



RISK & WORKING ENVIRONMENT ASSESSMENT

Contract Name:	Bartons Road, Havant	Contract No.	WG/19/7002
Client:	Bellway Homes		
Assessed By:	Eric Matthews	Signature:	
Activity/Process:	GROUND IMPROVEMENT - CONE HANDLING	Date:	03/06/2019
		RA Serial No.	GEN-RA 1032

Risk Assessment Matrix

	Likelihood				
	1	2	3	4	5
1	1	2	3	4	5
2	2	4	6	8	10
3	3	6	9	12	15
4	4	8	12	16	20
5	5	10	15	20	25

Likelihood Key

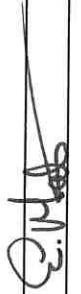
Score	Likelihood
1	Unlikely
2	May Happen
3	Likely
4	Very Likely
5	Certain

Severity Key

Score	Severity
1	Minor Injury (First Aid)
2	Minor Injury (Hospital Treatment)
3	Seven Day Injuries (Time Lost)
4	Major Injuries
5	Death

Risk Number	Associated Hazard	Person(s) Affected	Consequence	Risk Assessment			Control Measures	Residual Risk		
				L	S	R/R		L	S	R/R
1	Loading/Unloading vibro cone unto/from trailer bed	All Personnel in the vicinity	Impact Injuries Crushing	3	4	12	• Only trained, competent, authorised personnel CPCS Certified Loading Shovel Operator • Restricted access to area during process • Suitable and serviceable PPE to be used - Head, Hearing & Foot Protection	1	4	4
2	Rigging/De-Rigging Vibro Cone Cone detaching from clamp	All Personnel in the vicinity	Impact Injuries Crushing Entrapment	3	4	12	• Only trained, competent, authorised personnel CPCS Certified Loading Shovel Operator / rig operator • Restricted access to area during process • Suitable and serviceable PPE to be used • Head, Hearing & Foot Protection	1	4	4



Contract Name:	Bartons Road, Havant			Contract No.	WG/19/7002
Client:	Bellway Homes				
Assessed By:	Eric Matthews	Signature			
In Consultation With:	Michael Sheahan			Date:	03/06/2019
Activity/Process:	GI Testing (Plate Load & Dummy Footing Test)			RA Serial No.	GEN-RA 1078

Risk Assessment Matrix

Severity	Likelihood				
	1	2	3	4	5
	1	2	3	4	5
	2	4	6	8	10
	3	6	9	12	15
	4	8	12	16	20
5	10	15	20	25	

Likelihood Key

Score	Likelihood
1	Unlikely
2	May Happen
3	Likely
4	Very Likely
5	Certain

Severity Key

Score	Severity
1	Minor Injury (First Aid)
2	Minor Injury (Hospital Treatment)
3	Seven Day Injuries (Time Lost)
4	Major Injuries
5	Death

Risk Number	Associated Hazard	Person(s) Affected	Consequence	Risk Assessment Score			Residual Risk		
				L	S	R/R			
1	Unloading/loading test plates	All personnel in vicinity Site Personnel	Impact Crushing	2	4	8	1	4	4
2	Unloading by use of slinging	Slinger/signaller All personnel in vicinity	Multiple injuries Serious injuries Death	4	4	16	1	4	4
3	General Plant and Vibro Rig Operations	Site Personnel All Personnel in	Overturning of Plant/Rigs Multiple Injuries Impact Injuries Crushing Death	2	5	10	1	5	5

4	Manual Handling	Site Personnel	Sprains Strains Cuts Crushing Musculoskeletal Disorders Trapping Repetitive Strain Injuries	3	3	9	• Use of mechanical handling equipment - LS • Use of handling aids - Trolleys • Dual lifts where manual handling is unavoidable. • Specific manual handling training for employees. • Personal capability assessment where required.	1	3	3
5	Personal Injuries	Site Personnel	Head Injuries Upper and Lower Limb injuries, inc: - Impact - Crushing - Abrasions - Entrapment Head Injuries	3	3	9	• Activities carried out in accordance with task method statement. • Any required/necessary deviations must be risk assessed and briefed out. • Compliance with RBL PPE policy - head, eye, hand and foot protection worn at all times.	1	3	3
6	Head Injury	Site Personnel	Head Injuries	2	4	8	• Head protection to be worn on all RBL sites • Only trained machine operators to be used • PPE training as required	1	4	4
7	Hand/finger Injuries	Site Personnel	Impact Crushing Abrasions	3	2	6	• Suitable protective gloves worn on all sites • Training & Toolbox Talks to reinforce PPE • Activities carried out in accordance with current Method	1	2	3
8	Foot Injuries	Site Personnel	Impact Crushing Entrapment	3	3	9	• Suitable protective footwear to be worn at all times on • Training and toolbox talks to reinforce PPE.	1	3	3
9	Noise	Site Personnel	Hearing Impairment (long & short term) Tinnitus Acoustic Trauma Stress	3	2	6	• Provision of hearing protection - Ear defenders/plugs. • Compliance with RBL mandatory PPE policy. • Equipment selected on lowest noise output potential. • Regular maintenance and service of equipment.	1	2	2
10	Loading Shovel (LS) Operations	All Personnel in vicinity Site Personnel	Impact Injuries Crushing Multiple Injuries Death	3	5	15	• Only trained, competent, authorised personnel to operate lifting equipment and carry out slinging and signaling activities. • Comply with exclusion zones, traffic management systems and observe all speed restrictions. • Risk assess each lift and take account of lift area, items weight, dimensions and center of gravity. • Only use LOLER compliant equipment with correct SWL rating for intended lift.	1	5	5
11	Use of vibrating hand held tools	Site Personnel	HAVS conditions inc: - Sensory impairment (numbness) - Disrupted blood flow in hands (blanching and burning sensations) - Loss of hand/finger dexterity - VWF (vibration white finger)	3	4	12	• Select vibration equipment based on lowest vibration magnitudes. • Regular maintenance and service of equipment. • Rotate employees work schedule to reduce exposure time.	1	4	4

12	Manual Hand Held Tools	All personnel using hand tools	Contact Injury Eye Injury Cuts & Abrasions	3	3	9	• Instruction given in use of tool • Suitable and serviceable PPE to be used • Appropriate tool selection in a serviceable condition • Toolbox Talks and training • Compliance with Toolbox Talk 20	1	3	3
13	Vehicle operations on site	Site Personnel	Multiple Injuries Crushing Death Damage to Vehicles and Structures	3	5	15	• Compliance with site traffic management plan and local rules. • Observe all speed restrictions.	1	5	5
14	General Plant and Vibro Rig Operations	Site Personnel	Multiple Injuries Crushing Death	2	5	10	• Comply with the scope of defined exclusion zone. • Do not enter Rig/Plant exclusion zone without permission and acknowledgement from Rig - Foreman/Plant Operator and if safe to do so. • Observe and comply with pedestrian routes. • Compliance with RBL PPE policy - hi-vis garments. • Do not enter any deep excavation that has not been made safe.	1	5	5
15	General & Open Excavations inc Trenches	Site Personnel	Multiple Injuries Crushing Suffocation/Asphyxiation Fire Explosion Electrocution Drowning Death	4	5	20	• Comply with the requirements and controls in site specific safe systems of work e.g permit to dig • Effective planning and organisation of works to ensure activities/tasks do not encroach on excavations.	1	5	5
16	Operation of 360° & 180° Excavators	Plant Operators Site Personnel Visitors	Impact Crushing Death Damage to property	3	5	15	• Only trained and competent personnel authorised to use equipment. • Pre-use equipment checks inc all lifting accessories. • Maximum SWL of equipment not to be exceeded. • Enforce and comply with exclusion zones, traffic management systems and observe all speed limits. • Compliance with RBL PPE policy - hi-vis garments.	1	5	5



Contract Name:	Bartons Road, Havant		Contract No.	WG/19/7002
Client:	Bellway Homes			
Assessed By:	Eric Matthews	Signature:		
Activity/Process:	SPECIALISED - ALL DISCIPLINES		Date:	03/06/2019
			RA Serial No.	GEN-RA-1002

