

COSHH Activity Assessment Report



Substance					
Product Name	Low/Ultra Low Sulphur Diesel		CAS Number(s)	Complex mixture of hydrocarbons consisting of paraffins, cycloparaffins, aromatic and olefinic hydrocarbons, predominantly in the C9 to C25 range. 68334-30-5	
Trade Name / Synonym(s)	Diesel (ULSD/Gasoil/GO)		COSHH INDEX Ref No.	089	
WEL	Fuels, diesel LTEL 100mg/m3 Kerosine (petroleum), hydrodesulphurised LTEL 200mg/m3 Cumene LTEL 25ppm 125mg/m3 STEL 50ppm 250mg/m3		Chemical Identity	Fuels, diesel Kerosine (petroleum), hydrodesulphurised	
Recommended Use And Restrictions On Use	Fuel for diesel engines				
Record Details					
Reference	089 Afan AAD		Assessor Name	Faye Ward	
Org Unit	DC -> 1. COSHH Generic RA -> DCWW -> Operations -> Waste Water Services -> Bio-Resources -> AAD Facilities -> Afan AAD		Job Title	COSHH Assessor	
Location	Afan AAD		Assessment Date	15/01/2021	
Authorised By	Trystan Lewis-Williams		Date Authorised	23/05/2018	
Description	Low/Ultra Low Sulphur Diesel				
Hazards					
Classification Type	Classification	Category	Hazard Label	Signal Word	Hazard Statement
Physical	Flammable Liquids	Category 3		Warning	H226: Flammable liquid and vapour
Health	Skin Corrosion/Irritation	Category 2		Warning	H315: Causes skin irritation

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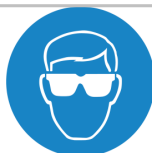



Health	Acute Toxicity: Inhalation	Category 4		Warning	H332: Harmful if inhaled
Health	Carcinogenicity	Category 2		Warning	H351: Suspected of causing cancer
Health	Specific Target Organ Toxicity (Repeated Exposure)	Category 2		Warning	H373: May cause damage to organs through prolonged or repeated exposure
Environmental	Aquatic Toxicity (Chronic)	Category 2			H411: Toxic to aquatic life with long lasting effects

Tasks

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Activity Type & Activity Description	Persons At Risk & How Is Person At Risk	Control Measures	Potential Risk Factor	Additional Control Measures	Residual Risk Factor
Use Fuelling vehicles	Colleagues Contact, inhalation	PPE as below NB safety glasses will be used when there is a potential for splashes Ensure good ventilation. Keep away from sources of ignition. Earth bond when transferring from one container to another.	12 - High Risk	Secured in its own bunded area	2 - Low Risk
Quantity	10,000 gallons	<div> Eye protection must be worn Safety glasses</div> <div> Hand protection must be worn Disposable nitrile gloves</div>			
Frequency Of Use	As and when required				
Duration Of Use	minimal time to refuel as and when required				
Environment	Enclosed Space				
Route Of Entry	Contact				
State	Liquid				
Approved For Use Within Area?	Yes				
First Aid				Seek Immediate Attention	
Inhalation	Remove to fresh air. If rapid recovery does not occur, take patient to nearest medical facility for additional treatment.			No	
Skin Contact	Remove contaminated clothing. Immediately flush skin with large amounts of water for at least 15 minutes, and follow by washing with soap and water if available. If redness, swelling, pain and/or blisters occur, transport to the nearest medical facility for additional treatment.			No	
Eye Contact	Remove contact lenses. Wash with copious amounts of water for several minutes. If irritation persists, seek medical assistance.			No	
Ingestion	If swallowed, do not induce vomiting: transport to nearest medical facility for additional treatment. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. If any of the following delayed signs and symptoms appear within the next 6 hours, transport to the nearest medical facility: fever greater than 101° F (38.3°C), shortness of breath, chest congestion or continued coughing or wheezing. Give nothing by mouth			Yes	
Injection				No	
Storage					
Storage Measures	Store in a cool, dry and well-ventilated place. Keep protected from direct sunlight and temperatures over 50oC. Maximum size of plastic can is 5 litres.				

