

COSHH Assessment for:		Lead Metal				Ref:	445
Assessor:	Dominic Reddall	Date:	May 2022	Next Review:	May 2025		
Describe the activity or work process:							
Lead tiles used as a roofing application.							
What is the location of the activity or work process?							
Various roof areas as per client specification.							
Identify the Persons at Risk:		Employees	☒	Contractors	☒	Public	
Name the substance involved in the process, the quantity and its manufacturer. (A copy of a current safety data sheet for this substance should be attached)							
Lead in a solid state available from various manufacturers.							
The quantity to be used will depend on job specification although the minimum amount of lead possible will be used for all tasks.							
Explain why a safer alternative cannot be used:							
Specified by the client.							
Classification (tick all that apply):							
Physical Hazards							
Unstable Explosive		Flammable		Oxidising		Compressed Gas	
							
Applicable: ☐		Applicable: ☐		Applicable: ☐		Applicable: ☐	
Health Hazards							Environmental
Toxic		Corrosive		Irritant		Resp. Sens/Health	
							
Applicable: ☐		Applicable: ☐		Applicable: ☐		Applicable: ☐	
Environmental							
		Applicable: ☐		Applicable: ☐		Applicable: ☐	
Hazard Type:							
Gas	Vapour	Mist	Fume	Dust	Liquid	Solid	Other:
						☒	
Route of Exposure:							
Inhalation		Skin		Eyes		Ingestion	
						☒	
Explosive Limits and Workplace Exposure Limits (WELs)							
Long-term exposure level (8hrTWA):				Short-term exposure level (15 mins):			
UEL: N/A in solid state				LEL: N/A in solid state			
Detail Potential Health Risks:							
Used in its solid state lead poses minimal hazard. Lead is a very heavy metal therefore manual handling tasks involving lead should be assessed and planned carefully. Ingestion of lead through contact with contaminated fingers etc. is unlikely to cause immediate adverse symptoms although prolonged or significant exposure can lead to a build up of lead in the body causing lead poisoning.							
Control & Recovery Measures Actioned: (for example extraction, ventilation, training, supervision).							

Include special measures for vulnerable groups, such as disabled people and pregnant workers. Take account of those substances that are produced from activities undertaken by another employer's employees.					
Ventilation:			Accidental Release & Spillage Plan :		
N/a in solid state and only cut with hand tools.			N/a in solid state and only cut with hand tools.		
Special Transport:			Signage, provision of information and instruction :		
Handle with extreme care as lead is very heavy.			Briefing of this assessment.		
Fire Precautions/Extinguisher Type:			Environmental Considerations :		
Extinguisher Type: Non flammable although lead will melt and release toxic fumes. Molten led could ignite other substances.			Do not disperse lead compounds in the atmosphere or allow to enter drains and river		
Storage Required:			Disposal Issues:		
No special requirements			Recycle if possible. Hazardous waste if disposed of.		
Is health surveillance or monitoring required for foreseeable exposure potential?					
Routine health screening	No	Personal air monitoring	No	Background air monitoring	No
Personal Protective Equipment (state type and standard)					
Item	Tick	Requirement	Item	Tick	Requirement
		Not in solid state using only hand tools			
		Not in solid state using only hand tools			
	✓	Wear chemical resistant gloves in cases of prolonged or repeated contact		✓	Issued uniform
	✓	Safety footwear (EN345 SB Compliant) due to weight of the metal. BS EN 345 compliant	Other		
First Aid Measures					
INHALATION: Move exposed person to fresh air at once. Get medical attention promptly. INGESTION: Do not induce vomiting. If person is conscious, rinse mouth thoroughly and encourage the drinking of large quantity of water. Get medical attention immediately. SKIN CONTACT: Remove all contaminated clothing and footwear immediately, unless it is stuck to the skin. Wash the affected skin immediately with soap and water. Get medical attention if irritation persists. EYE CONTACT: Make sure that any contact lenses are removed from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eyelids. Get medical attention immediately.					
Disposal Instructions for substance and empty containers:					
Hazardous Waste		✓	General Waste		
Return to Depot			Return to Supplier		
Other/Notes:					
Is exposure adequately controlled?				Yes	✓
Risk Rating Following Above Controls:				High	Med
				Low	✓