Risk Assessment Matrix

Severity	Likelihood				
	1	2	3	4	5
1	1	2	3	4	5
2	2	4	6	8	10
3	3	6	9	12	15
4	4	8	12	16	20
5	5	10	15	20	25

Likelihood Key

Score	Likelihood
1	Unlikely
2	May Happen
3	Likely
4	Very Likely
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Severity Key

Score	Severity
1	Minor Injury (First Aid)
2	Minor Injury (Hospital Treatment)
3	Seven Day Injuries (Time Lost)
4	Major Injuries
5	Death

Risk Number	Associated Hazard	Person(s) Affected	Consequence	Risk Assessment Score			Control Measures	Residual Risk		
				L	S	R/R		L	S	R/R
1	Recovery by Fall Arrest System: 1. Rig Operated whilst Climbing the Mast 2. Fall Arrest Malfunction. 3. Safety Line	Personnel involved in; Rigging, De-rigging, & Maintenance of Rigs	Crushing Falls from Height Entanglement/Entrapment Suspension Syncope	3	4	12	• Rig Operator to ensure the Rig is safe for use • Fall Arrest equipment must be in place and the user must carry out pre-use checks. • The user has the responsibility to check the safety line is free at all times • A suspension rescue plan must be in place • All Personnel must be Trained & Qualified to operate the fall arrest system. • Personnel effecting suspension rescue must be trained in appropriate actions	1	4	4



Contract Name:	Bartons Road, Havant		Contract No.	WG/19/7002
Client:	Bellway Homes			
Assessed By:	Eric Matthews		Date:	03/06/2019
Activity/Process:	GENERAL - FOR ALL DISCIPLINES		RA Serial No.	GEN-RA 1001

Risk Assessment Matrix

Severity	Likelihood				
	1	2	3	4	5
1	1	2	3	4	5
2	2	4	6	8	10
3	3	6	9	12	15
4	4	8	12	16	20
5	5	10	15	20	25

Likelihood Key

Score	Likelihood
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Severity Key

Score	Severity
1	Minor Injury (First Aid)
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5	Death

Risk Number	Associated Hazard	Person(s) Affected	Consequence	Risk Assessment Score			Residual Risk		
				L	S	R/R	L	S	R/R
1	Loading/Unloading machines & mobile plant	Site Personnel General Public	Crushing Impact Injuries Damage to property Death	4	5	20	1	5	5
2	Underground services	Operators All Personnel in vicinity	Electrocution Explosion Death	3	5	15	1	5	5
3	Overturning mobile plant	All personnel in vicinity	Impact Crushing	3	4	12	1	4	4
4	Manual Handling	Site Personnel	Sprains Strains Cuts Crushing Musculoskeletal Disorders Trapping Repetitive Strain Injuries Head Injuries	3	3	9	1	3	3
5	Head Injury	Site Personnel		2	4	8	1	4	4

6	Hand/finger injuries	Site Personnel	Impact Crushing Abrasions	3	2	6	• Suitable protective gloves worn on all sites • Training & Toolbox Talks to reinforce PPE • Activities carried out in accordance with current Method Statements • Suitable protective footwear to be worn at all times on all RBL sites. • Training and toolbox talks to reinforce PPE.	1	2	3
7	Foot Injuries	Site Personnel	Impact Crushing Entrapment	3	3	9	• RBL provide information and training and make hearing protection available (LEAV 80 dB) • RBL take reasonably practicable measures to reduce noise exposure (UEAV 85 dB) • Personnel not exposed to ELV 87 Db or 137 Db peak • All personnel must use hearing protection provided • Machinery serviced regularly and noise assessed • Appropriate PPE to be worn inc Fuel resistant gloves, coveralls and glasses • Supervisor to ensure correct PPE is utilised • Training in the dangers of hazardous materials & Toolbox Talks • Restricted access to area during unloading process • Ensure SWL for machine/attachment is not exceeded • Travel at speeds suitable for the ground conditions • The fork extensions are to be used where applicable • The FLT times are to be in a lowered position when moving around site, this includes moving materials • If using a crane a full lift plan must be in place • All Rebar must be protected by placing CEMCAPS onto protruding ends • Ensure correct size of CEMCAP is used appropriate to Rebar • Regular checks carried out to replace missing caps • Sufficient supply of CEMCAPS is maintained at site • Trained, competent, authorised personnel to operate forklift/excavator • Forks kept at maximum distance • Use internal site roads • Restricted access to area during unloading process • Monitoring of ground conditions to check for collapse of stored materials especially in inclement weather • Stacked material at safe & vertical height utilising wooded dunnage/chocks • The FLT times are to be in a lowered position when moving around site, this includes moving materials • Ground must be suitable to withstand the weight of materials to be stored • Only trained and competent Slingers used • Correct slinging techniques & equipment used • Equipment and accessories checks to be carried out in accordance with LOLER • Instruction given in use of tool • Suitable and serviceable PPE to be used • Appropriate tool selection in a serviceable condition • Toolbox Talks and training • Compliance with Toolbox Talk 20 • Traffic management plan to be put in place in accordance with CDM Regs • Maintain haul roads • Stick to site speed limits • Trained and competent operators/drivers • Maintain site security • Vehicles & pedestrian segregation	1	3	3
8	Noise	Site Personnel General Public	Hearing Impairment (long & short term)	3	2	6		1	2	2
9	Refuelling	All operatives	Dermatitis Eye Contamination Skin Cancer	3	3	9		1	3	3
10	Unloading/loading & transport of material	All personnel in vicinity	Impact Crushing	2	4	8		1	4	4
11	Placement of cem caps on rebar & setting out pins	Operatives Site Personnel General Public	Impalement Lacerations	3	4	12		1	4	4
12	Moving material into position & local storage	Pedestrians All personnel in vicinity	Crushing Impact Multiple Injuries Death	3	5	15		1	4	4
13	Unloading by use of slinging	Slinger/signaller All personnel in vicinity	Multiple injuries Serious injuries Death	4	4	16		1	4	4
14	Manual Hand Held Tools	All personnel using hand tools	Contact Injury Eye Injury Cuts & Abrasions	3	3	9		1	3	3
15	Vehicle Access & Egress	Site personnel Visitors Trespassers	Multiple Injuries Crushing Musculoskeletal Disorders Death Damage to Vehicles and Structures	3	5	15		1	4	4

16	Operation of Mobile Plant	All mobile plant	Back Pain Whole Body Vibration	4	2	8	- Regular machinery maintenance - Tyre pressure checks - Seat adjustment in accordance with manufacturers guidelines - Good maintenance of traffic routes - Instruction, Training and supervision - Vibration limits to be checked and set in accordance with equipment use specific to Exposure Action Value (EAV) and Exposure Limit Value (ELV) - Permit to dig system in operation - Plant & materials to be kept away from side of excavations to prevent undue pressure pressure or ingress of exhaust fumes - Shoring & edge protection measures to be put in place - Possible temporary works design for deep excavations - Suitable access/ egress arrangements must be available (ladders/ramps) - Where a risk of water ingress is present suitable methods of prevention should be put in place (water pumps) - Inspections should be carried out prior to each shift or change in weather conditions - Gas monitoring - Suitable and serviceable PPE to be used - Compliance with GEN-SMS 1003	1	2	2
17	General & Open Excavations inc Trenches	Site personnel All personnel in vicinity	Multiple Injuries Crushing Suffocation/Asphyxiation Fire Explosion Electrocution Drowning Death	4	5	20	- Examination carried out without entering manhole - Use suitable equipment & tools for heavy lifting of covers - Suitable and serviceable PPE to be used - Gloves - Overalls - Maintain good hygiene to prevent contamination - No eating, drinking or smoking - Compliance with GEN-SMS 1001 & Toolbox Talk 49	1	5	5
18	Removal of Manhole Covers For Inspection of Drains and Ducts	Site personnel	Back Strain Musculoskeletal Disorders Finger Trapping Human Infections - Leptospirosis Asphyxiation Poisoning	3	4	12	- Rig Operators are trained to CPCS standards - Operators constantly vigilant and ware of other site workers - Exclusion zone of 6-11metres (dependent upon Rig model) surrounding all RBL Piling Rigs is to be enforced - Operator to cease operation immediately if exclusion zone is breached - Main contractor requested to provide a clearly marked barrier zone for rig operations - Site briefing and inductions carried out to reinforce understanding and compliance - Compliance with GEN-WID 1047 - Rig Exclusion Zones - Exclude non essential staff from the work area - All operators to be CPCS certified - Traffic routes should be established and adhered to - Constant vigilance by operators during operations	1	4	4
19	Exclusion Zones for Piling Operations - reversing or manoeuvring rigs	All personnel in vicinity	Multiple injuries Crushing Death	2	5	10	- Use air operated hand tools where possible - Equipment fitted with industrial plugs to BS4343 with flexible leads - Power source should be 110v and centre tapped earth - Use of insulated tool - Surge protection (RCD) for 240v equipment - Maintained in accordance with manufacturers recommendations and legislative regulations	1	5	5
20	Collision with other contractors Plant and Personnel	All personnel in vicinity Site personnel Operatives	Impact Crushing Multiple Injuries Death	3	5	15	- Driver Licensed for Category of Vehicle - Periodic Driver Training Given - Periodic Licence Checks - Driver to Notify any Medical Conditions or Endorsements - Vehicle is in a Roadworthy Condition - Drivers handbook Issued - Topical Advice Issued Regularly - Management of driving & duty hours	1	5	5
21	Portable Electric Tools	Operatives Site personnel	Electrocution Fire Burns Death	3	5	15		1	5	5
22	Driving Activities	All drivers Site Users Public	Death Multiple Injuries Serious Injuries	3	5	15		2	5	10

