whilst using substance.</p>	<p>Risk Assessment to be read and understood</p> <p>Ensure PPE is worn and that people are off site when this is being done</p>	SC PM	Sept 2020	1	2	LOW
------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------	---	---	-------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------	----------	-----------	---	---	------------

RISK ASSESSMENT FORM- MANAGING HEALTH AND SAFETY

					<p>Dispose of waste / empty containers as per COSHH Assessment.</p> <p>Hazardous substance to be stored securely when not in use.</p> <p>Store Bactericide in original container and secure location.</p> <p>Hand clean, sanitise and cover any sensitive items with disposable cloth.</p> <p>Surfaces cleared of resource materials and equipment before treatment of an area.</p> <p>Heavy handed application avoided to avoid residue being left on surfaces that requires further cleaning.</p>						
Slips trips and falls	<p>Operative, Staff. Injury caused by poor housekeeping standards, cables/trailing leads, poor light/ lighting, wearing unsuitable footwear, spilt Fogger fluid.</p> <p>Cuts, bruises, fractures, broken bones, unconsciousness</p>	4	3	HIGH	<p>Plan clear safe route from filling area to treatment area and throughout the area to be treated.</p> <p>Employees must wear suitable non slip safety footwear.</p> <p>Ensure the lighting is adequate to the task in hand.</p> <p>Clean up all spillages / leaks etc. (where this is not immediately possible, isolate the affected area using cones, high visibility barrier tape, and / or warning signs).</p>	<p>Risk Assessment to be read and understood</p> <p>All spillages to be mopped up straight away</p> <p>No children / other adults on site when this is being done</p>	SC PM	Sept 2020	2	1	LOW

RISK ASSESSMENT FORM- MANAGING HEALTH AND SAFETY

					<p>Do not climb on desks, shelving.</p> <p>Operative is to only operate the Fogging machine from ground level as range of the machine is sufficient to reach required surfaces</p> <p>Route cables so as not to pose a trip hazard.</p>						
Spillage of bactericidal fluid	Operative, staff.pupils Contact with Fogging machine fluid causing irritation and skin damage. Slip or trip on spilt fluid causing bruising or fractures.	4	3	HIGH	<p>Set-up Fogging Machine as per manufacturer's guidance.</p> <p>Exclude non-essential personnel from set up area.</p> <p>Set-up Fogger on level ground</p> <p>Position drip tray under tank filler spout.</p> <p>Use funnel when adding fluid to fogger.</p> <p>Clean up any spills using absorbent materials.</p> <p>Always ensure lids are replaced properly both on the machine and the chemical container, follow COSHH Risk Assessment for cleaning up spills.</p> <p>Follow procedure for re-filling fogger. See Safe Operating Procedure.</p>	<p>Risk Assessment to be read and understood</p> <p>All spillages to be mopped up straight away</p> <p>No children / other adults on site when this is being done</p>	SC PM	Sept 2020	1	1	LOW

RISK ASSESSMENT FORM- MANAGING HEALTH AND SAFETY

Fire	<p>All Staff, contractors Visitors and Pupils. Outbreak of fire could cause burns, asphyxiation unconsciousness and death.</p>	<p>4</p>	<p>4</p>	<p>HIGH</p>	<p>Ensure fogging equipment is maintained in working order.</p> <p>Ensure the machine is labelled showing the date purchased new or last PAT tested date and the next annual PAT test date due.</p> <p>Carry out pre-use inspection of the plug, lead and casing. Do not use damaged equipment.</p> <p>R2When wet fogging (setting above 2) fire alarm smoke sensors covered or isolated or the system placed on test until the fog drops to avoid false alarm activation.</p> <p>Fully unwind electrical extension reels before use.</p> <p>Do not connect multi plug adaptors together.</p> <p>Do not operate near an open flame.</p> <p>Check the cleanliness of the air filter regularly. A clogged air filter will not only cause poor performance, but also risks overheating the electric motor.</p> <p>Fogging machine is not to be used with formulations containing solvents that harm</p>	<p>Risk Assessment to be read and understood</p> <p>All spillages to be mopped up straight away</p> <p>No children / other adults on site when this is being done</p>	<p>SC PM</p>	<p>Sept 2020</p>	<p>1</p>	<p>4</p>	<p>LOW</p>
-------------	--------------------------------------------------------------------------------------------------------------------------------------------------------	----------	----------	--------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------	------------------	----------	----------	-------------------

