

EPA Application Form

4. Activity and Capacity

4.6.2 - Raw Materials, Intermediates and Products - Attachment

Organisation Name: *

Indaver Ireland Limited

Application I.D.: *

LA010332

4. Activity and Capacity

4.6. Raw Materials, Intermediates and Products

Details of Process related Raw Materials, Intermediates, Products, etc., used or generated on the site *

Complete the table below for all process related raw materials, intermediates, products, etc., used or generated on the site **Note 1** - See notes below table for further information

Note: Add additional rows in to this table if required. (Please copy the existing formatting into added rows).

Ref. No. or Code	Material/ Substance ⁽²⁾	CAS Number ^(a)	Danger Category ^{(3) (b)}	Amount Stored (tonnes) unless otherwise stated	Annual Usage (tonnes) unless otherwise stated	Nature of Use	Hazard Statement ^{(4) (b)}	Odourous Yes/No	Odour ^(c) Description	Threshold µg/m3
<p>Note (a): Entries listed as "Not Applicable" are those which have no CAS number assigned.</p> <p>Note (b): Entries listed as "Not Applicable" are those which have not been classified under the Classification, Labelling and Packaging Regulations EC No 1272/2008. i.e. no Danger Category or Hazard Statement has been assigned.</p> <p>Note (c): Entries listed as "Not Applicable" are those which odour details were not included in the safety data sheet information.</p>										
1	Ammonia, Aqueous Solution (25%)	1336-21-6	Cat 1A Skin corrosion/irritation Cat 3 Specific target organ toxicity - single exposure Cat 1 Short term (acute) aquatic hazard	62 m3	450	Neutralise the NOx present in the flue gas	H314 Causes severe burns H335 May cause respiratory irritation H400 Very toxic to aquatic life	Yes	Pungent	Not Applicable

Raw Materials, Intermediates and Products cont...

Ref. No. or Code (repeated)	Pollutants (Tick and specify Group/Family Number)				Controlled Substances REACH SVHC ⁽⁶⁾	Relevant hazardous substance? ⁽⁷⁾ Yes/No
	EC EO (Surface Waters) Regulations 2009		EC EO (Groundwater) Regulations 2010			
	Specific pollutants	Priority (hazardous) substances	Hazardous ⁽⁵⁾	Non- hazardous ⁽⁵⁾		
1	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Yes

4.6. Raw Materials, Intermediates and Products

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								Odorous Yes/No	Description	Threshold µg/m3
2	Diesel	94114-59-7	Cat 1A Skin corrosion/irritation Cat 3 Specific target organ toxicity - single exposure Cat 1 Short term (acute) aquatic hazard	52.9 m3	235	Control heating / cooling of the furnace	H351 Suspected of causing cancer. H304 May be fatal if swallowed and enters airways H315 Causes skin irritation H332 Harmful if inhaled H373 Causes damage to organs through prolonged or repeated exposure H411 Toxic to aquatic life with long lasting effects	Yes	petroleum hydrocarbon odour.	Not Applicable
3	Sodium Hydroxide (NaOH) 30% Solution (Caustic Soda)	001310-73-2	Cat. 1 Serious eye damage Cat. 1 corrosive to metals Cat. 1A Skin corrosion / irritation	0.15 m3	200 litres	Stabilise the pH of the boiler drum	H314 Causes severe skin burns and eye damage. H290 May be corrosive to metals.	Yes	Not significant	Not Applicable
4	Nitric Acid (HNO3) 27% Solution	7697-37-2	Cat. 1 Corrosive to Metals Cat. 1B Skin Corrosion / irritation Cat. 1 Serious eye damage / eye irritation	3 m3	9m3	Pipework and atomiser cleaning	H290 May be corrosive to metals. H314 Causes severe skin burns and eye damage. H318 Causes serious eye damage.	Yes	Characteristic	Not Applicable
5	Sodium Chloride (NaCl) (Salt)	7647-14-5	Not Applicable	4	500 kg	De-icing	Not Applicable	No	Odourless	Not Applicable

Raw Materials, Intermediates and Products cont...

