

ID#:	4015013	User making request:	N/A
Fax:		Phone:	
Email:		Date Created:	19/03/2020
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 used by one person in one working day:	1 TONNE	How many people are directly exposed?:	1
Are any other people put at risk from indirect exposure?:	No	How are they exposed?:	
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:			
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

Act No.	Method	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

Work Area

Work Area Code	Sub Area Code
TELECOMS	

Safer Substitute Chosen No Reason for leaving/swapping material

MATERIAL/PROCESS

CONSIDERATIONS

RECYCLED AGGREGATE

MEDIUM HAZARD

SOLID

SUPPLIER TARMAC LIMITED.  
KEYWORD Bitumen

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



SIGNAL WORD DANGER  
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

METHOD Spreading 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

  
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

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

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.

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.

Printed 15/04/2021

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



MATERIAL/PROCESS

RECYCLED AGGREGATE

HEALTH HAZARDS

CONSIDERATIONS

MEDIUM HAZARD

SOLID

SUPPLIER TARMAC LIMITED.  
KEYWORD Bitumen

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



SIGNAL WORD DANGER  
EXP LIMIT Respirable silica 0.1mg/m3 8hTWA WEL,  
Glass 6mg/m3 8hTWA 2.4mg/m3 8hTWA ,

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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



METHOD Spreading  
AREA Inside Well Ventilated  
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



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

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  
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FIRE  
Isolated small scale fire:  
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Do not use water jet  
Large fire: evacuate area, call fire brigade or follow site procedure  
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ACTIVITY COMMENTS  
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Printed 15/04/2021

MATERIAL/PROCESS

CONSIDERATIONS

RECYCLED AGGREGATE

MEDIUM HAZARD

SOLID

SUPPLIER

TARMAC LIMITED.

KEYWORD

Bitumen

CONTENTS

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



SIGNAL WORD

DANGER

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



METHOD

Heating

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



IMPERVIOUS  
OVERALLS



HEAT  
RESISTANT



PROTECTIVE  
FOOTWEAR



IF CONTACT  
LIKELY



AND



LEV OR



FILTER TYPE P3



WASH AFTER  
EXPOSURE



AT END OF  
SHIFT



CONTROLLED  
STORE /WASTE

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  
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Skin - wash with soap/cleanser and rinse with water; if irritation persists then consult a doctor  
Do not try to remove any adhering bitumen.

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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Printed 15/04/2021



MATERIAL/PROCESS

CONSIDERATIONS

RECYCLED AGGREGATE

MEDIUM HAZARD

SOLID

SUPPLIER

TARMAC LIMITED.

KEYWORD

Bitumen

CONTENTS

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



SIGNAL WORD

DANGER

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



METHOD

Spreading

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



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

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

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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



MATERIAL/PROCESS

RECYCLED AGGREGATE


SUPPLIER TARMAC LIMITED.

KEYWORD Bitumen

SIGNAL WORD DANGER

MEDIUM HAZARD

SOLID



METHOD Spreading

AREA Outside

EXPOSURE TIME 1/2 to 2 hours per shift

ACTIVITY COMMENTS Cold application of the material.


MEDIUM ACUTE RISK - FULL EXPOSURE

MEDIUM CHRONIC RISK - FULL EXPOSURE


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

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



MATERIAL/PROCESS

RECYCLED AGGREGATE


SUPPLIER TARMAC LIMITED.

KEYWORD Bitumen

SIGNAL WORD DANGER

MEDIUM HAZARD

SOLID



METHOD Spreading

AREA Inside Well Ventilated

EXPOSURE TIME 1/2 to 2 hours per shift

ACTIVITY COMMENTS Cold application of the material.


MEDIUM ACUTE RISK - FULL EXPOSURE

MEDIUM CHRONIC RISK - FULL EXPOSURE


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**

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

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May cause eye irritation

MATERIAL/PROCESS

RECYCLED AGGREGATE


SUPPLIER TARMAC LIMITED.

KEYWORD Bitumen

SIGNAL WORD DANGER

MEDIUM HAZARD

SOLID



METHOD Heating

AREA Outside

EXPOSURE TIME 1/2 to 2 hours per shift

ACTIVITY COMMENTS

MEDIUM ACUTE RISK - FULL EXPOSURE

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























IMPERVIOUS OVERALLS

HEAT RESISTANT

PROTECTIVE FOOTWEAR

IF CONTACT LIKELY

AND

LEV OR

FILTER TYPE P3

WASH AFTER EXPOSURE

AT END OF SHIFT

CONTROLLED STORE /WASTE

HEALTH HAZARDS

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

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MATERIAL/PROCESS

RECYCLED AGGREGATE


SUPPLIER TARMAC LIMITED.

KEYWORD Bitumen

SIGNAL WORD DANGER

MEDIUM HAZARD

SOLID



METHOD Spreading

AREA Outside

EXPOSURE TIME 1/2 to 2 hours per shift

ACTIVITY COMMENTS Cold application of the material.


MEDIUM ACUTE RISK - FULL EXPOSURE

MEDIUM CHRONIC RISK - FULL EXPOSURE


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

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

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

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Skin - irritation and dermatitis may result from prolonged contact

Prolonged inhalation may lead to long term lung damage

May cause eye irritation




REQUEST DETAILS	#ID:	4015013	User making request:	N/A
MATERIAL DETAILS	Material Code:	71	<div>MEDIUM UNCONTROLLED ACUTE RISK</div> <div>MEDIUM UNCONTROLLED CHRONIC RISK</div> <div>LOW CONTROLLED ACUTE/CHRONIC RISK</div>	
Tradename:	RECYCLED AGGREGATE			
IMC:	Supplier:	TARMAC LIMITED.		

ACTIVITY DETAILS			
Act No.	Method	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

SCENARIO DETAILS	Additional work practices:			
Approximately how much of the material is used by one person in one working day:	1 TONNE	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?:		
Are there any susceptible workers?:	No	Susceptible Categories:		

WORK AREA	Sub Area Code
Work Area Code	
TELECOMS	

OTHER INFORMATION
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CONSIDERATIONS	Answer
<div><div>Has the elimination or substitution of this material been considered?</div></div>	YES
<div><div>Have you implemented the use of the engineering controls before resorting to the use of RPE?</div></div>	YES
<div><div>Are all personnel provided with necessary RPE, suitably trained in its correct use, maintenance, and storage and been fit tested where required?</div></div>	YES



Are procedures to ensure the maintenance of controls in place?

YES



Are procedures to conduct exposure monitoring in place?

YES