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Emergency Measures			
Loss of containment measures	Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal. Do not flush away traces using water, use detergent to complete cleaning.		
Fire Fighting			
Fire Fighting Measures	Foam, water spray or fog. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.		
Unsuitable Fire Fighting Measures	Do not use direct water jets on the burning product as they could cause a steam explosion and spread of the fire. Simultaneous use of foam and water on the same surface is to be avoided as water destroys the foam.		
Transport			
	Transport Hazard Class(es)		Transport Special Precautions
	Class No 3 UN No 1202		If volume transported 1000 litres or less - Limited Scope, if above Full Scope. Please refer to HSP701 Carriage of Dangerous Goods Procedure for further information.
Conclusion			
Conclusion	Residual risk level Low		
Have you considered using an alternative substance?	Yes		
Reasoning			
Overall Potential Risk Level	12	Overall Residual Risk Level	2



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Substance					
Product Name	Flopam FO 4440		CAS Number(s)	Mixture - see SDS	
Trade Name / Synonym(s)	Flopam FO 4440		COSHH INDEX Ref No.	1571	
WEL	N/A		Chemical Identity	N/A	
Recommended Use And Restrictions On Use	Coagulation of digested sludge				
Record Details					
Reference	1571 Afan AAD		Assessor Name	Jessica Deane	
Org Unit	DC -> 1. COSHH Generic RA -> DCWW -> Operations -> Waste Water Services -> Bio-Resources -> AAD Facilities -> Afan AAD		Job Title	Lead COSHH Assessor	
Location	Afan AAD		Assessment Date	15/06/2022	
Authorised By			Date Authorised		
Description	Flopam FO 4440				
Hazards					
Classification Type	Classification	Category	Hazard Label	Signal Word	Hazard Statement
Not Classified	Not Classified	Not Classified			
Tasks					

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Activity Type & Activity Description	Persons At Risk & How Is Person At Risk	Control Measures	Potential Risk Factor	Additional Control Measures	Residual Risk Factor
Use Coagulation of digested sludge	Site colleagues Contact	PPE as below. Avoid contact with skin and eyes. Avoid dust formation. Can render wet surfaces extremely slippery. Ensure adequate ventilation.	4 - Low Risk	Ensure dehumidifier is operational to prevent clumping of product	2 - Low Risk
Quantity	As required	<div> Eye protection must be worn Safety glasses</div> <div> Hand protection must be worn Disposable nitrile gloves</div>			
Frequency Of Use	As required				
Duration Of Use	As required				
Environment	Enclosed Space				
Route Of Entry	Contact				
State	Dust				
Approved For Use Within Area?	Yes				
First Aid				Seek Immediate Attention	
Inhalation	Move to fresh air. Get medical attention if symptoms occur.			No	
Skin Contact	Wash off with soap and plenty of water. Get medical attention if irritation develops and persists.			No	
Eye Contact	Rinse immediately with plenty of water, also under eyelids. Get medical attention.			Yes	
Ingestion	Rinse mouth,. If conscious give the victim plenty of water to drink. Induce vomiting but only if victim is fully conscious.			No	
Injection				No	
Storage					
Storage Measures	Keep in a dry place away from oxidising substances.				
Emergency Measures					
Loss of containment measures	Do not flush with water. Clean up promptly by sweeping or vacuum.				
Fire Fighting					
Fire Fighting Measures	Water. Water spray. Foam. Carbon Dioxide. Dry powder.				
Unsuitable Fire Fighting Measures	N/A				

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Transport			
		Transport Hazard Class(es)	Transport Special Precautions
		N/A	N/A
Conclusion			
Conclusion	2		
Have you considered using an alternative substance?	Yes		
Reasoning			
Overall Potential Risk Level	4	Overall Residual Risk Level	2



COSHH Activity Assessment Report



Substance					
Product Name	Flopam FO 4240 SEP, FO 4650 SSH, FO 4650 VHM & FO 4490		CAS Number(s)	Sulphamidic acid 226-218-8	
Trade Name / Synonym(s)	Flopam FO 4240 SEP, FO 4650 SSH, FO 4650 VHM & FO 4490		COSHH INDEX Ref No.	424	
WEL	N/A		Chemical Identity	N/A	
Recommended Use And Restrictions On Use	Water treatment				
Record Details					
Reference	424 Afan		Assessor Name	Faye Ward	
Org Unit	DC -> 1. COSHH Generic RA -> DCWW -> Operations -> Waste Water Services -> Bio-Resources -> AAD Facilities -> Afan AAD		Job Title	Lead COSHH Assessor	
Location	Afan AAD		Assessment Date	25/02/2021	
Authorised By			Date Authorised		
Description	Flopam FO 4240 SEP, FO 4650 SSH, FO 4650 VHM & FO 4490				
Hazards					
Classification Type	Classification	Category	Hazard Label	Signal Word	Hazard Statement
Not Classified	Not Classified	Not Classified			Aqueous solutions or powders that become wet render surfaces extremely slippery
Tasks					