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	EC EO (Surface Waters) Regulations 2009		EC EO (Groundwater) Regulations 2010			
	Specific pollutants	Priority (hazardous) substances	Hazardous ⁽⁵⁾	Non- hazardous ⁽⁵⁾		
2	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Yes
3	Not Applicable	Not Applicable	Undetermined	Undetermined	Not Applicable	Yes
4	Not Applicable	Not Applicable	Undetermined	Undetermined	Not Applicable	Yes
5	Not Applicable	Not Applicable	Undetermined	Undetermined	Not Applicable	No

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								Odorous Yes/No	Description	Threshold µg/m3
6	Quicklime (95%)	1305-78-8	Skin irritation (Cat 2) Serious eye damage (Cat 1) STOT (Cat 3)	115 m3	3,900	Neutralisation of the acids in the flue gas	H315 Causes skin irritation. H318 Causes serious eye damage. H335 May cause respiratory irritation.	No	Odourless	Not Applicable
7	Hydrated Lime	1305-78-8	Skin irritation (Cat 2) Serious eye damage (Cat 1) STOT (Cat 3)	150 m3	900	Neutralisation of the acids in the flue gas	H315 Causes skin irritation H318 Causes serious eye damage H335 May cause respiratory irritation	No	Odourless	Not Applicable
8	Activated Carbon	931-328-0	Cat. 1 Flammable solids	80 m3	350	Adsorption of dioxins/furans in the flue gas	H228 Flammable solid H319 Causes serious eye irritation H335 May cause respiratory irritation	No	Odourless	Not Applicable
9	Expanded Clay	Not Applicable	Skin irritation (Cat 2) Serious eye damage (Cat 1) STOT (Cat 3)	80 m3		Adsorption of dioxins/furans in the flue gas	H315 Causes skin irritation H318 Causes serious eye damage H335 May cause respiratory irritation	No	Odourless	Not Applicable

Raw Materials, Intermediates and Products cont...

Ref. No. or Code (repeated)	Pollutants (Tick and specify Group/Family Number)				Controlled Substances REACH SVHC ⁽⁶⁾	Relevant hazardous substance? ⁽⁷⁾ Yes/No
	EC EO (Surface Waters) Regulations 2009		EC EO (Groundwater) Regulations 2010			
	Specific pollutants	Priority (hazardous) substances	Hazardous ⁽⁵⁾	Non- hazardous ⁽⁵⁾		
6	Not Applicable	Not Applicable	Undetermined	Undetermined	Not Applicable	Yes
7	Not Applicable	Not Applicable	Undetermined	Undetermined	Not Applicable	Yes
8	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Yes
9	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Yes

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10	Ethylene Glycol	107-21-1	Cat. 4 Acute toxicity Cat. 2 Specific target organ toxicity	1000 litres	250L	Cooling circuits	H302 Harmful if swallowed H373 May cause damage to organs through prolonged or repeated exposure	No	Odourless	Not Applicable
11	Lubricant Oil	Not Applicable	Not Applicable	7 m3	100L	Lubricant for turbine	Not Applicable	Yes	Characteristic	Not Applicable
12	Propane	74-98-6	Flam. Gas 1	0.396-1.1 kg	1.5	Pilot Flame for Oil Burners used in start up and shut down of plant	H220 Extremely flammable gas	No	Odorless.BUT MAY HAVE SKUNK ODOR ADDED.	Not Applicable
13	Waste Feed	Not Applicable	Not Applicable	7111	250,000	Waste	Not Applicable	Yes	Characteristic	Not Applicable
14	Bottom Ash	Not Applicable	Not Applicable	600	37,000	Waste	Not Applicable	No	Odourless	Not Applicable
15	Boiler Ash	Not Applicable	Skin irritation (Cat 2) Serious eye damage (Cat 1) STOT (Cat 3)	122 m3	225	Waste	H315 Causes skin irritation H318 Causes serious eye damage H335 May cause respiratory irritation	No	Odourless	Not Applicable

Raw Materials, Intermediates and Products cont...