MATERIAL/PROCESS

GLOBAL EP 80/90 GEAR OIL GL5

MEDIUM HAZARD

LIQUID

SUPPLIER GLOBAL LUBRICANTS LIMITED

KEYWORD Oil (Mineral)

CONTENTS

Mineral Oil,

SIGNAL WORD NONE

EXP LIMIT

Mineral Oil 5mg/m³ 8hTWA 10mg/m³
15mSTEL OEL

HEALTH HAZARDS

Mechanically degraded mineral oil may cause skin cancer
May cause ill health if ingested in quantity
May cause eye irritation

CONSIDERATIONS



METHOD Filling AREA Outside EXPOSURE TIME Up to 1/2 hour per shift

LOW RISK - FULL EXPOSURE

CONTROL MEASURES



KEEP SKIN COVERED



NITRILE OR PVA



IF CONTACT LIKELY



WASH AFTER EXPOSURE



IF HEAVILY SOILED

SPILLAGE

Ventilate area

Wear nitrile or pva gloves

Wear eye protection if contact likely

Wear respiratory protection for large spills in poorly ventilated areas

Wear protective overalls and footwear for large spillages

Absorb in sand or inert absorbent material

Small spills - wipe up with cloth

Collect into a container, close lid

Dispose or recycle of spillages in a controlled manner

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

Skin - wash with soap/cleanser and rinse with water
If irritation persists then consult a doctor

FIRE

Isolated small scale fire:

Water fog - carbon dioxide - powder - 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

Toxic fumes are produced when material is involved in a fire

ACTIVITY COMMENTS



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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 14/03/2016



ROGER BULLIVANT

FACILITY HEALTH

MAIN

GROUND IMPROVEMENT

SUB

MATERIAL/PROCESS

141/Q108 - LINEMARKER PAINT AEROSOL

MEDIUM HAZARD

AEROSOL

SUPPLIER COO-VAR

KEYWORD Paint (Aerosol)

CONTENTS

Propane 10 - 30%, n-Butane 10 - 30%, Acetone 10 - 30%, n-Butyl acetate 5 - 10%, Solvent naphtha (petroleum) light aromatic 5 - 10%, 1,2,4-trimethylbenzene 1 - 5%, Cumene 1 - 5%, Mesitylene 1 - 5%,

SIGNAL WORD DANGER

EXP LIMIT Acetone 1210mg/m³ 8hTWA 3620mg/m³
15mSTEL WEL, n-Butyl acetate 724mg/m³

HEALTH HAZARDS

Extremely flammable aerosol
Pressurised container: May burst if heated.
Causes serious eye irritation
Causes skin irritation
May cause drowsiness or dizziness
May cause ill health if ingested in quantity
Toxic to aquatic life with long lasting effects

CONSIDERATIONS



EXPOSURE TIME 2 to 4 hours per shift

METHOD Spraying (Aerosol)

AREA Outside

MEDIUM ACUTE RISK - FULL EXPOSURE

MEDIUM CHRONIC RISK - FULL EXPOSURE

CONTROL MEASURES

MEDIUM ACUTE RISK - INDIVIDUAL ACTIVITY

MEDIUM CHRONIC RISK - INDIVIDUAL ACTIVITY



IMPERVIOUS OVERALLS

PVA

BS EN156

AND

LEV OR

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 - rinse thoroughly with water for 20 minutes - take care not to affect uncontaminated eye. If irritation persists then consult a doctor
Skin - wash with soap/cleanser and rinse with water; if irritation persists then consult a doctor

FILTER TYPE P2

WASH AFTER EXPOSURE

IF SOILED

PRESSURISED

FIRE

Keep aerosol cans cool, do not burn for disposal
Isolated small scale fire:
Vapour may spread - distant ignition is possible
Carbon dioxide - powder - inert material, sand, earth, etc.
Large fire: evacuate area, call fire brigade or follow site procedure
Wear self-contained breathing apparatus and protective clothing
Keep containers cool with water spray
Risk of explosion if involved in a fire

ACTIVITY COMMENTS

Intermittent use of aerosol when line-marking - Minimal exposure/contact envisaged.



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ROGER BULLIVANT

Printed 21/12/2018

DATE ASSESSMENT REVIEWED 18/12/2018

LATEST SAFETY DATA SHEET REFERENCE

13/05/2015

FACILITY HEALTH

MAIN

GROUND IMPROVEMENT

SUB

MATERIAL/PROCESS

BLUECOL SCREENWASH

MEDIUM HAZARD

LIQUID

SUPPLIER TETROSYL LTD

KEYWORD Anti-Freeze

CONTENTS

Alcohols-C12-15, ethoxylated- < 0.5%, ethane-1,2-diol 5 - 10%, Ethanol 10 - 30%, Propan-2-ol 5 - 10%, Methanol 1.8%,

SIGNAL WORD WARNING

EXP LIMIT

ethane-1,2-diol 52mg/m³ Vap8hTWA
104mg/m³ Vap15mSTEL 10mg/m³

HEALTH HAZARDS

Flammable liquid and vapour

Causes serious eye irritation

May cause damage to organs through prolonged or repeated exposure if swallowed

Skin - irritation and dermatitis may result from prolonged contact

Excessive inhalation may cause ill health

CONSIDERATIONS



METHOD Mixing AREA Outside EXPOSURE TIME Up to 1/2 hour per shift

LOW RISK - FULL EXPOSURE

SPILLAGE

Mark the area and warn all personnel

Ventilate area and exclude all sources of ignition

Wear polythene or nitrile gloves

Suitable eye protection must be worn

Wear respiratory protection if spill is in a poorly ventilated space

Wear respiratory protection if whole container is spilt

Wear protective overalls and footwear for large spillages

Absorb in sand or inert absorbent material

Small spills - wipe up with cloth

Collect into a container, close lid

CONTROL MEASURES



AVOID SKIN CONTACT



POLYTHENE OR NITRILE



BS EN166



WASH AFTER EXPOSURE



IF HEAVILY SOILED

LOW RISK - INDIVIDUAL ACTIVITY

CLOSE ALL CONTAINERS



FLAMMABLE / ACUTE



FIRE

Isolated small scale fire:

Inert material - water fog

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

Refer to assessment for material to be mixed for any further precautions

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ROGER BULLIVANT

Printed 28/04/2017

DATE ASSESSMENT REVIEWED 25/02/2016

LATEST SAFETY DATA SHEET REFERENCE

19/09/2012

FACILITY HEALTH MAIN GROUND IMPROVEMENT SUB

MATERIAL/PROCESS

CHAIN & DRIVE SPRAY (AEROSOL)

MEDIUM HAZARD

AEROSOL

SUPPLIER ROLCO

KEYWORD Lubricant (Aerosol)

CONTENTS

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics 30 - 50%, Distillates (petroleum), hydrotreated heavy naphthenic 30 - 50%, Distillates (petroleum), hydrotreated light 1 - 10%, Carbon dioxide 1 - 10%, Contains long chain alkyl amine, long chain alkyl acid.