COSHH Activity Assessment Report



Activity Type & Activity Description	Persons At Risk & How Is Person At Risk	Control Measures	Potential Risk Factor	Additional Control Measures	Residual Risk Factor
Use Water treatment	Site colleagues Aqueous solutions or powders that become wet render surfaces extremely slippery	PPE as below. Avoid contact with skin and eyes. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation.	4 - Low Risk	Disposal by a registered waste carrier	1 - Low Risk
Quantity	IBC held for use	<div><p>Eye protection must be worn</p><p>Safety glasses</p></div> <div><p>Hand protection must be worn</p><p>Disposable nitrile gloves</p></div>			
Frequency Of Use	Automatic batch process				
Duration Of Use	As and when required				
Environment	Enclosed Space				
Route Of Entry	Contact				
State	Dust				
Approved For Use Within Area?	Yes				
First Aid				Seek Immediate Attention	
Inhalation	Move to fresh air. Get medical attention if symptoms occur.			No	
Skin Contact	Wash off with soap and plenty of water. Get medical attention if irritation develops and persists.			No	
Eye Contact	Rinse immediately with plenty of water. Get medical attention if irritation develops and persists.			No	
Ingestion	Rinse mouth. If conscious, give the victim plenty of water to drink. Induce vomiting, but only if victim if fully conscious.			No	
Injection				No	
Storage					
Storage Measures	Keep in a dry place. Incompatible with oxifizing agents.				
Emergency Measures					
Loss of containment measures	Small spills - do not flush with water. Clean up promptly by sweeping or vacuum.				
	Large spills - sweep up and shovel into suitable containers for disposal.				
Fire Fighting					

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Fire Fighting Measures	Ues media appropriate for the surrounding fire.		
Unsuitable Fire Fighting Measures			
Transport			
	Transport Hazard Class(es)	Transport Special Precautions	
Conclusion			
Conclusion	Residual risk level low		
Have you considered using an alternative substance?	Yes		
Reasoning			
Overall Potential Risk Level	4	Overall Residual Risk Level	1

COSHH Activity Assessment Report



Substance			
Product Name	Petronas Lubricating Oil	CAS Number(s)	112-90-3 (Z)-octadec-9-enylamine n-phenyl-1-naphtylamine CAS:90-30-2 CAS:68955-53-3 CAS:112-90-3 (Z)-N-methyl-N-(1-oxo-9-octadecenyl)glycine CAS:110-25-8
Trade Name / Synonym(s)	Petronas gear MEP 220 Petronas gear MEP320 Petronas gear NT 220 Petronas gear SYN PAG 220 Petronas gear SYN PAO 320 Petronas GEARSYNT 320 Petronas Hydraulic 100	COSHH INDEX Ref No.	1233
WEL	oil mists - TLV/TWA (8 h) : 5 mg/m3 - TLV/STEL: 10 mg/m3	Chemical Identity	PETRONAS oils
Recommended Use And Restrictions On Use	Lubricant oil		
Record Details			
Reference	1233 Afan AAD	Assessor Name	Faye Ward
Org Unit	DC -> 1. COSHH Generic RA -> DCWW -> Operations -> Waste Water Services -> Bio-Resources -> AAD Facilities -> Afan AAD	Job Title	Lead COSHH Assessor
Location	Afan AAD	Assessment Date	12/02/2021
Authorised By		Date Authorised	



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Description	PETRONAS LUBRICATING OIL				
	Petronas gear MEP 220				
	Petronas gear MEP320				
	Petronas gear NT 220				
	Petronas gear SYN PAG 220				
	Petronas gear SYN PAO 320				
	Petronas GEARSYNT 320				
	Petronas Hydraulic 100				
Hazards					
Classification Type	Classification	Category	Hazard Label	Signal Word	Hazard Statement
Health	Serious Eye Damage/Eye Irritation	Category 2B		Warning	H320: Causes eye irritation
Environmental	Aquatic Toxicity (Chronic)	Category 3			H412: Harmful to aquatic life with long lasting effects
Tasks					

