EXPOSURE SCENARIO REPORT www.alcumusgroup.com

4015013 **User making request:** N/A ID#:

Fax:

Phone:

Date Created: 19/03/2020 Email:

Date Assessment Reviewed 19/03/2020 **Next Review Date:** 19/03/2023

Material Code: 71 Tradename: RECYCLED AGGREGATE

Supplier: TARMAC LIMITED. IMC:

Keyword: Bitumen Frequency of use: Daily

Approximately how much of the material is How many people are directly exposed?: 1 1 TONNE used by one person in one working day:

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

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:

indirect exposure?:

Existing Control measures:

Exp Limit Respirable silica 0.1mg/m3 8hTWA WEL, Glass 6mg/m3 8hTWA 2.4mg/m3 8hTWA, Quartz (SiO2) (non respirable fraction)

10mg/m3 Inhal8hTWA 4mg/m3 Resp8hTWA WEL, Bitumen 5mg/m3 WEL

Notes

Files Uploaded

File Name

Activities

6

7

Act No. Method Area **Exposure** 3 Spreading Outside

1/2 to 2 hours per shift Spreading Inside Well Ventilated 1/2 to 2 hours per shift Heating Outside 1/2 to 2 hours per shift Spreading Outside 1/2 to 2 hours per shift

Work Area

Work Area Code Sub Area Code

TELECOMS

Safer Substitute Chosen No Reason for leaving/swapping material

FACILITY TELECOMS MAIN **TELECOMS SUB**

MATERIAL/PROCESS

RECYCLED AGGREGATE

MEDIUM HAZARD

TARMAC LIMITED. **SUPPLIER**

KEYWORD Bitumen

CONTENTS

Quartz (SiO2) (non respirable fraction), Respirable silica < 10%, Bitumen, Glass,

EXP LIMIT

Respirable silica 0.1mg/m3 8hTWA WEL, Glass 6mg/m3 8hTWA 2.4mg/m3 8hTWA, **HEALTH HAZARDS**

May be harmful if vapour/mists/fumes from heated bitumen are inhaled

Skin - possible irreversible effects from prolonged contact if personal cleanliness ignored

May cause ill health if ingested in quantity

Skin - irritation and dermatitis may result from prolonged contact

Prolonged inhalation may lead to long term lung damage

May cause eye irritation



CONSIDERATIONS

71



METHOD Spreading

AREA Outside

EXPOSURE TIME 1/2 to 2 hours per shift SPILLAGE

MEDIUM ACUTE RISK - FULL EXPOSURE

MEDIUM CHRONIC RISK - FULL EXPOSURE

MEDIUM ACUTE RISK - INDIVIDUAL ACTIVITY MEDIUM CHRONIC RISK - INDIVIDUAL ACTIVITY Suitable respiratory protection must be worn

Ventilate area

Wear heavy duty impervious gloves

Wear eye protection if contact likely

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







IMPERVIOUS OVERALLS



HEAVYDUTY IMPERVIOUS



PROTECTIVE **FOOTWEAR**



SIGNAL WORD DANGER

IF CONTACT LIKELY



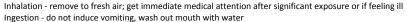


AND



LEV OR





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

Do not try to remove any adhering bitumen.



FILTER TYPE P3



WASH AFTER **EXPOSURE**



AT END OF SHIFT



CLOSE ALL CONTAINERS



CONTROLLED STORE /WASTE

FIRE

Isolated small scale fire:

Water fog - carbon dioxide - foam - inert material

Do not use water jet

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



ACTIVITY COMMENTS

Cold application of the material.

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

Printed 15/04/2021



DATE ASSESSMENT REVIEWED 19/03/2020

LATEST SAFETY DATA SHEET REFERENCE

08/2016

FACILITY TELECOMS MAIN **TELECOMS SUB**

MATERIAL/PROCESS

RECYCLED AGGREGATE

MEDIUM HAZARD

TARMAC LIMITED. **SUPPLIER**

KEYWORD

CONTENTS

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CONSIDERATIONS

71



METHOD Spreading

CONTROL MEASURES

MEDIUM ACUTE RISK - FULL EXPOSURE

AREA Inside Well Ventilated

EXPOSURE TIME 1/2 to 2 hours per shift SPILLAGE

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MEDIUM ACUTE RISK - INDIVIDUAL ACTIVITY MEDIUM CHRONIC RISK - INDIVIDUAL ACTIVITY Suitable respiratory protection must be worn











IF CONTACT LIKELY



AND



LEV OR



Ventilate area

Scoop or scrape up and place in suitable container

Wear protective overalls and footwear for large spillages

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Dispose or recycle of spillages in a controlled manner - Refer to Hazardous Waste Regulations if appropriate





IMPERVIOUS

OVERALLS

FILTER TYPE P3



HEAVYDUTY

IMPERVIOUS

WASH AFTER **EXPOSURE**



AT END OF SHIFT



CLOSE ALL CONTAINERS



CONTROLLED STORE /WASTE

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

Do not try to remove any adhering bitumen.