SIGNAL WORD

DANGER

Distillates (petroleum), hydrotreated light

1000mg/m³ 8hTWA OEL, Carbon dioxide

METHOD Spraying (Aerosol)

EXPOSURE TIME Up to 1/2 hour per shift

SPILLAGE

LOW ACUTE RISK - FULL EXPOSURE

LOW CHRONIC RISK - FULL EXPOSURE

CONTROL MEASURES

LOW ACUTE RISK - INDIVIDUAL ACTIVITY

LOW CHRONIC RISK - INDIVIDUAL ACTIVITY



KEEP SKIN COVERED



POLYTHENE OR NITRILE



IF CONTACT LIKELY



WASH AFTER USE



IF SOILED

HEALTH HAZARDS

Flammable aerosol
Pressurised container: May burst if heated.
May cause drowsiness or dizziness
Repeated exposure may cause skin dryness or cracking
May cause ill health if ingested in quantity
May cause eye irritation
May cause allergic reaction in susceptible individuals
Harmful to aquatic life with long lasting effects



CONSIDERATIONS



PRESSURISED

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

Keep aerosol cans cool, do not burn for disposal
Isolated small scale fire:
Vapour may spread - distant ignition is possible
Powder - foam - carbon dioxide (CO2)
Do not use water jet
Large fire: evacuate area, call fire brigade or follow site procedure
Wear self-contained breathing apparatus and protective clothing
Keep containers cool with water spray
Risk of explosion if involved in a fire

ACTIVITY COMMENTS

Intermittent use of aerosol spray.

Alcumus
Your Trusted Partner



ROGER BULLIVANT

Printed 22/10/2018

DATE ASSESSMENT REVIEWED 15/02/2016

LATEST SAFETY DATA SHEET REFERENCE

15/05/2018

COMMA XSTREAM DEICER

LOW HAZARD

LIQUID

SUPPLIER COMMA OIL & CHEMICALS LTD.

KEYWORD De-Icer

CONTENTS

Ethanol 30 - < 40%, Ethane-1,2-diol 5 - < 10%, Sodium hydroxide < 0.1%,

SIGNAL WORD WARNING

EXP LIMIT

Ethanol 1920mg/m³ 8hTWA WEL, Ethane-1,2-diol 52mg/m³ Vap8hTWA 104mg/m³

METHOD Spraying (Trigger Bottle)

AREA Outside

EXPOSURE TIME Up to 1/2 hour per shift

LOW RISK - FULL EXPOSURE

CONTROL MEASURES



AVOID SKIN CONTACT



IF OVEREXPOSURE LIKELY



IF CONTACT LIKELY



WASH AFTER EXPOSURE



IF HEAVILY SOILED



SPILLAGE

Mark the area and warn all personnel
Ventilate area and exclude all sources of ignition

Wear nitrile or pvc gloves

Wear eye protection if contact likely

Wear respiratory protection for large spills in poorly ventilated areas

Wear protective overalls and footwear for large spillages

Absorb in sand or inert absorbent material

Small spills - wipe up with cloth

Collect into a container, close lid

Dispose or recycle of spillages in a controlled manner

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

CLOSE ALL CONTAINERS

FLAMMABLE

FIRE

Isolated small scale fire:

Water - carbon dioxide - powder - inert material

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

Wear self-contained breathing apparatus and protective clothing

ACTIVITY COMMENTS

This assessment was compiled by Alcumus Sympol 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.



ROGER BULLIVANT

Printed 03/11/2017

HEALTH HAZARDS
Flammable liquid and vapour
May cause ill health if ingested in quantity
Skin - irritation and dermatitis may result from prolonged contact
May cause eye irritation

CONSIDERATIONS



FACILITY HEALTH MAIN GROUND IMPROVEMENT SUB

MATERIAL/PROCESS

DOT 5.1 BRAKE FLUID

HIGH HAZARD

LIQUID

SUPPLIER TETROSYL LTD
KEYWORD Lubricant

CONTENTS

2-(2-methoxyethoxy)ethanol 1 - 5%, 2-(2-(2-butoxyethoxy)ethoxy)ethanol 10 - 30%, 2,2'-oxydiethanol 10 - 30%,

SIGNAL WORD DANGER

EXP LIMIT 2-(2-methoxyethoxy)ethanol 50.1mg/m3
8hTWA 10ppm 8hTWA WEL, 2,2'-

HEALTH HAZARDS

Causes serious eye damage
Harmful if swallowed
Suspected of damaging the unborn child
May cause damage to organs through prolonged or repeated exposure if swallowed
Skin - irritation and dermatitis may result from prolonged contact

CONSIDERATIONS



METHOD Pouring AREA Outside EXPOSURE TIME Up to 1/2 hour per shift

LOW RISK - FULL EXPOSURE

CONTROL MEASURES



KEEP SKIN COVERED



POLYTHENE OR NITRILE



BS EN166 GRADE 3



AND



LEV OR



FILTER TYPE A2

SPILLAGE

Ventilate area
Wear polythene or nitrile gloves
Suitable eye protection must be worn
Suitable respiratory protection must be worn
Wear protective overalls and footwear for large spillages
Absorb in sand or inert absorbent material
Small spills - wipe up with cloth
Collect into a container, close lid
Dispose or recycle of spillages in a controlled manner

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
Ingestion - give plenty of water in sips
Ingestion - get immediate medical attention
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 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 28/04/2017



ROGER BULLIVANT

FACILITY HEALTH MAIN HQ SUB

MATERIAL/PROCESS

FLEETCOOL DCA-4 LIQUID

HIGH HAZARD

LIQUID

SUPPLIER CUMMINS FILTRATION (UK)

KEYWORD Additive

CONTENTS

Dipotassium hydrogen orthophosphate 5 - 10%, sodium nitrite 1 - 5%, Dipotassium adipate 1 - 5%, Potassium nitrate 1 - 5%, 4(5)-methyl-benzotriazole (sodium salt) 1 - 3%, Sodium molybdate <= 1%, sodium-benzothiazol-2-yl-sulphide 0.1 - 0.5%,

SIGNAL WORD DANGER

EXP LIMIT Sodium molybdate 5mg/m³ 8hTWA
10mg/m³ 15mSTEL WEL

HEALTH HAZARDS

Causes serious eye damage
Harmful if swallowed
Causes skin irritation
Harmful to aquatic life with long lasting effects
May cause allergic reaction in susceptible individuals



CONSIDERATIONS



METHOD Filling AREA Outside EXPOSURE TIME Up to 1/2 hour per shift

LOW RISK - FULL EXPOSURE

CONTROL MEASURES



KEEP SKIN COVERED



NITRILE

BS EN166
GRADE 3

WASH AFTER EXPOSURE



IF SOILED

SPILLAGE

Ventilate area
Wear nitrile gloves

Suitable eye protection must be worn

Wear respiratory protection for large spills in poorly ventilated areas

Wear protective overalls & chemical proof footwear

Absorb in sand or inert absorbent material

Small spills - wipe up with cloth

Collect into a container, close lid

Dispose or recycle of spillages in a controlled manner

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

Ingestion - give plenty of water in sips

Ingestion - get immediate medical attention

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 fog - carbon dioxide - powder - foam

Do not use water jet

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

Wear self-contained breathing apparatus and protective clothing



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ACTIVITY COMMENTS

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Printed 21/03/2017



ROGER BULLIVANT

FACILITY HEALTH MAIN GROUND IMPROVEMENT SUB



GEARTRAN SAE 80W/90

MEDIUM HAZARD

LIQUID

SUPPLIER GLOBAL LUBRICANTS LTD
KEYWORD Lubricant

CONTENTS

Classification based upon information supplied below: May contain mineral oil

SIGNAL WORD NONE
EXP LIMIT

HEALTH HAZARDS

Mechanically degraded mineral oil may cause skin cancer
May cause ill health if ingested in quantity
May cause eye irritation