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Activity Type & Activity Description	Persons At Risk & How Is Person At Risk	Control Measures	Potential Risk Factor	Additional Control Measures	Residual Risk Factor
Use Lubricant oil is used as part of ongoing PPM	site colleagues Contact with eyes and skin	PPE as below	6 - Medium Risk	Stored in a separate location - fully bunded area. Disposal is by a certified waste disposal compay	1 - Low Risk
Quantity	Stock supply of each type	<div> Eye protection must be worn Safety goggles</div> <div> Hand protection must be worn Disposable nitrile gloves</div>			
Frequency Of Use	As part of PPM				
Duration Of Use	As part of PPM				
Environment	Workshop				
Route Of Entry	Contact				
State	Liquid				
Approved For Use Within Area?	Yes				
First Aid				Seek Immediate Attention	
Inhalation	Expose affected person to fresh air and obtain medical attention if necessary.			No	
Skin Contact	Remove contaminated clothes and shoes and rinse thoroughly with plenty of water and soap.			No	
Eye Contact	Rinse thoroughly with plenty of water for at least 10 minutes keeping eyelids open. Remove contact lenses if this can be done easily. Obtain medical attention in case of development and persistence of pain and redness. In case of contact with hot product, rinse thoroughly with plenty of water to dissipate heat. Obtain immediate medical attention to assess eye conditions and the correct treatment to be practiced			No	
Ingestion	Do not induce vomiting to avoid aspiration into the respiratory tracts. Wash out thoroughly the mouth with water. Obtain immediate medical attention			No	
Injection				No	
Storage					
Storage Measures	Store under cover in the original container securely closed away from heat and sources of ignition. Do not store in the open air. Assure a correct ventilation of premises and the control of possible leak. Keep out of flame or spark and avoid the accumulation of electrostatic charges. Keep out of reach of children and away from food and drink.				
Emergency Measures					

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Loss of containment measures	Avoid flame and/or spark near leak and produced waste. Do not smoke. In case of large spills dike, absorb and shovel up into suitable containers for disposal. Contain small spills with absorbent material. Put dirty material in suitable container. Dispose of dirty material in accordance with local or national regulations.		
Fire Fighting			
Fire Fighting Measures	This product has no special fire risk. In case of fire use foam, carbon dioxide, dry chemical powder and water mist		
Unsuitable Fire Fighting Measures	EXTINGUISHING MEDIA WHICH MUST NOT BE USED FOR SAFETY REASONS: None in particular.		
Transport			
	Transport Hazard Class(es)	Transport Special Precautions	
		refer to carriage of dangerous goods procedure	
Conclusion			
Conclusion	Residual risk level Low		
Have you considered using an alternative substance?	Yes		
Reasoning			
Overall Potential Risk Level	6	Overall Residual Risk Level	1




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Substance					
Product Name	Petronas oils: Gearsynt 220; Gearsynt 460; Hydraulic HFDU 68			CAS Number(s)	Mixture - see SDS
Trade Name / Synonym(s)	Petronas oils: Gearsynt 220; Gearsynt 460; Hydraulic HFDU 68; Hydraulic Syn Bio 32; Hydraulic Syn Bio 46; Syntium 3000 5W40; and White Oil P22			COSHH INDEX Ref No.	1276
WEL	N/A			Chemical Identity	N/A
Recommended Use And Restrictions On Use	Lubrication				
Record Details					
Reference	1276 - Afan AAD			Assessor Name	Faye Ward
Org Unit	DC -> 1. COSHH Generic RA -> DCWW -> Operations -> Waste Water Services -> Bio-Resources -> AAD Facilities -> Afan AAD			Job Title	Lead COSHH Assessor
Location	Afan AAD			Assessment Date	12/02/2021
Authorised By				Date Authorised	
Description	Petronas oils: Gearsynt 220; Gearsynt 460; Hydraulic HFDU 68; Hydraulic Syn Bio 32; Hydraulic Syn Bio 46; Syntium 3000 5W40; and White Oil P22				
Hazards					
Classification Type	Classification	Category	Hazard Label	Signal Word	Hazard Statement
Not Classified	Not Classified	Not Classified			
Tasks					