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	EC EO (Surface Waters) Regulations 2009		EC EO (Groundwater) Regulations 2010			
	Specific pollutants	Priority (hazardous) substances	Hazardous ⁽⁵⁾	Non- hazardous ⁽⁵⁾		
10	Not Applicable	Not Applicable	Undetermined	Undetermined	Not Applicable	Yes
11	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	No
12	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Yes
13	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	No
14	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	No
15	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Yes

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								Odorous Yes/No	Description	Threshold µg/m3
16	Flue Gas Residue	Not Applicable	Skin irritation (Cat 2) Serious eye damage (Cat 1) STOT (Cat 3) Long-term aquatic haz Cat 3	476 m3	5,700	Waste	H315 Causes skin irritation. H318 Causes serious eye damage. H335 May cause respiratory irritation. H412 Harmful to aquatic life with long lasting effects	No	Odourless	Not Applicable
17	Recovered Ferrous Metal	Not Applicable	Not Applicable	100	3,500	Waste	Not Applicable	No	Odourless	Not Applicable
18	Non Ferrous Metal	Not Applicable	Not Applicable	25	700	Waste	Not Applicable	No	Odourless	Not Applicable
19	Waste Oils	Not Applicable	Carcinogenicity Cat 2 Mutagenicity Cat 2	1000 Litres	500L	Waste	H351 Suspected of causing cancer H341 Suspected of causing genetic defects	Yes	Characteristic	Not Applicable
20	Interceptor Residue	Not Applicable	Carcinogenicity Cat 2 Mutagenicity Cat 2	5 m3	0	Waste	H351 Suspected of causing cancer H341 Suspected of causing genetic defects	Yes	Characteristic	Not Applicable
21	WEEE	Not Applicable	Not Applicable	<25	1	Waste	Not Applicable	No	Odourless	Not Applicable
22	Recyclables	Not Applicable	Not Applicable	20	5	Waste	Not Applicable	No	Odourless	Not Applicable

Raw Materials, Intermediates and Products cont...

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	EC EO (Surface Waters) Regulations 2009		EC EO (Groundwater) Regulations 2010			
	Specific pollutants	Priority (hazardous) substances	Hazardous ⁽⁵⁾	Non- hazardous ⁽⁵⁾		
16	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Yes
17	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	No
18	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	No
19	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Yes
20	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Yes
21	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	No
22	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	No

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								Odourous Yes/No	Description	Threshold µg/m3
24	Miscellaneous Hazardous	Not Applicable	Skin irritation (Cat 2) Serious eye damage (Cat 1) STOT (Cat 3) Long-term aquatic haz Cat 3	1	1	Waste	H411 Toxic to aquatic organisms with long lasting effects	Yes	Characteristic	Not Applicable
25	Pre-treated (Solidified) Residues (boiler ash + flue gas cleaning residues)	Not Applicable	Skin irritation (Cat 2) Serious eye damage (Cat 1) STOT (Cat 3) Long-term aquatic haz Cat 3	100	10,200	Waste	H315 Causes skin irritation. H318 Causes serious eye damage. H335 May cause respiratory irritation. H412 Harmful to aquatic life with long lasting effects	No	Odourless	Not Applicable

Raw Materials, Intermediates and Products cont...

Ref. No. or Code (repeated)	Pollutants (Tick and specify Group/Family Number)				Controlled Substances REACH SVHC ⁽⁶⁾	Relevant hazardous substance? ⁽⁷⁾ Yes/No
	EC EO (Surface Waters) Regulations 2009		EC EO (Groundwater) Regulations 2010			
	Specific pollutants	Priority (hazardous) substances	Hazardous ⁽⁵⁾	Non- hazardous ⁽⁵⁾		
24	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Yes
25	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Yes

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								Odourous Yes/No	Description	Threshold µg/m3
26	Liquids for Injection	Not Applicable	Acute Toxicity Oral Cat. 4 Skin Irritation Cat. 2 Carcinogenicity Cat 2 STOT Cat 1 Aquatic Chronic Cat. 2	600	20,000	Waste	H302 Harmful if swallowed H315 Causes skin irritation H351 Suspected of causing cancer H370 Causes damage to organs H411 Toxic to aquatic life with long lasting effects	Yes	Characteristic	Not Applicable
27	ANTI-FREEZE COOLANT ELF FINOL 20 LTR	Not Applicable	Not Applicable	20 Litres	5 litres	Production	Not Applicable	Yes	Characteristic	Not Applicable
28	Buffer Solution pH 4	Not Applicable	Not Applicable	4 Litres	1 litre	TOC Monitoring Equipment Calibration	Not Applicable	Yes	Characteristic	Not Applicable
29	Buffer Solution pH 7	Not Applicable	Not Applicable	4 Litres	1 litre	TOC Monitoring Equipment Calibration	Not Applicable	Yes	Characteristic	Not Applicable
30	Chilltech	10102-40-6	Skin Irritation Cat. 2 Eye irritation Cat. 2	100 Litres	50 litres	Corrosion Inhibitor in cooling system.	H315 Causes skin irritation H319 Causes serious eye irritation	Yes	Characteristic	Not Applicable
31	Conductivity Standard 1413uS/cm	Not Applicable	Not Applicable	2 Litres	1 litre	TOC Monitoring Equipment Calibration	Not Applicable	Yes	Characteristic	Not Applicable

Raw Materials, Intermediates and Products cont...