CONSIDERATIONS



METHOD Pouring AREA Outside EXPOSURE TIME Up to 1/2 hour per shift

LOW RISK - FULL EXPOSURE

CONTROL MEASURES



KEEP SKIN COVERED



NITRILE



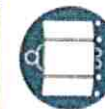
IF CONTACT LIKELY



LOW RISK - INDIVIDUAL ACTIVITY



WASH AFTER EXPOSURE



IF HEAVILY SOILED

SPILLAGE

Ventilate area

Wear nitrile gloves

Wear eye protection if contact likely

Wear respiratory protection for large spills in poorly ventilated areas

Wear protective overalls and footwear for large spillages

Absorb in sand or inert absorbent material

Small spills - wipe up with cloth

Collect into a container, close lid

Dispose or recycle of spillages in a controlled manner

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

Skin - wash with soap/cleanser and rinse with water

If irritation persists then consult a doctor

FIRE

Isolated small scale fire:

Powder - foam - carbon dioxide (CO2)

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

Wear self-contained breathing apparatus and protective clothing

Toxic fumes are produced when material is involved in a fire

ACTIVITY COMMENTS



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ROGER BULLIVANT

Printed 28/04/2017

FACILITY HEALTH MAIN GROUND IMPROVEMENT SUB

MATERIAL/PROCESS

GENERIC - DIESEL EXHAUST FUMES

HIGH HAZARD

FUME

SUPPLIER NOT APPLICABLE
KEYWORD Specialist

CONTENTS

Classification based upon information supplied below.: Diesel Exhaust fumes containing carbon particulates, carbon and nitrogen oxides including carbon monoxide. Small amounts of nitrogen and sulphur oxides may also be present. Unburnt residues may contain trace amounts of Alcohols, Aldehydes,

SIGNAL WORD DANGER

EXP LIMIT Carbon monoxide 30ppm 8hr 200ppm STEL,
Nitrogen dioxide:0.5ppm 8hr1ppm

HEALTH HAZARDS

May cause cancer by inhalation
Danger of serious damage to health by prolonged exposure by inhalation
May cause eye irritation
Skin - Irritation and dermatitis may result from prolonged contact
Toxicological properties of material not fully investigated
Avoid inhalation of fumes
When using do not eat, drink or smoke

CONSIDERATIONS

EXPOSURE TIME 1/2 to 2 hours per shift

SPILLAGE

Not applicable
Avoid excessive exposure to hands/skin - use suitable gloves if necessary

HIGH CHRONIC RISK - FULL EXPOSURE

CONTROL MEASURES

MEDIUM ACUTE RISK - FULL EXPOSURE

MEDIUM ACUTE RISK - INDIVIDUAL ACTIVITY

HIGH CHRONIC RISK - INDIVIDUAL ACTIVITY



CARBON MONOXIDE

KEEP SKIN COVERED

IF OVEREXPOSURE LIKELY

IF CONTACT LIKELY

AND



LEV OR

FILTER TYPE ABEK2P3

IF CONTACT HAS OCCURRED

IF HEAVILY SOILED

FIRE

Not applicable

FIRST AID

Inhalation - remove to fresh air and rest
After a significant exposure or if feeling unwell call for medical assistance immediately
If feeling unwell consult your doctor immediately
Eye - irrigate with water for at least 15 minutes
Skin - wash with soap/cleanser and rinse with water
If irritation persists then consult a doctor



ACTIVITY COMMENTS

Exposure to operatives within the local vicinity, minimal contact envisaged.

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ROGER BULLIVANT

Printed 20/12/2018

SUB

GROUND IMPROVEMENT

MAIN

FACILITY HEALTH

56113

MATERIAL/PROCESS

GENERIC - DIESEL EXHAUST FUMES

HIGH HAZARD

FUME

SUPPLIER NOT APPLICABLE

KEYWORD Specialist

CONTENTS

Classification based upon information supplied below: Diesel Exhaust fumes containing carbon particulates, carbon and nitrogen oxides including carbon monoxide. Small amounts of nitrogen and sulphur oxides may also be present. Unburnt residues may contain trace amounts of Alcohols, Aldehydes,

SIGNAL WORD DANGER

EXP LIMIT

Carbon monoxide 30ppm 8hr 200ppm STEL,
Nitrogen dioxide:0.5ppm 8hr1ppm

HEALTH HAZARDS

May cause cancer by inhalation
Danger of serious damage to health by prolonged exposure by inhalation
May cause eye irritation
Skin - Irritation and dermatitis may result from prolonged contact
Toxicological properties of material not fully investigated
Avoid inhalation of fumes
When using do not eat, drink or smoke

CONSIDERATIONS

METHOD Indirect Exposure

AREA Outside

EXPOSURE TIME 4 to 8 hours per shift

SPILLAGE

Not applicable

Avoid excessive exposure to hands/skin - use suitable gloves if necessary

MEDIUM ACUTE RISK - FULL EXPOSURE

HIGH CHRONIC RISK - FULL EXPOSURE

CONTROL MEASURES

MEDIUM ACUTE RISK - INDIVIDUAL ACTIVITY

HIGH CHRONIC RISK - INDIVIDUAL ACTIVITY



CARBON MONOXIDE



KEEP SKIN COVERED



IF OVEREXPOSURE LIKELY



IF CONTACT LIKELY



AND



PORTABLE OR

FILTER TYPE ABEK2P3

IF CONTACT HAS OCCURRED

AT END OF SHIFT

FIRST AID

Inhalation - remove to fresh air and rest
After a significant exposure or if feeling unwell call for medical assistance immediately
If feeling unwell consult your doctor immediately
Eye - Irrigate with water for at least 15 minutes
Skin - wash with soap/cleanser and rinse with water
If irritation persists then consult a doctor

FIRE

Not applicable



ACTIVITY COMMENTS

Exposure to operatives within the local vicinity, minimal contact envisaged.

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Printed 20/12/2018



ROGER BULLIVANT

FACILITY HEALTH MAIN TRANSPORT SUB

MATERIAL/PROCESS

GENERIC - DIESEL.

MEDIUM HAZARD

LIQUID

SUPPLIER NOT APPLICABLE

KEYWORD Diesel

CONTENTS

Fuels, diesel,

SIGNAL WORD DANGER

EXP LIMIT Fuels, diesel 500mg/m³ 8hTWA OEL

HEALTH HAZARDS

Flammable liquid and vapour
May be fatal if swallowed and enters airways
Harmful if inhaled
Causes skin irritation
Suspected of causing cancer
May cause damage to organs through prolonged or repeated exposure
Toxic to aquatic life with long lasting effects

CONSIDERATIONS



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

LOW RISK - FULL EXPOSURE

Mark the area and warn all personnel
Ventilate area and exclude all sources of ignition
Wear polythene or nitrile gloves
Wear eye protection if contact likely
Suitable respiratory protection must be worn
Wear protective overalls & chemical proof footwear
Absorb in sand or inert absorbent material
Small spills - wipe up with cloth
Collect into a container, close lid
Dispose or recycle of spillages in a controlled manner

CONTROL MEASURES



KEEP SKIN COVERED



POLYTHENE OR NITRILE



IF CONTACT LIKELY



AND



LEV OR



FILTER TYPE A2

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
Ingestion - give plenty of water in sips
Ingestion - get immediate medical attention
Eye - irrigate with water until irritation subsides
Skin - wash with soap/cleanser and rinse with water
If irritation persists then consult a doctor

WASH AFTER EXPOSURE



IF SOILED



CLOSE ALL CONTAINERS



FLAMMABLE / ACUTE

FIRE

Isolated small scale fire:
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



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ACTIVITY COMMENTS

Minimal exposure anticipated. Ensure nozzle is fully inserted into fuel inlet

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Printed 20/02/2017



ROGER BULLIVANT

FACILITY HEALTH MAIN TRANSPORT SUB

MATERIAL/PROCESS

GENERIC - ENGINE OIL

MEDIUM HAZARD

LIQUID

SUPPLIER VARIOUS

KEYWORD Oil (Engine)