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Activity Type & Activity Description	Persons At Risk & How Is Person At Risk	Control Measures	Potential Risk Factor	Additional Control Measures	Residual Risk Factor
Use Lubrication	Site colleagues Contact	PPE as below. NB goggles and visor required. Avoid ingestion. Avoid frequent and prolonged skin contact and contact with eyes. Provide adequate ventilation to avoid mist or aerosol. Don't smoke or use spare flames; avoid contact with spark or other sources of ignition. Don't work near open container to avoid high concentration of vapours. Don't eat or drink during use.	4 - Low Risk	Kept in its own secure bunded area. Only used by trained Craft personnel. Disposed of by a registered waste carrier.	2 - Low Risk
Quantity	1 Tub	<div><div><p>Eye protection must be worn</p><p>Safety goggles</p></div><div><p>Face shields must be worn</p><p>Face shield</p></div><div><p>Hand protection must be worn</p><p>Disposable nitrile gloves</p></div></div>			
Frequency Of Use	As part of PPM or as and when required				
Duration Of Use	minimal				
Environment	Enclosed Space				
Route Of Entry	Contact				
State	Liquid				
Approved For Use Within Area?	Yes				
First Aid				Seek Immediate Attention	
Inhalation	Expose affected person to fresh air and obtain medical attention if necessary.			No	
Skin Contact	Remove contaminated clothes and shoes and rinse thoroughly with plenty of water and soap.			No	
Eye Contact	Rinse thoroughly with plenty of water for at least 10 minutes keeping eyelids open. Remove contact lenses if this can be done easily. Obtain medical attention in case of development and persistence of pain and redness. In case of contact with hot product, rinse thoroughly with plenty of water to dissipate heat. Obtain immediate medical attention to assess eye conditions and the correct treatment to be practiced.			Yes	
Ingestion	Do not induce vomiting to avoid aspiration into the respiratory tracts. Wash out thoroughly the mouth with water. Obtain immediate medical attention.			No	
Injection				No	
Storage					
Storage Measures	Store under cover in the original container securely closed away from heat and sources of ignition. Do not store in the open air. Assure a correct ventilation of premises and the control of possible leak. Keep out of flame or spark and avoid the accumulation of electrostatic charges.				

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Emergency Measures			
Loss of containment measures	Avoid flame and/or spark near leak and produced waste. Do not smoke. In case of large spills dike, absorb and shovel up into suitable containers for disposal. Contain small spills with absorbent material. Put dirty material in suitable container. Dispose of dirty material in accordance with local or national regulations.		
Fire Fighting			
Fire Fighting Measures	This product has no special fire risk. In case of fire use foam, carbon dioxide, dry chemical powder and water mist. Cool down with water the containers don't get involved in fire to avoid their possible explosion.		
Unsuitable Fire Fighting Measures	Avoid high pressure water jet. Use water jet only to cool down surfaces exposed to fire.		
Transport			
		Transport Hazard Class(es)	Transport Special Precautions
		N/A	N/A
Conclusion			
Conclusion	Residual risk level low		
Have you considered using an alternative substance?	Yes		
Reasoning			
Overall Potential Risk Level	4	Overall Residual Risk Level	2




COSHH Activity Assessment Report



Substance					
Product Name	Sodium Chloride – Rocksalt, Salt Tablets, granular & low bro		CAS Number(s)	N/A	
Trade Name / Synonym(s)	Sodium Chloride – Rocksalt, Salt Tablets, granular & low bromide		COSHH INDEX Ref No.	064	
WEL	N/A		Chemical Identity	N/A	
Recommended Use And Restrictions On Use	Industrial and as laboratory reagent Boiler additive				
Record Details					
Reference	064 Afan AAD		Assessor Name	Faye Ward	
Org Unit	DC -> 1. COSHH Generic RA -> DCWW -> Operations -> Waste Water Services -> Bio-Resources -> AAD Facilities -> Afan AAD		Job Title	Lead COSHH Assessor	
Location	Afan AAD		Assessment Date	17/05/2021	
Authorised By			Date Authorised		
Description	Sodium Chloride – Rocksalt, Salt Tablets, granular & low bromide				
Hazards					
Classification Type	Classification	Category	Hazard Label	Signal Word	Hazard Statement
Not Classified	Not Classified	Not Classified			
Tasks					

