EXPOSURE SCENARIO REPORT www.alcumusgroup.com

ID#: 3475629 User making request: Dorrett Bryan

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Email: dorrett.bryan@morrisonus.com Date Created: 06/02/2018

Date Assessment Reviewed 06/02/2018 Next Review Date: 06/02/2019

Material Code: 182392 Tradename: ULTRACRETE M60

Supplier Code: 12078 Supplier: INSTARMAC GROUP PLC

Supplier Phone: 01827 872244 IMC:

Keyword: Cement Frequency of use: Daily

Approximately how much of the material is

used by one person in one working day: 2-3 25KG BAGS

Are any other people put at risk from No How are they exposed?:

indirect exposure?:

Are there any susceptible workers?: No Susceptible Categories:

Other info: Is this material being used outside of the

normal temperature range?: No

How many people are directly exposed?: 2-5

Additional work practices:

Existing Control measures:

Exp Limit Respirable silica 0.1mg/m3 8hTWA WEL, Portland cement 10mg/m3 Inhal8hTWA 4mg/m3 Resp8hTWA WEL, Calcium carbonate

10mg/m3 Inhal8hTWA 4mg/m3 Resp8hTWA WEL, Quartz (SiO2) (non respirable fraction) 10mg/m3 Inhal8hTWA 4mg/m3

Resp8hTWA WEL

Notes Classification is based on the contents stated in the suppliers safety data sheet rather than the suppliers classification

Files Uploaded

File Name

M60 July2010.pdf

Activities

Act No. Method Area Exposure

Confined Space 4 to 8 hours per shift 11 Mixing **Confined Space** Up to 1/2 hour per shift 12 Mixing 13 Mixing Outside 4 to 8 hours per shift 14 Outside Up to 1/2 hour per shift Mixing

Work Area

Work Area Code Sub Area Code

JOB PACK

Safer Substitute Chosen Reason for leaving/swapping material

FACILITY JOB PACK MAIN JOB PACK **SUB** 182392

MATERIAL/PROCESS

ULTRACRETE M60

HIGH HAZARD

INSTARMAC GROUP PLC SUPPLIER

KEYWORD Cement

CONTENTS

Calcium carbonate 10 - 30%, Portland cement 10 - 30%, Quartz (SiO2) (non respirable fraction) 30 - 60%, Respirable

silica < 10%, High Alumina Cement: 1-10%

SIGNAL WORD DANGER

EXP LIMIT

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

HEALTH HAZARDS

Causes serious eye damage Causes skin irritation

May cause respiratory irritation

May cause an allergic skin reaction

Prolonged skin contact can cause burns/skin ulceration

May cause ill health if ingested in quantity







METHOD Mixing

AREA Confined Space

EXPOSURE TIME 4 to 8 hours per shift

HIGH CHRONIC RISK - FULL EXPOSURE

HIGH ACUTE RISK - INDIVIDUAL ACTIVITY

HIGH CHRONIC RISK - INDIVIDUAL ACTIVITY

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

Do not dry sweep - either suppress dust or clear using hepa vacuum

Dispose or recycle of spillages in a controlled manner



CONTROL MEASURES



MONITOR 02 LEVEL

HIGH ACUTE RISK - FULL EXPOSURE



IMPERVIOUS OVERALLS



HEAVYDUTY IMPERVIOUS



WET CEMENT





GRADE 3





Ensure access to eyewash station for emergency use

Inhalation - remove to fresh air and rest

After a significant exposure or if feeling unwell call for medical assistance immediately

Ingestion - do not induce vomiting

Ingestion - wash out mouth with water

If feeling unwell consult your doctor immediately

Eye contact - irrigate using eyewash & get immediate medical attention

Skin - remove contaminated clothing

In case of burns immerse affected area in water

Get prompt medical attention



SWEEP OR

VACUUM





LEV AND

SENSITISER/AC

UTE HAZARD



EN137 OR 14593/14594



WASH AFTER **EXPOSURE**



AT END OF SHIFT



CLOSE ALL CONTAINERS

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



ACTIVITY COMMENTS

Refer to Confined Spaces Regulations 1997 and your specific Confined Spaces Risk Assessment for further requirements. Refer to assessment for material to be mixed for any further precautions. Mixing with water prior to application.