CONTENTS

Highly refined mineral oil (IP 346 DMSO extract < 3 percent),

SIGNAL WORD NONE

EXP LIMIT

Highly refined mineral oil (IP 346 DMSO
extract < 3 percent) 5mg/m³ 8hTWA

HEALTH HAZARDS

Mechanically degraded mineral oil may cause skin cancer
May cause ill health if ingested in quantity
May cause eye irritation

CONSIDERATIONS



METHOD Pouring EXPOSURE TIME Up to 1/2 hour per shift

SPILLAGE

Ventilate area

Wear polythene or nitrile gloves

Wear eye protection if contact likely

Wear respiratory protection for large spills in poorly ventilated areas

Wear protective overalls and footwear for large spillages

Absorb in sand or inert absorbent material

Small spills - wipe up with cloth

Collect into a container, close lid

Dispose or recycle of spillages in a controlled manner

LOW RISK - FULL EXPOSURE

LOW RISK - INDIVIDUAL ACTIVITY

CONTROL MEASURES

KEEP SKIN
COVEREDPOLYTHENE OR
NITRILEIF CONTACT
LIKELYWASH AFTER
EXPOSURE

IF SOILED



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

Skin - wash with soap/cleanser and rinse with water

If irritation persists then consult a doctor

CLOSE ALL
CONTAINERSCONTROLLED
STORE /WASTE

FIRE

Isolated small scale fire:

Water fog - carbon dioxide - powder - 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

Toxic fumes are produced when material is involved in a fire



ACTIVITY COMMENTS

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ROGER BULLIVANT

Printed 17/10/2016

DATE ASSESSMENT REVIEWED 10/03/2016

LATEST SAFETY DATA SHEET REFERENCE

Derived

CONSIDERATIONS



SIGNAL WORD WARNING

EXP LIMIT

isolated small scale fire:
Water fog - carbon dioxide - powder - foam
Do not use water jet

ACTIVITY COMMENTS
Used oil may contain carcinogenic material

This assessment was compiled by Alcumus Sytop 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 15/11/2016

DATE ASSESSMENT REVIEWED 10/03/2016

LATEST SAFETY DATA SHEET REFERENCE

Derived

FACILITY HEALTH

MAIN

GROUND IMPROVEMENT

SUB

MATERIAL/PROCESS

GENERIC - UNLEADED PETROL

HIGH HAZARD

LIQUID

SUPPLIER VARIOUS

KEYWORD Petrol

CONTENTS

Gasoline-, Benzene < 5%, Contains proprietary anti-knocking agents and octane boosters.

SIGNAL WORD DANGER

EXP LIMIT

Gasoline- 1mg/m³ 8hTWA WEL, Benzene
3.25mg/m³ 8hTWA 1ppm 8hTWA WEL

HEALTH HAZARDS

Highly flammable liquid and vapour
May be fatal if swallowed and enters airways
May cause cancer
May cause genetic defects
Causes skin irritation
Suspected of damaging fertility or the unborn child
May cause damage to organs through prolonged or repeated exposure
May cause drowsiness or dizziness
May cause eye irritation
Toxic to aquatic life with long lasting effects

CONSIDERATIONS



EXPOSURE TIME Up to 1/2 hour per shift

SPILLAGE

Large spillage-evacuate area & refer to emergency spillage procedure
Ventilate area and exclude all sources of ignition
Wear polythene or viton gloves
Wear eye protection if contact likely

MEDIUM CHRONIC RISK - FULL EXPOSURE

MEDIUM CHRONIC RISK - INDIVIDUAL ACTIVITY

LOW ACUTE RISK - INDIVIDUAL ACTIVITY

LOW ACUTE RISK - FULL EXPOSURE

METHOD Filling

AREA Outside

CONTROL MEASURES



KEEP SKIN COVERED

POLYTHENE OR VITON

IF CONTACT LIKELY

WASH AFTER USE



IF SOILED

CLOSE ALL CONTAINERS

HIGHLY FLAMM /ACUTE HAZ

FIRE

Isolated small scale fire:
Vapour may spread - distant ignition is possible
Carbon dioxide - powder - foam - inert material
Do not use water
Large fire: evacuate area, call fire brigade or follow site procedure
Wear self-contained breathing apparatus and protective clothing



ACTIVITY COMMENTS

Controlled use of product; minimal contact envisaged.

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ROGER BULLIVANT

Printed 24/07/2018

DATE ASSESSMENT REVIEWED 25/02/2016

LATEST SAFETY DATA SHEET REFERENCE

Derived

MAIN GROUND IMPROVEMENT SUB

MATERIAL/PROCESS

EP MULTI PURPOSE GREASE NLGI 2

MEDIUM HAZARD

SEMI-SOLID

SUPPLIER DELTA OIL EUROPE LTD

KEYWORD Grease

CONTENTS

Highly refined mineral oil (IP 346 DMSO extract < 3 percent),
Benzenamine, N-phenyl, reaction products with 2,4,4-trimethylpentene 0.1 - 0.5%, Olefin Sulfide : 1-2%

SIGNAL WORD NONE

EXP LIMIT

Oil mist(min*) 5mg/m3TWA 10mg/m3STEL
OEL, Highly refined mineral oil (IP 346 DMSO

HEALTH HAZARDS

Mechanically degraded mineral oil may cause skin cancer
May cause ill health if ingested in quantity
May cause eye irritation

CONSIDERATIONS



METHOD Gun applying AREA Outside EXPOSURE TIME Up to 1/2 hour per shift

SPILLAGE

Ventilate area

Wear polythene or nitrile gloves

Wear eye protection if contact likely

Wear respiratory protection for large spills in poorly ventilated areas

Wear protective overalls and footwear for large spillages

Absorb in sand or inert absorbent material

Small spills - wipe up with cloth

Collect into a container, close lid

Dispose or recycle of spillages in a controlled manner

LOW RISK - FULL EXPOSURE

LOW RISK - INDIVIDUAL ACTIVITY

CONTROL MEASURES



KEEP SKIN COVERED



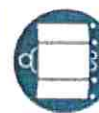
POLYTHENE OR NITRILE



IF CONTACT LIKELY



WASH AFTER EXPOSURE



IF HEAVILY SOILED

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

Skin - wash with soap/cleanser and rinse with water

If irritation persists then consult a doctor

High pressure injection of material into skin - get immediate medical attention

CLOSE ALL CONTAINERS

CONTROLLED STORE /WASTE

FIRE

Isolated small scale fire:

Water fog - carbon dioxide - powder - 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

Toxic fumes are produced when material is involved in a fire

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ACTIVITY COMMENTS

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ROGER BULLIVANT

Printed 28/04/2017

DATE ASSESSMENT REVIEWED 15/02/2016

LATEST SAFETY DATA SHEET REFERENCE

27/04/2009

FACILITY HEALTH MAIN GROUND IMPROVEMENT SUB

MATERIAL/PROCESS

NATURAL AGGREGATES

MEDIUM HAZARD

SOLID

SUPPLIER AGGREGATE INDUSTRIES

KEYWORD Natural Aggregates

CONTENTS

Aggregate (may contain low levels of respirable silica), Quartz (SiO₂) (non respirable fraction), Respirable silica < 10%,

SIGNAL WORD NONE

EXP LIMIT Aggregate (may contain low levels of respirable silica) 0.1mg/m³ 8hTWA WEL

HEALTH HAZARDS

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



METHOD Mixing AREA Outside EXPOSURE TIME Over 8 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



IF CONTACT LIKELY



AND



LEV OR



FILTER TYPE P3



WASH AFTER EXPOSURE

SPILLAGE

Ventilate area
 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

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:
 Use extinguishers suitable for other materials involved in fire
 Large fire: evacuate area, call fire brigade or follow site procedure
 Wear self-contained breathing apparatus and protective clothing



ACTIVITY COMMENTS

Refer to assessment for material to be mixed for any further precautions

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ROGER BULLIVANT

Printed 25/07/2018

SUB

GROUND IMPROVEMENT

MAIN

FACILITY HEALTH

MATERIAL/PROCESS

PETROL EXHAUST FUMES (UNLEADED)