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Activity Type & Activity Description	Persons At Risk & How Is Person At Risk	Control Measures	Potential Risk Factor	Additional Control Measures	Residual Risk Factor
Use Industrial and as laboratory reagent	Site colleagues Contact or inhalation	PPE as below. Avoid spilling. Avoid contact with skin and eyes. Provide adequate ventilation. Avoid handling which leads to dust formation.	4 - Low Risk	Held in a controlled area	2 - Low Risk
Quantity	10 x 25kg bags	<div> An Apron Must Be Worn</div> <div> Eye protection must be worn</div> <div> Hand protection must be worn</div> <div>Laboratory Coat</div> <div>Safety goggles</div> <div>Disposable nitrile gloves</div>			
Frequency Of Use	when required				
Duration Of Use	as required				
Environment	Open Environment				
Route Of Entry	Contact				
State	Dust				
Approved For Use Within Area?	Yes				
First Aid				Seek Immediate Attention	
Inhalation	Move to fresh air. If breathing is difficult, give oxygen. Get medical attention immediately if symptoms occur.			No	
Skin Contact	Wash off with warm water and soap. If symptoms occur, obtain medical attention.			No	
Eye Contact	Rinse immediately with plenty of water, also under eyelids, for at least 15 minutes. Obtain medical attention.			Yes	
Ingestion	Do not induce vomiting. Obtain medical attention.			Yes	
Injection				No	
Storage					
Storage Measures	Keep containers tightly closed in a cool, dry and well-ventilated place.				
Emergency Measures					
Loss of containment measures	Sweep up or vacuum up spillage and collect in suitable container for disposal. Avoid dust formation.				
Fire Fighting					
Fire Fighting Measures	The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.				



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Unsuitable Fire Fighting Measures	N/A		
Transport			
	Transport Hazard Class(es)	Transport Special Precautions	
Conclusion			
Conclusion	Residual risk level Low		
Have you considered using an alternative substance?	Yes		
Reasoning			
Overall Potential Risk Level	4	Overall Residual Risk Level	2





COSHH Activity Assessment Report



Substance					
Product Name	Caustic Soda 2 - 50%		CAS Number(s)	1310-73-2	
Trade Name / Synonym(s)	Sodium Hydroxide solution		COSHH INDEX Ref No.	021-16	
WEL	Short Term Exposure Limit (STEL): 2 mg/m3		Chemical Identity	Sodium Hydroxide solution in water	
Recommended Use And Restrictions On Use	pH Adjustment				
Record Details					
Reference	021 Afan AAD		Assessor Name	Faye Ward	
Org Unit	DC -> 1. COSHH Generic RA -> DCWW -> Operations -> Waste Water Services -> Bio-Resources -> AAD Facilities -> Afan AAD		Job Title	Lead COSHH Assessor	
Location	Afan AAD Facility		Assessment Date	19/02/2021	
Authorised By	Henryk J. Freyer		Date Authorised	27/04/2017	
Description	Caustic Soda				
Hazards					
Classification Type	Classification	Category	Hazard Label	Signal Word	Hazard Statement
Health	Skin Corrosion/Irritation	Category 1A		Danger	H314: Causes severe skin burns and eye damage
Physical	Corrosive To Metals	Category 1		Warning	H290: May be corrosive to metals
Tasks					

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Activity Type & Activity Description	Persons At Risk & How Is Person At Risk	Control Measures	Potential Risk Factor	Additional Control Measures	Residual Risk Factor
Use Water treatment	Site colleagues Skin and eye contact	Keep container tightly closed. In normal use this is within a contained system. Where there is potential of exposure use PPE below. Provide sufficient air exchange and/or exhaust in work rooms. Avoid formation of aerosol. In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit. Avoid contact with the skin and the eyes. Avoid inhalation of vapour or mist. Emergency eye wash fountains and emergency showers should be available in the immediate vicinity.	12 - High Risk		6 - Medium Risk
Quantity	1000l	<div> Eye protection must be worn Safety goggles</div> <div> Hand protection must be worn Gauntlet - PVC</div> <div> Overall/Body Covering must be worn Chemical Suit Chemmaster Hooded</div> <div> Protective footwear must be worn Safety Wellington</div>			
Frequency Of Use	Continuously				
Duration Of Use	Continuously				
Environment	Enclosed Space				
Route Of Entry	Contact				
State	Liquid				
Approved For Use Within Area?	Yes				
First Aid				Seek Immediate Attention	
Inhalation	Remove casualty to fresh air and keep at rest. If breathing is irregular or stopped, administer artificial respiration. Call a physician immediately.			No	
Skin Contact	Wash off immediately with plenty of water for at least 15 minutes. Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty.			Yes	
Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult an eye specialist immediately. Go to an ophthalmic hospital if possible			Yes	
Ingestion	Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician immediately. Rinse mouth with water. Give small amounts of water to drink.			Yes	
Injection	Nor likely route of exposure			No	



