

ID#:	3773238	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:	238098	Tradename:	SAN EARTH M5C-DQ
Supplier:	SANKOSHA USA, INC	IMC:	
Keyword:	Concrete	Frequency of use:	Daily
Approximately how much of the material is used by one person in one working day:	UP TO 200KG	How many people are directly exposed?:	1
Are any other people put at risk from indirect exposure?:	Yes	How are they exposed?:	PASSING MEMBERS OF THE PUBLIC
Are there any susceptible workers?:	No	Susceptible Categories:	
Other info:		Is this material being used outside of the normal temperature range?:	No
Additional work practices:	THE MATERIAL WILL BE POURED INTO AN EXCAVATION AND THEN MIXED WITH LOCAL SOIL		
Existing Control measures:	i.e. Fume Cabinet, Local Exhaust Ventilation etc...		
Exp Limit	Respirable silica 0.1mg/m3 8hTWA WEL, Portland cement 10mg/m3 Inhal8hTWA 4mg/m3 Resp8hTWA WEL, Graphite 10mg/m3 Inhal8hTWA 4mg/m3 Resp8hTWA WEL		
Notes	Classification based upon contents stated within supplier's safety data sheet rather than upon supplier's classification.		

Files Uploaded

File Name

Activities

Act No.	Method	Area	Exposure
1	Indirect Exposure	Outside	1/2 to 2 hours per shift
2	Mixing	Outside	1/2 to 2 hours per shift

Work Area

Work Area Code	Sub Area Code
TELECOMS	

Safer Substitute Chosen	Reason for leaving/swapping material

MATERIAL/PROCESS

HEALTH HAZARDS

CONSIDERATIONS

SAN EARTH M5C-DQ

HIGH HAZARD

SOLID

SUPPLIER

SANKOSHA USA, INC

KEYWORD

Concrete

CONTENTS

Graphite, Portland cement, Respirable silica 2.00 - 5.00%,
Coke (petroleum), calcined
Petroleum coke

SIGNAL WORD

DANGER

EXP LIMIT

Respirable silica 0.1mg/m3 8hTWA WEL,
Portland cement 10mg/m3 Inhal8hTWA



Causes serious eye damage
May cause respiratory irritation
Causes skin irritation
Contact with cement may cause an allergic skin reaction and skin sensitisation to chromates
Prolonged skin contact can cause burns/skin ulceration
Skin contact with cement can cause irritant contact dermatitis
Prolonged inhalation may lead to long term lung damage



METHOD

Indirect Exposure

AREA

Outside

EXPOSURE TIME

1/2 to 2 hours per shift

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

BS EN166 GRADE 3

AND

LEV OR

FILTER TYPE P2



WASH AFTER EXPOSURE

IF SOILED

SWEEP OR VACUUM

SPILLAGE

Ventilate area
Wear heavy duty impervious gloves
Suitable eye protection must be worn
Suitable respiratory protection must be worn
Wear protective overalls & chemical proof footwear
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

FIRST AID

Ensure access to eyewash station for emergency use
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 contact - irrigate using eyewash & get immediate medical attention
Skin - wash with soap/cleanser and rinse with water
If irritation persists then consult a doctor

FIRE

Isolated small scale fire:
Water - carbon - inert - water fog - foam - powder
Large fire: evacuate area, call fire brigade or follow site procedure
Wear self-contained breathing apparatus and protective clothing

ACTIVITY COMMENTS

Other people in the area - if significant exposure envisaged - Use RPE as interim pending monitoring or for one-off tasks. If LEV used, monitor to verify it controls to below the OEL

This assessment was compiled by Alcumus Sypol Limited from supplier's safety data sheets where appropriate. Safety in the use of assessments is the responsibility of the subscriber. For advice call the helpdesk on 01296 678464

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MATERIAL/PROCESS

SAN EARTH M5C-DQ

HIGH HAZARD

SOLID

SUPPLIER

SANKOSHA USA, INC

KEYWORD

Concrete

CONTENTS

Graphite, Portland cement, Respirable silica 2.00 - 5.00%,
Coke (petroleum), calcined
Petroleum coke

SIGNAL WORD

DANGER



EXP LIMIT

Respirable silica 0.1mg/m3 8hTWA WEL,
Portland cement 10mg/m3 Inhal8hTWA

HEALTH HAZARDS

Causes serious eye damage
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Prolonged skin contact can cause burns/skin ulceration
Skin contact with cement can cause irritant contact dermatitis
Prolonged inhalation may lead to long term lung damage

CONSIDERATIONS



METHOD

Mixing

AREA

Outside

EXPOSURE TIME

1/2 to 2 hours per shift

SPILLAGE

Ventilate area
Wear heavy duty impervious gloves
Suitable eye protection must be worn
Suitable respiratory protection must be worn
Wear protective overalls & chemical proof footwear
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