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	EC EO (Surface Waters) Regulations 2009		EC EO (Groundwater) Regulations 2010			
	Specific pollutants	Priority (hazardous) substances	Hazardous ⁽⁵⁾	Non- hazardous ⁽⁵⁾		
26	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Yes
27	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	No
28	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	No
29	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	No
30	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Yes
31	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	No

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								Odourous Yes/No	Description	Threshold µg/m3
32	Disinfectant FAM 30 5L	Not Applicable	Metal Corrosion Cat 1 Skin Corrosion Cat 1B Aquatic Chronic 2	15 Litres	5 litres	Production	H290 May be corrosive to metals. H314 Causes severe skin burns and eye damage. H411 Toxic to aquatic life with long lasting effects	Yes	Faint - surfactant Faint - Iodine	Not Applicable
33	GREENOX Adblue (Urea)	57-13-6	Not Applicable	80 Litres	100 litres	Production	Not Applicable	Yes	Ammonia - like	Not Applicable

Raw Materials, Intermediates and Products cont...

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	EC EO (Surface Waters) Regulations 2009		EC EO (Groundwater) Regulations 2010			
	Specific pollutants	Priority (hazardous) substances	Hazardous ⁽⁵⁾	Non- hazardous ⁽⁵⁾		
32	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Yes
33	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	No

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								Odourous Yes/No	Description	Threshold µg/m3
34	LUBRICANT BRILUBE 30 (20L)	Not Applicable	Flammable liquids Category 3, Specific Target Organ Toxicity - Single Exposure Category 3, Specific Target Organ Toxicity - Repeated Exposure Category 1, Aspiration Hazard Category 1, Chronic hazards to the aquatic environment Category 2	40 Litres	20 litres	Lubricant	H226: Flammable liquid and vapor, H336: May cause drowsiness or dizziness, H372: Causes damage to organs through prolonged or repeated exposure, H304: May be fatal if swallowed and enters airways, H411: Toxic to aquatic life with long lasting effects	Yes	Characteristic	Not Applicable
35	LUBRICANT QUAKER 888-46 F/R 180KG	Not Applicable	Not Applicable	624 Litres	832 litres	Furnace and flue gas hydraulics	Not Applicable	Yes	Characteristic	Not Applicable
36	OIL MOBIL DTE26 (208L)	Not Applicable	Not Applicable	208 Litres	832 litres	Lubricant	Not Applicable	Yes	Characteristic	Not Applicable

Raw Materials, Intermediates and Products cont...

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	EC EO (Surface Waters) Regulations 2009		EC EO (Groundwater) Regulations 2010			
	Specific pollutants	Priority (hazardous) substances	Hazardous ⁽⁵⁾	Non- hazardous ⁽⁵⁾		
34	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Yes
35	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	No
36	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	No

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								Odourous Yes/No	Description	Threshold µg/m3
37	Pedrogen (Hydrogen Peroxide Solution)	7722-84-1	Acute Toxicity Oral Cat. 2 Irritant Cat. 1 Aquatic Chronic Cat. 4	1 Litre	1 litre	Mech	H302 Harmful if swallowed H318 Causes serious eye damage H413 May cause long lasting harmful effects to aquatic life	Yes	Stinging	Not Applicable
38	sulphuric acid	7664-93-9	Cat. 1 Corrosive to metals Cat.2 skin corrosion / irritation Cat. 2A Serious eye damage / eye irritation	400 Litres	200 litres	Easl (E+I)	H290 May be corrosive to metals H315 Causes skin irritation H319 Causes serious eye irritation	No	Odourless	Not Applicable
39	OSMOCLEAN B	Not Applicable	Corrosive to Metals Cat. 2 Skin corrosion / irritation Category 1A, 1B, 1C	1 kg	1 kg	Mech	H290 May be corrosive to metals H314 Causes severe skin burns and eye damage	Yes	Slight	Not Applicable
40	OSMOCLEAN C	Not Applicable	Cat. 2 skin irritation Cat 1. serious eye damage	1 kg	1 kg	Mech	H315 Causes skin irritation H318 Causes serious eye damage	Yes	Slight	Not Applicable
41	Testomat 2000 Indikator TH-2005	Not Applicable	Cat. 2 Serious eye damage/eye irritation	1 Litre	2 litres	Hardness Monitoring	H319 Causes serious eye irritation	Yes	Characteristic	Not Applicable