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



FACILITY JOB PACK MAIN JOB PACK **SUB** 182392

MATERIAL/PROCESS

ULTRACRETE M60

HIGH HAZARD

INSTARMAC GROUP PLC SUPPLIER

KEYWORD Cement

CONTENTS

Calcium carbonate 10 - 30%, Portland cement 10 - 30%, Quartz (SiO2) (non respirable fraction) 30 - 60%, Respirable

silica < 10%, High Alumina Cement: 1-10%

SIGNAL WORD DANGER

EXP LIMIT

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

HEALTH HAZARDS

Causes serious eye damage Causes skin irritation

May cause respiratory irritation

May cause an allergic skin reaction

Prolonged skin contact can cause burns/skin ulceration

May cause ill health if ingested in quantity

CONSIDERATIONS





METHOD Mixing

AREA Confined Space

EXPOSURE TIME Up to 1/2 hour per shift SPILLAGE

HIGH CHRONIC RISK - FULL EXPOSURE

HIGH ACUTE RISK - INDIVIDUAL ACTIVITY

HIGH CHRONIC RISK - INDIVIDUAL ACTIVITY



Ventilate area

FIRST AID

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

Do not dry sweep - either suppress dust or clear using hepa vacuum

Dispose or recycle of spillages in a controlled manner







MONITOR 02 LEVEL

HIGH ACUTE RISK - FULL EXPOSURE



IMPERVIOUS OVERALLS



HEAVYDUTY IMPERVIOUS



WET CEMENT

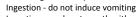


BS EN166



GRADE 3





Ingestion - wash out mouth with water

If feeling unwell consult your doctor immediately

Eye contact - irrigate using eyewash & get immediate medical attention

Skin - remove contaminated clothing

In case of burns immerse affected area in water

Get prompt medical attention



SWEEP OR

VACUUM





LEV AND

SENSITISER/AC

UTE HAZARD



EN137 OR 14593/14594



WASH AFTER **EXPOSURE**



IF SOILED



CLOSE ALL CONTAINERS

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



ACTIVITY COMMENTS

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Printed 09/01/2019

LATEST SAFETY DATA SHEET REFERENCE



FACILITY JOB PACK MAIN JOB PACK **SUB** 182392

HEALTH HAZARDS

Causes skin irritation May cause respiratory irritation

Causes serious eye damage

May cause an allergic skin reaction

Prolonged skin contact can cause burns/skin ulceration May cause ill health if ingested in quantity

MATERIAL/PROCESS

ULTRACRETE M60

HIGH HAZARD

INSTARMAC GROUP PLC SUPPLIER

KEYWORD Cement

METHOD Mixing

CONTROL MEASURES

FILTER TYPE P3

CONTENTS

Calcium carbonate 10 - 30%, Portland cement 10 - 30%, Quartz (SiO2) (non respirable fraction) 30 - 60%, Respirable

HIGH ACUTE RISK - FULL EXPOSURE

WASH AFTER

EXPOSURE

silica < 10%, High Alumina Cement: 1-10%

SIGNAL WORD DANGER

EXP LIMIT

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

EXPOSURE TIME 4 to 8 hours per shift

HIGH CHRONIC RISK - FULL EXPOSURE

HIGH ACUTE RISK - INDIVIDUAL ACTIVITY

Outside

AREA

HIGH CHRONIC RISK - INDIVIDUAL ACTIVITY









IMPERVIOUS HEAVYDUTY OVERALLS IMPERVIOUS



WET CEMENT

AT END OF

SHIFT



CLOSE ALL

CONTAINERS

BS EN166 GRADE 3



AND

SWEEP OR

VACUUM





SPILLAGE

Ventilate area

Ensure access to eyewash station for emergency use

Inhalation - remove to fresh air and rest

After a significant exposure or if feeling unwell call for medical assistance immediately

Ingestion - do not induce vomiting

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

Do not dry sweep - either suppress dust or clear using hepa vacuum

Ingestion - wash out mouth with water

If feeling unwell consult your doctor immediately

Eye contact - irrigate using eyewash & get immediate medical attention

Skin - remove contaminated clothing

In case of burns immerse affected area in water

ACUTE HAZARD Get prompt medical attention

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



CONSIDERATIONS











ACTIVITY COMMENTS

Mixing with water prior to application.

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FACILITY JOB PACK MAIN JOB PACK **SUB** 182392

MATERIAL/PROCESS

ULTRACRETE M60

HIGH HAZARD

INSTARMAC GROUP PLC SUPPLIER

KEYWORD Cement

CONTENTS

Calcium carbonate 10 - 30%, Portland cement 10 - 30%, Quartz (SiO2) (non respirable fraction) 30 - 60%, Respirable silica < 10%, High Alumina Cement: 1-10%

