

MATERIAL/PROCESS

SILICA DUST EXPOSURE

MEDIUM HAZARD

SOLID

SUPPLIER

NOT APPLICABLE

KEYWORD

Dust (Silica)

CONTENTS

Respirable silica, 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

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

CONSIDERATIONS



METHODDirect Exposure

AREAINside Poorly Ventilated

EXPOSURE TIME4 to 8 hours per shift

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


MEDIUM ACUTE RISK - FULL EXPOSURE

HIGH CHRONIC RISK - FULL EXPOSURE


CONTROL MEASURES

MEDIUM ACUTE RISK - INDIVIDUAL ACTIVITY


HIGH 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 - powder - foam - inert material  
Large fire: evacuate area, call fire brigade or follow site procedure  
Wear self-contained breathing apparatus and protective clothing