RISK ASSESSMENT FORM- MANAGING HEALTH AND SAFETY

					plastics (i.e. Methylene chloride)						
					Turn off after use.						
Contact with electricity	Operative, staff could receive shock or burns from faulty electrical items, fatality. Electrical faults can also lead to fires.	4	5	VERY HIGH	<p>Ensure that all portable electrical tools and equipment are tested by a suitably qualified person and are clearly labelled with the test date.</p> <p>Operative is to carry out pre-user inspection to include plug, cable, equipment casing</p> <p>Users of the Fogging Machine have received training in the form of communication of the safe operating procedure, risk assessment and COSHH assessment.</p> <p>An RCD circuit breaker unit must be used at all times when operating the machine.</p> <p>Unless using totally non-corrosive substances the tank and machine must be cleaned after each use.</p> <p>Fogging machine is not to be used with formulations containing solvents that harm plastics (i.e. Methylene chloride).</p> <p>R2When wet fogging (setting above 2) turn off lights before fogging work begins. Use natural light when available or</p>	<p>Risk Assessment to be read and understood</p> <p>All spillages to be mopped up straight away</p> <p>No children / other adults on site when this is being done</p>	SC PM	Sept 2020	2	3	MEDIUM

RISK ASSESSMENT FORM- MANAGING HEALTH AND SAFETY

					<p>low voltage task lighting</p> <p>R2All small electrical appliances and small tech equipment disinfected with light spray of diluted Viro-kill dispensed using a spray bottle and any screens wiped. When wet fogging (setting above 2) put away equipment in a drawer or cupboard before treating the area/room. Avoid spraying Viro-kill directly into openings in the equipment casings.</p> <p>R2When wet fogging (setting above 2) all large electrical items ventilation grills covered where droplets of the solution could pass into the equipment and come into contact with the electrical components. The whole item is not covered unless disinfecting by hand.</p>						
Misuse of machine	Operative, staff. Contact with Fogging machine fluid, bactericidal fog, contact with electricity	4	5	HIGH	<p>All staff who are required to operate the Fogging machine must receive information and guidance in correct operation and safe use.</p> <p>Staff will be required to read the relevant Risk Assessment, Safe Operating Procedures, COSHH Risk Assessment and manufacturers operating instructions.</p>	<p>Risk Assessment to be read and understood</p> <p>All spillages to be mopped up straight away</p> <p>No children / other adults on site when this is being done</p>	SC PM	Sept 2020	2	4	MEDIUM

RISK ASSESSMENT FORM- MANAGING HEALTH AND SAFETY

Eye Injury	Operative COSHH substances entering the eyes	3	3	MEDIUM	Refer to COSHH assessment control measures. Safety Goggles are to be worn when mixing and adding fogger fluid to the machine. Safety goggles are to be worn when using the Fogging machine.	Risk Assessment to be read and understood PPE must be worn All spillages to be mopped up straight away No children / other adults on site when this is being done	SC PM	Sept 2020	1	1	LOW
v2Noise	Operative, staff. Temporary or permanent hearing loss	5	3	HIGH	Staff informed (of the danger to their hearing) of working for long periods in a noisy environment without suitable hearing protection. Adequate warning signage visible around treatment area. Where noise level exceeds 85dB(A) , hearing protection MUST BE WORN by anyone in the designated area. This is a LEGAL REQUIREMENT .	Risk Assessment to be read and understood PPE ear defenders to be worn No children / other adults on site when this is being done	SC PM	Sept 2020	1	3	LOW

RISK ASSESSMENT FORM- MANAGING HEALTH AND SAFETY

					FO-500 Fogging Machine noise level has been measured at 92dB therefore hearing protection must be worn by the operator of the machine and anyone within 4 meters of the area. Re-usable ear plugs must be sanitised before and after use.									
--	--	--	--	--	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--	--	--	--	--	--	--	--	--

The level of risk is calculated by:

The likelihood

x

The Consequence

- 1- Very unlikely
- 2- Unlikely
- 3- Fairly likely
- 4- Likely
- 5- Very likely

- 1- Insignificant (no injury)
- 2- Minor (minor injury needing first aid)
- 3- Moderate (up to 3 days absence)
- 4- Major (more than 3 days absence)
- 5- Catastrophic (death)

Risk rating:

1 – 4

Low (acceptable)

No further action required

5 – 9

Medium (adequate)

If risk cannot be lowered any further, consider risk against benefit. Monitor and look to improve at next review

10 – 16

High (tolerable)

Identify further control measures to reduce risk rating. Seek further advice e.g. line manager, H&S team, etc.

17 - 25

Very High (unacceptable)

Do not undertake the activity. Implement immediate improvements

DATE	REVIWED BY	SIGNATURE	MANAGER SIGNATURE