HIGH ACUTE RISK - FULL EXPOSURE

SIGNAL WORD DANGER

EXP LIMIT

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

HEALTH HAZARDS

Causes serious eye damage Causes skin irritation

May cause respiratory irritation

May cause an allergic skin reaction

Prolonged skin contact can cause burns/skin ulceration

May cause ill health if ingested in quantity





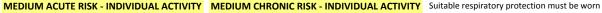


METHOD Mixing

CONTROL MEASURES

AREA Outside **EXPOSURE TIME** Up to 1/2 hour per shift SPILLAGE

HIGH CHRONIC RISK - FULL EXPOSURE









AND



LEV OR

Ventilate area

Wear heavy duty impervious gloves

Suitable eye protection must be worn

Wear protective overalls & chemical proof footwear

Scoop or scrape up and place in suitable container

Do not dry sweep - either suppress dust or clear using hepa vacuum

Dispose or recycle of spillages in a controlled manner





IMPERVIOUS







HEAVYDUTY

IMPERVIOUS

WASH AFTER **EXPOSURE**



WET CEMENT

IF SOILED





BS EN166

GRADE 3



CLOSE ALL CONTAINERS



SWEEP OR VACUUM





UTE HAZARD

FIRST AID

Ensure access to eyewash station for emergency use

Inhalation - remove to fresh air and rest

After a significant exposure or if feeling unwell call for medical assistance immediately

Ingestion - do not induce vomiting

Ingestion - wash out mouth with water

If feeling unwell consult your doctor immediately

Eye contact - irrigate using eyewash & get immediate medical attention

Skin - remove contaminated clothing

In case of burns immerse affected area in water

SENSITISER/AC Get prompt medical attention

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



ACTIVITY COMMENTS

Mixing with water prior to application.

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www.alcumusgroup.com **WORKER REFERENCE SHEET**

FACILITY JOB PACK **SUB** MAIN JOB PACK 182392

MATERIAL/PROCESS

ULTRACRETE M60

INSTARMAC GROUP PLC SUPPLIER

KEYWORD Cement **SIGNAL WORD** DANGER

HIGH HAZARD





METHOD Mixing

AREA Confined Space

EXPOSURE TIME 4 to 8 hours per shift

HIGH CHRONIC RISK - FULL EXPOSURE

HIGH CHRONIC RISK - INDIVIDUAL ACTIVITY

ACTIVITY COMMENTS

Refer to Confined Spaces Regulations 1997 and your specific Confined Spaces Risk Assessment for further requirements. Refer to assessment for material to be mixed for any further precautions. Mixing with water prior to application.

CONTROL MEASURES

HIGH ACUTE RISK - INDIVIDUAL ACTIVITY



MONITOR O2 LEVEL



IMPERVIOUS OVERALLS



HEAVYDUTY IMPERVIOUS



WET CEMENT



BS EN166 GRADE 3



AND



LEV AND



EN137 OR 14593/14594



HIGH ACUTE RISK - FULL EXPOSURE

WASH AFTER EXPOSURE



AT END OF SHIFT





CLOSE ALL CONTAINERS



SWEEP OR VACUUM



SENSITISER/ACUTE HAZARD

HEALTH HAZARDS

Causes serious eye damage

Causes skin irritation

May cause respiratory irritation

May cause an allergic skin reaction

Prolonged skin contact can cause burns/skin ulceration

May cause ill health if ingested in quantity



This worker sheet was compiled by Alcumus Sypol Limited from the full COSHH assessment. Refer to the full assessment for further information regarding all aspects of safe use. For advice call the helpdesk on 01296 678464





www.alcumusgroup.com **WORKER REFERENCE SHEET**

FACILITY JOB PACK **SUB** MAIN JOB PACK 182392

MATERIAL/PROCESS

ULTRACRETE M60

INSTARMAC GROUP PLC SUPPLIER

KEYWORD Cement **SIGNAL WORD** DANGER







METHOD Mixing

AREA Confined Space

EXPOSURE TIME Up to 1/2 hour per shift

HIGH CHRONIC RISK - FULL EXPOSURE

HIGH ACUTE RISK - INDIVIDUAL ACTIVITY HIGH CHRONIC RISK - INDIVIDUAL ACTIVITY **ACTIVITY COMMENTS**

Refer to Confined Spaces Regulations 1997 and your specific Confined Spaces Risk Assessment for further requirements. Refer to assessment for material to be mixed for any further precautions. Mixing with water prior to application.



CONTROL MEASURES



HIGH ACUTE RISK - FULL EXPOSURE



















MONITOR O2 LEVEL

IMPERVIOUS OVERALLS

HEAVYDUTY IMPERVIOUS

WET CEMENT

BS EN166 GRADE 3

AND

LEV AND

EN137 OR 14593/14594



WASH AFTER EXPOSURE



IF SOILED



CLOSE ALL CONTAINERS



SWEEP OR VACUUM



SENSITISER/ACUTE HAZARD

HEALTH HAZARDS

Causes serious eye damage

Causes skin irritation

May cause respiratory irritation

May cause an allergic skin reaction

Prolonged skin contact can cause burns/skin ulceration

May cause ill health if ingested in quantity



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WORKER REFERENCE SHEET www.alcumusgroup.com

FACILITY JOB PACK MAIN JOB PACK SUB 182392

MATERIAL/PROCESS

ULTRACRETE M60

SUPPLIER INSTARMAC GROUP PLC

KEYWORD Cement SIGNAL WORD DANGER



SOLID





METHOD Mixing

xing AREA Outside

EXPOSURE TIME 4 to 8 hours per shift
HIGH CHRONIC RISK - FULL EXPOSURE

ACTIVITY COMMENTS

Mixing with water prior to application.