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	EC EO (Surface Waters) Regulations 2009		EC EO (Groundwater) Regulations 2010			
	Specific pollutants	Priority (hazardous) substances	Hazardous ⁽⁵⁾	Non- hazardous ⁽⁵⁾		
37	Not Applicable	Not Applicable	Undetermined	Undetermined	Not Applicable	Yes
38	Not Applicable	Not Applicable	Undetermined	Undetermined	Not Applicable	Yes
39	Not Applicable	Not Applicable	Undetermined	Undetermined	Not Applicable	Yes
40	Not Applicable	Not Applicable	Undetermined	Undetermined	Not Applicable	Yes
41	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Yes

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								Odorous Yes/No	Description	Threshold µg/m3
42	Thermbond 7004	Not Applicable	Not Applicable	16 Gallons	10 Gallons	Used for maintenance of the furnace during shutdown	Not Applicable	No	Not Applicable	Not Applicable
43	Toluene	108-88-3	Flammable Liquid Cat 2 Irritant Cat. 2 STOT Cat 2 + 3 Aspiration Tox. Cat. 1 Toxic for Reproduction Cat. 2 Long-term aquatic haz Cat 3	25 Litres	1 litre	Cleaning of dioxin probe during service	H225 Highly Flammable liquid and vapor H315 Causes skin irritation H304 May be fatal if swallowed and enters airways H336 May cause drowsiness or dizziness H373 Causes damage to organs through prolonged or repeated exposure H361d Suspected of damaging fertility; Suspected of damaging the unborn child	Yes	Benzene-like	Not Applicable
44	CAT Transmission and Drive Train Oil	Not Applicable	Not Applicable	20 Litres	5 litres	Loader	Not Applicable	Yes	Characteristic	Not Applicable
45	CAT Hydraulic Oil	Not Applicable	Not Applicable	60 Litres	80 litres	Loader	Not Applicable	Yes	Characteristic	Not Applicable

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	EC EO (Surface Waters) Regulations 2009		EC EO (Groundwater) Regulations 2010			
	Specific pollutants	Priority (hazardous) substances	Hazardous ⁽⁵⁾	Non- hazardous ⁽⁵⁾		
42	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	No
43	Yes	Not Applicable	Yes	Not Applicable	On restriction list Annex XVII to REACH	Yes
44	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	No
45	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	No