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Storage			
Storage Measures		Keep in an area equipped with alkali resistant flooring. Store in original container. Suitable materials for containers: Stainless steel; carbon steel Materials to avoid; Acids, Aluminium; Zinc; Tin;	
Emergency Measures			
Loss of containment measures		Danger of slipping if spilled. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders). Keep in suitable, closed containers for disposal. Bund large quantities for disposal. All waste liquid, absorbed product and empty containers to be disposed of as Hazardous Waste by a licensed contractor	
Fire Fighting			
Fire Fighting Measures		The product itself does not burn. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Reacts exothermic with water, Gives off hydrogen by reaction with base metals (zinc, aluminium). Risk of explosion In the event of fire, wear self-contained breathing apparatus. Wear appropriate body protection (full protective suit) Collect contaminated fire extinguishing water separately. This must not be discharged into drains. .	
Unsuitable Fire Fighting Measures		High volume water jet	
Transport			
		Transport Hazard Class(es)	Transport Special Precautions
		UN No. 1824 Class 8 ADR Proper Name: SODIUM HYDROXIDE SOLUTION	Refer to Carriage of Dangerous Goods procedure
Conclusion			
Conclusion			
Have you considered using an alternative substance?		Yes	
Reasoning			
Overall Potential Risk Level	12	Overall Residual Risk Level	6



COSHH Activity Assessment Report



Substance					
Product Name	Easi-Treat D3F		CAS Number(s)	Mixture - see SDS	
Trade Name / Synonym(s)	Easi-Treat D3F		COSHH INDEX Ref No.	1572	
WEL	SODIUM HYDROXIDE STEL 2mg/m3		Chemical Identity	SODIUM HYDROXIDE	
Recommended Use And Restrictions On Use	Boiler Water Treatment				
Record Details					
Reference	1572 Afan AAD		Assessor Name	Jessica Deane	
Org Unit	DC -> 1. COSHH Generic RA -> DCWW -> Operations -> Waste Water Services -> Bio-Resources -> AAD Facilities -> Afan AAD		Job Title	Lead COSHH Assessor	
Location	Afan AAD		Assessment Date	15/06/2022	
Authorised By			Date Authorised		
Description	Easi-Treat D3F				
Hazards					
Classification Type	Classification	Category	Hazard Label	Signal Word	Hazard Statement
Health	Skin Corrosion/Irritation	Category 2		Warning	H315: Causes skin irritation
Health	Serious Eye Damage/Eye Irritation	Category 2A		Warning	H319: Causes serious eye irritation
Tasks					

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Activity Type & Activity Description	Persons At Risk & How Is Person At Risk	Control Measures	Potential Risk Factor	Additional Control Measures	Residual Risk Factor
Use Boiler water treatment	Site colleagues Contact	PPE as below. Ensure eye bath is to hand.	6 - Medium Risk		4 - Low Risk
Quantity	As required	<div><p>Eye protection must be worn</p><p>Safety glasses</p></div> <div><p>Hand protection must be worn</p><p>Disposable nitrile gloves</p></div>			
Frequency Of Use	As required				
Duration Of Use	As required				
Environment	Enclosed Space				
Route Of Entry	Contact				
State	Liquid				
Approved For Use Within Area?	Yes				
First Aid				Seek Immediate Attention	
Inhalation	Consult a doctor.			No	
Skin Contact	Wash immediately with plenty of soap and water.			No	
Eye Contact	Bathe the eye with running water for 15 minutes.			No	
Ingestion	Wash out mouth with water.			No	
Injection				No	
Storage					
Storage Measures	Store in a cool, well ventilated area. Keep container tightly closed.				
Emergency Measures					
Loss of containment measures	Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.				
Fire Fighting					
Fire Fighting Measures	Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.				

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Unsuitable Fire Fighting Measures	N/A		
Transport			
	Transport Hazard Class(es)		Transport Special Precautions
	N/A		N/A
Conclusion			
Conclusion	Residual Risk Rating 4		
Have you considered using an alternative substance?	Yes		
Reasoning			
Overall Potential Risk Level	6	Overall Residual Risk Level	4