Isolated small scale fire:

Water fog - carbon dioxide - foam - inert material

Do not use water jet

Large fire: evacuate area, call fire brigade or follow site procedure

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CONSIDERATIONS

71



METHOD Heating

CONTROL MEASURES

CONTENTS

AREA Outside

EXPOSURE TIME 1/2 to 2 hours per shift SPILLAGE

MEDIUM ACUTE RISK - FULL EXPOSURE

MEDIUM CHRONIC RISK - FULL EXPOSURE

MEDIUM ACUTE RISK - INDIVIDUAL ACTIVITY MEDIUM CHRONIC RISK - INDIVIDUAL ACTIVITY Suitable respiratory protection must be worn





PROTECTIVE FOOTWEAR





IF CONTACT LIKELY

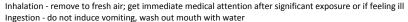


AND



Ventilate area

Wear heavy duty impervious gloves Wear eye protection if contact likely



Dispose or recycle of spillages in a controlled manner - Refer to Hazardous Waste Regulations if appropriate

If feeling unwell consult your doctor immediately

Wear protective overalls and footwear for large spillages Scoop or scrape up and place in suitable container

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

Do not try to remove any adhering bitumen.





IMPERVIOUS

OVERALLS

FILTER TYPE P3



HEAT

RESISTANT

WASH AFTER **EXPOSURE**



AT END OF

SHIFT



CONTROLLED STORE /WASTE

FIRE

Isolated small scale fire:

Water fog - carbon dioxide - foam - inert material

Do not use water jet

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



ACTIVITY COMMENTS

This activity covers the heating and application of bituminous materials.

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FACILITY TELECOMS MAIN **TELECOMS SUB**

MATERIAL/PROCESS

RECYCLED AGGREGATE

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CONSIDERATIONS

71



METHOD Spreading

AREA Outside

EXPOSURE TIME 1/2 to 2 hours per shift SPILLAGE

MEDIUM ACUTE RISK - FULL EXPOSURE

MEDIUM CHRONIC RISK - FULL EXPOSURE

MEDIUM ACUTE RISK - INDIVIDUAL ACTIVITY MEDIUM CHRONIC RISK - INDIVIDUAL ACTIVITY Suitable respiratory protection must be worn

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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







IMPERVIOUS OVERALLS



HEAVYDUTY IMPERVIOUS



PROTECTIVE **FOOTWEAR**



SIGNAL WORD DANGER

IF CONTACT LIKELY



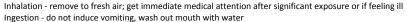


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Do not try to remove any adhering bitumen.



FILTER TYPE P3



WASH AFTER **EXPOSURE**



AT END OF SHIFT



CLOSE ALL CONTAINERS



CONTROLLED STORE /WASTE

FIRE

Isolated small scale fire:

Water fog - carbon dioxide - foam - inert material

Do not use water jet

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



ACTIVITY COMMENTS

Cold application of the material.

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Printed 15/04/2021



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08/2016

SUB 71 FACILITY TELECOMS MAIN **TELECOMS**

MATERIAL/PROCESS

RECYCLED AGGREGATE

TARMAC LIMITED. **SUPPLIER**

KEYWORD Bitumen SIGNAL WORD DANGER





METHOD Spreading

AREA Outside

EXPOSURE TIME 1/2 to 2 hours per shift

MEDIUM CHRONIC RISK - FULL EXPOSURE

ACTIVITY COMMENTS

Cold application of the material.

CONTROL MEASURES

MEDIUM ACUTE RISK - INDIVIDUAL ACTIVITY

MEDIUM CHRONIC RISK - INDIVIDUAL ACTIVITY



MEDIUM ACUTE RISK - FULL EXPOSURE

IMPERVIOUS OVERALLS



HEAVYDUTY IMPERVIOUS



PROTECTIVE FOOTWEAR



IF CONTACT LIKELY



AND



LEV OR



FILTER TYPE P3



WASH AFTER EXPOSURE



AT END OF SHIFT



CLOSE ALL CONTAINERS



CONTROLLED STORE /WASTE

HEALTH HAZARDS

May be harmful if vapour/mists/fumes from heated bitumen are inhaled

Skin - possible irreversible effects from prolonged contact if personal cleanliness ignored

May cause ill health if ingested in quantity

Skin - irritation and dermatitis may result from prolonged contact

Prolonged inhalation may lead to long term lung damage

May cause eye irritation



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SUB 71 FACILITY TELECOMS MAIN **TELECOMS**

MATERIAL/PROCESS

RECYCLED AGGREGATE

TARMAC LIMITED. **SUPPLIER**

KEYWORD Bitumen SIGNAL WORD DANGER





METHOD Spreading

AREA Inside Well Ventilated

EXPOSURE TIME 1/2 to 2 hours per shift

ACTIVITY COMMENTS

MEDIUM ACUTE RISK - FULL EXPOSURE

MEDIUM CHRONIC RISK - FULL EXPOSURE

Cold application of the material.