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




BS EN166 GRADE 3




AND




LEV OR




FILTER TYPE P3




WASH AFTER EXPOSURE




IF SOILED



CLOSE ALL CONTAINERS



SWEEP OR VACUUM



ACUTE HAZARD

FIRST AID

Ensure access to eyewash station for emergency use
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
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Eye contact - irrigate using eyewash & get immediate medical attention
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MATERIAL/PROCESS

SAN EARTH M5C-DQ



SUPPLIER SANKOSHA USA, INC

KEYWORD Concrete

SIGNAL WORD DANGER

HIGH HAZARD

SOLID



METHOD Indirect Exposure

AREA Outside

EXPOSURE TIME 1/2 to 2 hours per shift

ACTIVITY COMMENTS

MEDIUM ACUTE RISK - FULL EXPOSURE


MEDIUM CHRONIC RISK - FULL EXPOSURE

Other people in the area - if significant exposure envisaged - Use RPE as interim pending monitoring or for one-off tasks. If LEV used, monitor to verify it controls to below the OEL


CONTROL MEASURES

MEDIUM ACUTE RISK - INDIVIDUAL ACTIVITY


MEDIUM CHRONIC RISK - INDIVIDUAL ACTIVITY




KEEP SKIN COVERED




HEAVYDUTY IMPERVIOUS




BS EN166 GRADE 3




AND




LEV OR




FILTER TYPE P2



WASH AFTER EXPOSURE



IF SOILED



SWEEP OR VACUUM

HEALTH HAZARDS

Causes serious eye damage

May cause respiratory irritation

Causes skin irritation

Contact with cement may cause an allergic skin reaction and skin sensitisation to chromates

Prolonged skin contact can cause burns/skin ulceration

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Prolonged inhalation may lead to long term lung damage

MATERIAL/PROCESS

SAN EARTH M5C-DQ



SUPPLIER SANKOSHA USA, INC

KEYWORD Concrete

SIGNAL WORD DANGER

HIGH HAZARD

SOLID



METHOD Mixing

AREA Outside

EXPOSURE TIME 1/2 to 2 hours per shift

ACTIVITY COMMENTS

MEDIUM ACUTE RISK - FULL EXPOSURE










MEDIUM CHRONIC RISK - FULL EXPOSURE

Poured into an excavation and then mixed with local soil - Use RPE as interim pending monitoring or for one-off tasks. If LEV used, monitor to verify it controls to below the OEL

CONTROL MEASURES

MEDIUM ACUTE RISK - INDIVIDUAL ACTIVITY

MEDIUM CHRONIC RISK - INDIVIDUAL ACTIVITY



KEEP SKIN COVERED

HEAVYDUTY IMPERVIOUS

BS EN166 GRADE 3

AND



LEV OR

FILTER TYPE P3

WASH AFTER EXPOSURE

IF SOILED

CLOSE ALL CONTAINERS



SWEEP OR VACUUM

ACUTE HAZARD

HEALTH HAZARDS

Causes serious eye damage

May cause respiratory irritation

Causes skin irritation

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Prolonged inhalation may lead to long term lung damage

REQUEST DETAILS	#ID:	3773238	User making request:	N/A
MATERIAL DETAILS	Material Code:	238098	<div>MEDIUM UNCONTROLLED ACUTE RISK</div> <div>MEDIUM UNCONTROLLED CHRONIC RISK</div> <div>LOW CONTROLLED ACUTE/CHRONIC RISK</div>	
Tradename:	SAN EARTH M5C-DQ			
IMC:	Supplier:	SANKOSHA USA, INC		





Act No.	Method	Area	Exposure
1	Indirect Exposure	Outside	1/2 to 2 hours per shift
2	Mixing	Outside	1/2 to 2 hours per shift

SCENARIO DETAILS	Additional work practices:	THE MATERIAL WILL BE POURED INTO AN EXCAVATION AND THEN MIXED WITH LOCAL SOIL		
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Are any other people put at risk from indirect exposure?:	Yes	How are they exposed?:	PASSING MEMBERS OF THE PUBLIC	
Are there any susceptible workers?:	No	Susceptible Categories:		

WORK AREA	Sub Area Code
Work Area Code	
TELECOMS	

OTHER INFORMATION

Classification based upon contents stated within supplier's safety data sheet rather than upon supplier's classification.

CONSIDERATIONS	Answer
<div> Have you considered all components used in this task?</div>	YES
<div> Has the elimination or substitution of this material been considered?</div>	YES
<div> If available, have you considered purchasing pre-diluted or pre-mixed products?</div>	NO
<div> Have you implemented the use of the engineering controls before resorting to the use of RPE?</div>	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 skin checks in place?

YES



Are First Aiders trained in the specific First Aid requirements for this material?

YES