LOW HAZARD

FUME

SUPPLIER NOT APPLICABLE

KEYWORD Specialist

CONTENTS

Classification based upon information supplied below: This assessment covers exposure to exhaust fumes and vapours from internal combustion petrol engines. The largest component of the exhaust is nitrogen, water vapour, and carbon dioxide (CO₂). A relatively small part of combustion

SIGNAL WORD WARNING

EXP LIMIT Carbon monoxide 30ppm 8hr 200ppm STEL,
Carbon di*9150mg/m³TWA

METHOD Direct Exposure

AREA Outside

EXPOSURE TIME 2 to 4 hours per shift

SPILLAGE

Not applicable

LOW RISK - FULL EXPOSURE

CONTROL MEASURES

LOW RISK - INDIVIDUAL ACTIVITY



CARBON MONOXIDE

KEEP SKIN COVERED

IF OVEREXPOSURE LIKELY

IF CONTACT LIKELY

AND

FIRST AID
Inhalation - remove to fresh air and rest
After a significant exposure or if feeling unwell call for medical assistance immediately
If feeling unwell consult your doctor immediately
Eye - irrigate with water for at least 15 minutes
Skin - wash with soap/cleanser and rinse with water
If irritation persists then consult a doctor

LEV OR

FILTER TYPE ABEK2P3

WASH AFTER EXPOSURE

IF HEAVILY SOILED

FIRE

Not applicable



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ACTIVITY COMMENTS
Exposure to exhaust fumes.



ROGER BULLIVANT

This assessment was compiled by Alcumus Sygol 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 28/04/2017

DATE ASSESSMENT REVIEWED 25/02/2016

LATEST SAFETY DATA SHEET REFERENCE

Derived

FACILITY HEALTH

MAIN

GROUND IMPROVEMENT

SUB

MATERIAL/PROCESS

PETROL EXHAUST FUMES (UNLEADED)

LOW HAZARD

FUME

SUPPLIER NOT APPLICABLE

KEYWORD Specialist

CONTENTS

Classification based upon information supplied below: This assessment covers exposure to exhaust fumes and vapours from internal combustion petrol engines. The largest component of the exhaust is nitrogen, water vapour, and carbon dioxide (CO₂). A relatively small part of combustion

SIGNAL WORD WARNING

EXP LIMIT

Carbon monoxide 30ppm 8hr 200ppm STEL,
Carbon dl*9150mg/m³TWA

METHOD Direct Exposure

AREA Outside

EXPOSURE TIME Over 8 hours per shift

SPILLAGE

Not applicable

CONTROL MEASURES

LOW RISK - FULL EXPOSURE

LOW RISK - INDIVIDUAL ACTIVITY



CARBON MONOXIDE



KEEP SKIN COVERED



IF OVEREXPOSURE LIKELY



IF CONTACT LIKELY



AND



LEV OR

FILTER TYPE
ABEK2P3

WASH AFTER EXPOSURE



IF HEAVILY SOILED



ACTIVITY COMMENTS
Exposure to exhaust fumes.

This assessment was compiled by Alcumus Sygol 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 28/04/2017



ROGER BULLIVANT

DATE ASSESSMENT REVIEWED 25/02/2016

LATEST SAFETY DATA SHEET REFERENCE

Derived

CONSIDERATIONS



Asphyxiant properties
Danger of serious damage to health by prolonged exposure by Inhalation
May cause irritation to the respiratory system
May cause eye irritation
Skin - Irritation and dermatitis may result from prolonged contact
Toxicological properties of material not fully investigated
Avoid inhalation of fumes



FIRST AID

Inhalation - remove to fresh air and rest
After a significant exposure or if feeling unwell call for medical assistance immediately
If feeling unwell consult your doctor immediately
Eye - Irrigate with water for at least 15 minutes
Skin - wash with soap/cleanser and rinse with water
If irritation persists then consult a doctor

FIRE

Not applicable

MATERIAL/PROCESS

POLYGUARD UNIVERSAL ANTIFREEZE (BS6580)

MEDIUM HAZARD

LIQUID

SUPPLIER MISWA CHEMICALS LTD

KEYWORD Anti-freeze

CONTENTS

Boric acid, disodium salt, pentahydrate 1 - 5%, ethane-1,2-diol 60 - 100%,

SIGNAL WORD WARNING

EXP LIMIT Boric acid, disodium salt, pentahydrate
1mg/m³ 8hTWA WEL, ethane-1,2-diol

HEALTH HAZARDS

Harmful if swallowed
May cause damage to organs through prolonged or repeated exposure if swallowed
Skin - Irritation and dermatitis may result from prolonged contact
Excessive inhalation may cause ill health
May cause eye irritation



CONSIDERATIONS



EXPOSURE TIME 2 to 4 hours per shift

SPILLAGE

Ventilate area

Wear polythene or nitrile gloves

Wear eye protection if contact likely

Wear respiratory protection if spill is in a poorly ventilated space

Wear respiratory protection if whole container is split

Wear protective overalls and footwear for large spillages

Absorb in sand or inert absorbent material

Small spills - wipe up with cloth

Collect into a container, close lid

Dispose or recycle of spillages in a controlled manner

AREA Outside

MEDIUM RISK - FULL EXPOSURE

CONTROL MEASURES

MEDIUM RISK - INDIVIDUAL ACTIVITY



KEEP SKIN COVERED



POLYTHENE OR NITRILE



IF CONTACT LIKELY



AND



LEV OR



FILTER TYPE A2

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

Ingestion - give plenty of water in sips

Ingestion - get immediate medical attention

Eye - irrigate with water until irritation subsides

Skin - wash with soap/cleanser and rinse with water

If irritation persists then consult a doctor

WASH AFTER EXPOSURE



IF HEAVILY SOILED



CLOSE ALL CONTAINERS



ACUTE HAZARD

FIRE

Isolated small scale fire:

Water fog - 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

ACTIVITY COMMENTS

This assessment was compiled by Alcumus Sygol 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



ROGER BULLIVANT

Printed 28/04/2017

FACILITY HEALTH

MAIN

GROUND IMPROVEMENT

SUB

MATERIAL/PROCESS

POWERDRAULIC

MEDIUM HAZARD

LIQUID

SUPPLIER FUCHS LUBRICANTS (UK) PLC
KEYWORD Lubricant (Min. Oil)

CONTENTS

Distillates (petroleum) 10 - 25%, Solvent dewaxed paraffinic distillates 10 - 25%, Highly refined mineral oil (IP 346 DMSO extract < 3 percent), Long chain alkylamine: <0.25%
A blend of highly refined mineral oils with multifunctional additives

SIGNAL WORD NONE

EXP LIMIT

Distillates (petroleum) 5mg/m³ 8hTWA
10mg/m³ 15mSTEL OEL, Solvent dewaxed

METHOD Pouring

AREA Outside

EXPOSURE TIME Up to 1/2 hour per shift

SPILLAGE

LOW RISK - FULL EXPOSURE

Ventilate area

Wear polythene or nitrile gloves

Wear eye protection if contact likely

Wear respiratory protection if spill is in a poorly ventilated space

Wear protective overalls and footwear for large spillages

Absorb in sand or inert absorbent material

Small spills - wipe up with cloth

Collect into a container, close lid

Dispose or recycle of spillages in a controlled manner

LOW RISK - INDIVIDUAL ACTIVITY

CONTROL MEASURES



KEEP SKIN COVERED



POLYTHENE OR NITRILE



IF CONTACT LIKELY



WASH AFTER USE



IF SOILED

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

Skin - wash with soap/cleanser and rinse with water

If irritation persists then consult a doctor



CLOSE ALL CONTAINERS



CHRONIC HAZARD



ACTIVITY COMMENTS

Used oil may contain carcinogenic material

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ROGER BULLIVANT

Printed 28/04/2017

DATE ASSESSMENT REVIEWED 25/02/2016

LATEST SAFETY DATA SHEET REFERENCE

24/06/2013



HEALTH HAZARDS

Mechanically degraded mineral oil may cause skin cancer

Excessive inhalation may cause ill health

May cause ill health if ingested in quantity

May cause eye irritation

CONSIDERATIONS



SUB

GROUND IMPROVEMENT

MAIN

FACILITY HEALTH

96498

MATERIAL/PROCESS

RENOCLEAN ABSORBENT GRANULES

LOW HAZARD

SOLID

SUPPLIER FUCHS LUBRICANTS

KEYWORD Absorbent Material

CONTENTS

Silica-amorphous---diatomaceous-earth- 100%, Granular inorganic absorbents made from naturally occurring diatomaceous earth.