HIGH ACUTE RISK - FULL EXPOSURE

HIGH CHRONIC RISK - INDIVIDUAL ACTIVITY

CONTROL MEASURES

HIGH ACUTE RISK - INDIVIDUAL ACTIVITY



IMPERVIOUS OVERALLS



HEAVYDUTY IMPERVIOUS



WET CEMENT



BS EN166 GRADE 3



AND



LEV OR



FILTER TYPE P3



WASH AFTER EXPOSURE



AT END OF SHIFT



CLOSE ALL CONTAINERS



SWEEP OR VACUUM



ACUTE HAZARD

HEALTH HAZARDS

Causes serious eye damage

Causes skin irritation

May cause respiratory irritation

May cause an allergic skin reaction

Prolonged skin contact can cause burns/skin ulceration

May cause ill health if ingested in quantity



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www.alcumusgroup.com **WORKER REFERENCE SHEET**

SUB FACILITY JOB PACK MAIN JOB PACK 182392

MATERIAL/PROCESS

ULTRACRETE M60

INSTARMAC GROUP PLC SUPPLIER

KEYWORD Cement **SIGNAL WORD** DANGER **HIGH HAZARD**





METHOD Mixing

AREA Outside

EXPOSURE TIME Up to 1/2 hour per shift

ACTIVITY COMMENTS

HIGH CHRONIC RISK - FULL EXPOSURE

Mixing with water prior to application.

CONTROL MEASURES

MEDIUM ACUTE RISK - INDIVIDUAL ACTIVITY

MEDIUM CHRONIC RISK - INDIVIDUAL ACTIVITY



HIGH ACUTE RISK - FULL EXPOSURE

IMPERVIOUS OVERALLS



HEAVYDUTY IMPERVIOUS



WET CEMENT



BS EN166 GRADE 3



AND



LEV OR



FILTER TYPE P3



WASH AFTER **EXPOSURE**



IF SOILED



CLOSE ALL CONTAINERS



SWEEP OR VACUUM



SENSITISER/ACUTE HAZARD

HEALTH HAZARDS

Causes serious eye damage

Causes skin irritation

May cause respiratory irritation

May cause an allergic skin reaction

Prolonged skin contact can cause burns/skin ulceration

May cause ill health if ingested in quantity



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COSHH CONTROL SHEET www.alcumusgroup.com

3475629 Dorrett Bryan **REQUEST DETAILS** #ID: User making request: 182392 **MATERIAL DETAILS Material Code:** HIGH UNCONTROLLED ACUTE RISK Tradename: HIGH UNCONTROLLED CHRONIC RISK **ULTRACRETE M60** LOW CONTROLLED ACUTE/CHRONIC RISK Supplier: IMC: INSTARMAC GROUP PLC **ACTIVITY DETAILS** Act No. Method Area **Exposure** 4 to 8 hours per shift 11 Mixing **Confined Space** Up to 1/2 hour per shift 12 Mixing **Confined Space** 13 4 to 8 hours per shift Mixing Outside Up to 1/2 hour per shift 14 Mixing Outside Additional work practices: **SCENARIO DETAILS** Approximately how much of the material is How many people are 2-5 2-3 25KG BAGS Frequency of use: Daily used by one person in one working day: directly exposed?: Are any other people put at risk from indirect No How are they exposed?: exposure?: Are there any susceptible workers?: No **Susceptible Categories: WORK AREA Work Area Code Sub Area Code** JOB PACK OTHER INFORMATION Classification is based on the contents stated in the suppliers safety data sheet rather than the suppliers classification **CONSIDERATIONS** Answer Have you considered all components used in this task? YES REG 6 Has the elimination or substitution of this material been considered? YES REG 7 If available, have you considered purchasing pre-diluted or pre-mixed products? YES REG 7

REG 7	Have you implemented the use of the engineering controls before resorting to the use of RPE?	YES
REG 8	Are all personnel provided with necessary RPE, suitably trained in its correct use, maintenance, and storage and been fit tested where required?	YES
17	Are procedures to ensure the maintenance of controls in place?	YES
	Are procedures to conduct exposure monitoring in place?	YES
Of the second	Are procedures to undertake skin checks in place?	YES
REG 13	Are First Aiders trained in the specific First Aid requirements for this material?	YES