

ID#:	3773249	User making request:	N/A
Fax:		Phone:	
Email:		Date Created:	11/04/2019
Date Assessment Reviewed	11/04/2019	Next Review Date:	11/04/2022
Material Code:	73934	Tradename:	SILICA DUST EXPOSURE
Supplier:	NOT APPLICABLE	IMC:	
Keyword:	Dust (Silica)	Frequency of use:	Daily
Approximately how much of the material is used by one person in one working day:	10grams - 500grams	How many people are directly exposed?:	1
Are any other people put at risk from indirect exposure?:	No	How are they exposed?:	0 - 1HR
Are there any susceptible workers?:		Susceptible Categories:	
Other info:		Is this material being used outside of the normal temperature range?:	No
Additional work practices:	Health monitoring		
Existing Control measures:			
Exp Limit	Respirable silica 0.1mg/m3 8hTWA WEL, Quartz (SiO2) (non respirable fraction) 10mg/m3 Inhal8hTWA 4mg/m3 Resp8hTWA WEL		
Notes			

Files Uploaded

File Name




Activities

Act No.	Method	Area	Exposure
97	Direct Exposure	Inside Poorly Ventilated	2 to 4 hours per shift

Work Area

Work Area Code	Sub Area Code
TELECOMS	

Safer Substitute Chosen No Reason for leaving/swapping material

MATERIAL/PROCESS				HEALTH HAZARDS	CONSIDERATIONS
SILICA DUST EXPOSURE				May cause damage to organs through prolonged or repeated exposure through inhalation May cause ill health if ingested in quantity Skin - irritation and dermatitis may result from prolonged contact May cause eye irritation	    
MEDIUM HAZARD					
SOLID					
SUPPLIER	NOT APPLICABLE				
KEYWORD	Dust (Silica)				
CONTENTS					
Quartz (SiO2) (non respirable fraction), Respirable silica > 10%, The dust contains indeterminate levels of respirable fraction of silica dust that could exceed 10% of the total silica dust. The assessment has been compiled on worst case scenario basis.		SIGNAL WORD WARNING			
		EXP LIMIT Respirable silica 0.1mg/m3 8hTWA WEL, Quartz (SiO2) (non respirable fraction)			
METHOD	Direct Exposure	AREA	Inside Poorly Ventilated	EXPOSURE TIME	2 to 4 hours per shift
MEDIUM ACUTE RISK - FULL EXPOSURE		MEDIUM CHRONIC RISK - FULL EXPOSURE		SPILLAGE	
				Ventilate area Wear heavy duty impervious gloves Wear eye protection if contact likely Suitable respiratory protection must be worn Wear protective overalls and footwear for large spillages Scoop or scrape up and place in suitable container Dispose or recycle of spillages in a controlled manner - Refer to Hazardous Waste Regulations if appropriate	
CONTROL MEASURES		MEDIUM ACUTE RISK - INDIVIDUAL ACTIVITY	MEDIUM CHRONIC RISK - INDIVIDUAL ACTIVITY		
					
KEEP SKIN COVERED	HEAVYDUTY IMPERVIOUS	PROTECTIVE FOOTWEAR	BS EN166	AND	WATER SUPPRESSION AND
					
FILTER TYPE P3	WASH AFTER EXPOSURE	IF HEAVILY SOILED	SWEEP OR VACUUM	CHRONIC HAZARD	
				FIRST AID	
				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	
				FIRE	
				Isolated small scale fire: Water - carbon dioxide - foam - inert material Large fire: evacuate area, call fire brigade or follow site procedure Wear self-contained breathing apparatus and protective clothing	

MATERIAL/PROCESS

SILICA DUST EXPOSURE

SUPPLIER

NOT APPLICABLE

KEYWORD

Dust (Silica)

SIGNAL WORD

WARNING

MEDIUM HAZARD

SOLID

METHOD Direct Exposure

AREA Inside Poorly Ventilated

EXPOSURE TIME 2 to 4 hours per shift

ACTIVITY COMMENTS

MEDIUM ACUTE RISK - FULL EXPOSURE

MEDIUM CHRONIC RISK - FULL EXPOSURE

CONTROL MEASURES

MEDIUM ACUTE RISK - INDIVIDUAL ACTIVITY

MEDIUM CHRONIC RISK - INDIVIDUAL ACTIVITY

KEEP SKIN COVERED

HEAVYDUTY IMPERVIOUS

PROTECTIVE FOOTWEAR

BS EN166

AND

CHRONIC HAZARD

WATER SUPPRESSION AND

SWEEP OR VACUUM

FILTER TYPE P3

CHRONIC HAZARD

WASH AFTER EXPOSURE

CHRONIC HAZARD

IF HEAVILY SOILED

CHRONIC HAZARD

HEALTH HAZARDS

May cause damage to organs through prolonged or repeated exposure through inhalation

May cause ill health if ingested in quantity

Skin - irritation and dermatitis may result from prolonged contact

May cause eye irritation





REQUEST DETAILS	#ID:	3773249	User making request:	N/A
MATERIAL DETAILS	Material Code:	73934	<div>MEDIUM UNCONTROLLED ACUTE RISK</div> <div>MEDIUM UNCONTROLLED CHRONIC RISK</div> <div>LOW CONTROLLED ACUTE/CHRONIC RISK</div>	
Tradename:	SILICA DUST EXPOSURE			
IMC:	Supplier:	NOT APPLICABLE		

ACTIVITY DETAILS			
Act No.	Method	Area	Exposure
97	Direct Exposure	Inside Poorly Ventilated	2 to 4 hours per shift

SCENARIO DETAILS	Additional work practices:		Health monitoring		
Approximately how much of the material is used by one person in one working day:	10grams - 500grams	Frequency of use:	Daily	How many people are directly exposed?:	1
Are any other people put at risk from indirect exposure?:	No	How are they exposed?:	0 - 1HR		
Are there any susceptible workers?:	Susceptible Categories:				

WORK AREA	
Work Area Code	Sub Area Code
TELECOMS	

OTHER INFORMATION
-------------------

CONSIDERATIONS		Answer
	Has the elimination or substitution of this material been considered?	YES
	Have you implemented the use of the engineering controls before resorting to the use of RPE?	YES
	Have users been informed, instructed and trained in the use of the relevant risk control measures?	YES
	Are all personnel provided with necessary RPE, suitably trained in its correct use, maintenance, and storage and been fit tested where required?	YES



Are procedures to ensure the maintenance of controls in place?

YES



Are procedures to conduct exposure monitoring in place?

YES



Are procedures to undertake lung function tests in place?

YES



Are procedures to undertake chest X-Ray's in place?

YES



Are specific records for inspection of control measures, exposure monitoring health and/or surveillance suitably maintained?

YES



Have all actions to be taken in the event of an emergency been considered?

YES