SIGNAL WORD WARNING

EXP LIMIT

Silica,-amorphous---diatomaceous-earth-
1.2mg/m3 Inhal8hTWA WEL

HEALTH HAZARDS

Not classified as hazardous under the CLP regulations (EC/1272/2008)
May cause ill health if ingested in quantity
May cause eye irritation
Skin - irritation and dermatitis may result from prolonged contact

CONSIDERATIONS

METHOD Hand applying AREA Outside EXPOSURE TIME Up to 1/2 hour per shift

SPILLAGE

Ventilate area

Wear polythene or nitrile gloves

Wear eye protection if contact likely

Wear respiratory protection for large spills in poorly ventilated areas

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

LOW RISK - INDIVIDUAL ACTIVITY

LOW RISK - FULL EXPOSURE

CONTROL MEASURES



AVOID SKIN CONTACT

IF OVEREXPOSED
E LIKELYIF CONTACT
LIKELYWASH AFTER
EXPOSUREIF HEAVILY
SOILED

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

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



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ACTIVITY COMMENTS

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Printed 28/04/2017



ROGER BULLIVANT

FACILITY HEALTH MAIN GROUND IMPROVEMENT SUB

MATERIAL/PROCESS

WD-40 MULTI-USE PRODUCT [AEROSOL]

MEDIUM HAZARD

AEROSOL

SUPPLIER WD-40 COMPANY LIMITED
KEYWORD Lubricant (Aerosol)

CONTENTS

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2%
aromatics 60 - 80%, Carbon dioxide 1 - 5%,

SIGNAL WORD DANGER

EXP LIMIT 800mg/m³ 8hr TWA Hydrocarbon
recommended, Oil mist(min*) 5mg/m³TWA

HEALTH HAZARDS

Extremely flammable aerosol
Pressurised container: May burst if heated.
May cause drowsiness or dizziness
Repeated exposure may cause skin dryness or cracking
May cause ill health if ingested in quantity
May cause eye irritation

CONSIDERATIONS



METHOD Spraying (Aerosol)

EXPOSURE TIME Up to 1/2 hour per shift

SPILLAGE

LOW RISK - FULL EXPOSURE

Not applicable when intact
In case of leakage or loss of containment:
Ventilate area and exclude all sources of ignition
Wear protective clothing if whole container is split
Allow to dissipate

CONTROL MEASURES

LOW RISK - INDIVIDUAL ACTIVITY

KEEP SKIN
COVEREDPOLYTHENE OR
NITRILEIF CONTACT
LIKELYWASH AFTER
EXPOSUREIF HEAVILY
SOILED

PRESSURISED

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

Keep aerosol cans cool, do not burn for disposal
Isolated small scale fire:
Vapour may spread - distant ignition is possible
Water fog - carbon dioxide - powder - foam
Do not use water jet
Large fire: evacuate area, call fire brigade or follow site procedure
Wear self-contained breathing apparatus and protective clothing
Keep containers cool with water spray
Risk of explosion if involved in a fire

ACTIVITY COMMENTS

Intermittent use of aerosol spray.

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ROGER BULLIVANT

Printed 14/11/2017



Health, Safety and Welfare Policy Statement

Roger Bullivant recognise and accept the sound moral, legal and financial reasons for ensuring the health and safety of our employees, subcontractors and other persons who may be directly affected by our work activities.

The Company has an Integrated SHEQ Management System certified to BS OHSAS 18001:2007 (45001:2018) which is consistent with our Environmental and Quality policies.

We will fully discharge all our statutory obligations and strive to be the benchmark of health & safety good practice across all sectors in which the business operates and compliance with all legal & other requirements. This policy underpins our commitment to the prevention of injury and ill health and our continual improvement in health & safety performance and management, this is aligned with the Roger Bullivant safety behavioural programme.

To support this, we:

- Integrate health & safety management into the business decision making. Development and delivery of professional services, purchasing and supplier management processes;
- Engage with employees, subcontractors, suppliers and customers to understand both their requirements of us and vice versa, and comply with the professional audit requirements of our clients;
- Identify hazards, assess risks and allocate appropriate resources to implement effective control measures to eliminate and reduce any risk using hierarchical controls;
- Consult, communicate and participate of our health and safety policy with all employees and interested parties.
- Set, monitor, manage and communicate our Health & Safety performance against clear goals and objectives and comply with the requirements of our trade bodies FPS & ASUC;
- Implement other associated policies with respect to Health, Safety and Welfare for example Drugs & Alcohol and Safe Driving.

All employees are reminded of their duties under the Health and Safety at Work Act 1974 which is to:

- Ensure that all reasonable care is taken with regard to the health, safety and welfare of themselves and others;
- Make themselves aware of, and to co-operate in the implementation of our policy, processes, procedures, statutory documents and industry codes of practice and that refusal to work on the grounds of health and safety will not result in disciplinary action.

The provision of appropriate training and information supported by monitoring, reporting and identification of improvement actions, are the cornerstones of this Policy. This Policy is formulated from the Company Core Values and will be reviewed annually for continuing suitability.

Environmental and Sustainability Policy Statement

Roger Bullivant is committed to achieving and demonstrating sound environmental and sustainable performances through the identification and control of the impacts of our activities on the environment and to ensure our activities, services and products comply with all legal requirements, those of our customers and other regulatory bodies.

The Company has an Integrated SHEQ Management System certified to BS EN ISO 14001:2015 which is consistent with our Health, Safety and Quality policies.

Our operations will be conducted with due consideration being given to sustainability and the limited use of natural resources.

Top Management is therefore committed to:

- Set out a Company strategic plan, with top level leadership and communicate all significant environmental issues to the workforce;
- Identifying the significant environmental, product lifecycles, aspects and impacts from current and relevant past activities and services where we have a direct control or can be expected to have an influence
- Minimising and where reasonably practicable eliminate any adverse impact on the environment, including pollution prevention arising from the activities of our business;
- Minimising the use of energy, resources consumed and waste produced while undertaking our business activities in a safe and professional manner; Comply with all applicable legal and implement best practice;
- Encompassing sustainable development, with a commitment to waste minimisation, reuse, recycling, and best practical environmental options to prevent pollution of the environment;
- Informing and training our staff in understanding and fulfilling their environmental and sustainability responsibilities and those of the Company;
- Establishing and measuring environmental performance against objectives and/or targets to ensure continual improvement;
- Encourage proactive initiatives that protect the environment from harm and degradation, such as sustainable resource use and climate change performance.
- Minimise greenhouse gas emissions from all RB operations and processes.
- Work with our supply chain to encourage and implement responsible procurement from sustainable sources.

Our commitment extends to all our activities, which have the potential to adversely affect the environment.

This Policy is regularly reviewed in order to ensure continuing suitability and subject to a formal review annually.

Quality Policy Statement

Roger Bullivant is committed to providing its customers with quality products and services which meet the requirements of the customer, statutory and regulatory bodies.

The Company has an Integrated SHEQ Management System certified to BS EN ISO 9001:2015 which is consistent with our Health, Safety and Environmental policies.

In addition, we are firmly committed to the continual improvement of our management systems and products and services to benefit all involved.

Top Management is therefore committed to:

- Establishing and reviewing quality objectives at appropriate levels and measure quality performance against the set objectives and/or targets to ensure continual improvement;
- Ensuring that all employees possess appropriate skills and competencies in order to fully meet these objectives;
- Communicate the policy to those working for and on behalf of the Company;
- Providing all necessary resources to both maintain the SHEQ Management System and to continually improve its effectiveness throughout the organisation;
- Maximising returns to the Company by eliminating avoidable losses and reworks;

This Policy is regularly reviewed in order to ensure continuing suitability and subject to a formal review annually.

Signed:

C Wren, Managing Director

Date: 03.01.2019