CONTROL MEASURES

MEDIUM ACUTE RISK - INDIVIDUAL ACTIVITY

MEDIUM CHRONIC RISK - INDIVIDUAL ACTIVITY



IMPERVIOUS OVERALLS



HEAVYDUTY IMPERVIOUS



PROTECTIVE FOOTWEAR



IF CONTACT LIKELY



AND



LEV OR



FILTER TYPE P3



WASH AFTER EXPOSURE



AT END OF SHIFT



CLOSE ALL CONTAINERS



CONTROLLED STORE /WASTE

HEALTH HAZARDS

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FACILITY TELECOMS MAIN **TELECOMS SUB** 71

MATERIAL/PROCESS

RECYCLED AGGREGATE

TARMAC LIMITED. **SUPPLIER**

KEYWORD Bitumen SIGNAL WORD DANGER

MEDIUM HAZARD



METHOD Heating

AREA Outside

EXPOSURE TIME 1/2 to 2 hours per shift

ACTIVITY COMMENTS

MEDIUM CHRONIC RISK - FULL EXPOSURE

This activity covers the heating and application of bituminous materials.

CONTROL MEASURES

MEDIUM ACUTE RISK - INDIVIDUAL ACTIVITY

MEDIUM CHRONIC RISK - INDIVIDUAL ACTIVITY



MEDIUM ACUTE RISK - FULL EXPOSURE

















IMPERVIOUS OVERALLS

PROTECTIVE FOOTWEAR

IF CONTACT LIKELY

AND

LEV OR

FILTER TYPE P3

WASH AFTER **EXPOSURE**







CONTROLLED STORE /WASTE

HEALTH HAZARDS

May be harmful if vapour/mists/fumes from heated bitumen are inhaled

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SUB 71 FACILITY TELECOMS MAIN **TELECOMS**

MATERIAL/PROCESS

RECYCLED AGGREGATE

TARMAC LIMITED. **SUPPLIER**

KEYWORD Bitumen SIGNAL WORD DANGER





METHOD Spreading

AREA Outside

EXPOSURE TIME 1/2 to 2 hours per shift

MEDIUM CHRONIC RISK - FULL EXPOSURE

ACTIVITY COMMENTS

Cold application of the material.

CONTROL MEASURES

MEDIUM ACUTE RISK - INDIVIDUAL ACTIVITY

MEDIUM CHRONIC RISK - INDIVIDUAL ACTIVITY



MEDIUM ACUTE RISK - FULL EXPOSURE

IMPERVIOUS OVERALLS



HEAVYDUTY IMPERVIOUS



PROTECTIVE FOOTWEAR



IF CONTACT LIKELY



AND



LEV OR



FILTER TYPE P3



WASH AFTER EXPOSURE



AT END OF SHIFT



CLOSE ALL CONTAINERS



CONTROLLED STORE /WASTE

HEALTH HAZARDS

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CONTROL SHEET www.alcumusgroup.com

4015013 N/A **REQUEST DETAILS** #ID: User making request:

71 **MATERIAL DETAILS Material Code:** MEDIUM UNCONTROLLED ACUTE RISK

Tradename: RECYCLED AGGREGATE MEDIUM UNCONTROLLED CHRONIC RISK

LOW CONTROLLED ACUTE/CHRONIC RISK

Supplier: IMC: TARMAC LIMITED.

ACTIVITY DETAILS A -4 NI-

ACT NO.	ivietnod	Area	Exposure
3	Spreading	Outside	1/2 to 2 hours per shift
4	Spreading	Inside Well Ventilated	1/2 to 2 hours per shift
6	Heating	Outside	1/2 to 2 hours per shift
7	Spreading	Outside	1/2 to 2 hours per shift

Additional work practices: SCENARIO DETAILS

Approximately how much of the material is How many people are 1 TONNE 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

0.0 - 41- - -1

TELECOMS

OTHER INFORMATION

C	ONSIDERATIONS	ATIONS		
	€	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 you implemented the use of the engineering controls before resorting to the use of RPE?

YES



Are all personnel provided with necessary RPE, suitably trained in its correct use, maintenance, and storage and been fit tested where required?