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								Odorous Yes/No	Description	Threshold µg/m3
46	CAT Extended Life Coolant	Not Applicable	Acute Toxicity Oral Cat.4	20 Litres	5 litres	Loader	H302 Harmful if swallowed	Yes	Faint - Mild	Not Applicable
47	CAT Engine Oil	Not Applicable	Not Applicable	20 Litres	5 litres	Loader	Not Applicable	Yes	Characteristic	Not Applicable
48	Karcher Machine Protector Advance 1	Not Applicable	Not Applicable	5 Litres	2 litres	Loader	Not Applicable	Yes	Characteristic	Not Applicable
49	Karcher Active Cleaner	Not Applicable	Not Applicable	1 Litre	1 litre	Loader	Not Applicable	Yes	Fruit-like	Not Applicable
50	Disofil 32 Refractory Binder	Not Applicable	Cat 1. serious eye damage	185 Litres	50 litres	shutdown	H318 Causes serious eye damage	No	Odourless	Not Available
51	Carter SY 220	Not Applicable	Not Applicable	40 Litres	100 litres	shutdown	Not Applicable	Yes	Characteristic	Not Applicable
52	Ecocool MB	Not Applicable	Cat. 2 Causes skin irritation Cat. 2 Causes serious eye irritation	5 Litres	2 litres	Coolant for bandsaw	Not Applicable	Yes	Characteristic	Not Applicable
53	MOBIL CHASSIS GREASE LB2	Not Applicable	Not Applicable	15 Litres	5 litres	Chassis grease	Not Applicable	Yes	Characteristic	Not Applicable
54	MOBIL DTE 26	Not Applicable	Not Applicable	416 Litres	832 litres	Oil for the grab (lubricant)	Not Applicable	Yes	Characteristic	Not Applicable
55	Mobil SHC 630	Not Applicable	Not Applicable	20 Litres	5 litres	Grease for grate (lubricant)	Not Applicable	Yes	Characteristic	Not Applicable
56	MOBIL XMP 220	Not Applicable	Not Applicable	40 Litres	5 litres	Gearboxes	Not Applicable	Yes	Characteristic	Not Applicable
57	Mobilgear 600 XP 150	Not Applicable	Not Applicable	60 Litres	40 litres	Bunker cranes	Not Applicable	Yes	Characteristic	Not Applicable
58	Mobilgear 600 XP 220	Not Applicable	Not Applicable	40 Litres	20 litres	Gearbox oil	Not Applicable	Yes	Characteristic	Not Applicable
59	Mobilgear 600 XP 460	Not Applicable	Not Applicable	40 Litres	20 litres	Gearbox in the maturation silo	Not Applicable	Yes	Characteristic	Not Applicable
60	Mobilgear 600 XP 680	Not Applicable	Not Applicable	40 Litres	20 litres	Gearbox in the maturation silo	Not Applicable	Yes	Characteristic	Not Applicable
61	Mobilgrease XHP 222	Not Applicable	Not Applicable	0.0048	31.2 kg	Bearings	Not Applicable	Yes	Characteristic	Not Applicable

Raw Materials, Intermediates and Products cont...

Ref. No. or Code (repeated)	Pollutants (Tick and specify Group/Family Number)				Controlled Substances REACH SVHC ⁽⁶⁾	Relevant hazardous substance? ⁽⁷⁾ Yes/No
	EC EO (Surface Waters) Regulations 2009		EC EO (Groundwater) Regulations 2010			
	Specific pollutants	Priority (hazardous) substances	Hazardous ⁽⁵⁾	Non- hazardous ⁽⁵⁾		
46	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Yes
47	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	No
48	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	No
49	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	No
50	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Yes
51	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	No
52	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Yes
53	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	No
54	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	No
55	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	No
56	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	No
57	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	No
58	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	No
59	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	No
60	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	No
61	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	No

4.6. Raw Materials, Intermediates and Products

Details of Process related Raw Materials, Intermediates, Products, etc., used or generated on the site *

Complete the table below for all process related raw materials, intermediates, products, etc., used or generated on the site **Note 1** - See notes below table for further information

Note: Add additional rows in to this table if required. (Please copy the existing formatting into added rows).

Ref. No. or Code	Material/ Substance ⁽²⁾	CAS Number ^(a)	Danger Category ^{(3) (b)}	Amount Stored (tonnes) unless otherwise stated	Annual Usage (tonnes) unless otherwise stated	Nature of Use	Hazard Statement ^{(4) (b)}	Odour ^(c)		
								Odorous Yes/No	Description	Threshold µg/m3
62	Mobil NUTO H 46	Not Applicable	Not Applicable	20 Litres	40 litres	Pumps	Not Applicable	Yes	Characteristic	Not Applicable
63	Total Preslia GT 46	Not Applicable	Not Applicable	832 Litres	208 litres	Lubricant for turbine	Not Applicable	Yes	Characteristic	Not Applicable
64	Ridgid Dark Thread Cutting Oil	Not Applicable	Not Applicable	2 Litres	1 litre	Thread cutting machine oil	Not Applicable	Yes	Mild Petroleum Solvent	Not Applicable
65	Total Multis Complex EP3	Not Applicable	Not Applicable	0.0048	4.8 kg	Motor grease	Not Applicable	Yes	Characteristic	Not Applicable
66	Renolith 443 HD 88	Not Applicable	Not Applicable	0.0048	8 kg	Double deck	Not Applicable	Yes	Characteristic	Not Applicable
67	Hydrogen	1333-74-0	Cat. 1A Flammable gases Gas under pressure	200 Litres	150 litres	Continous Emissions Monitoring	H220 Extremely flammable gas H280 Contains gas under pressure; may explode if heated	No	Odourless	Not Applicable
68	Ineregen Mixture of Gases (Oxygen, Carbon Dioxide, Argon 93%)	7440-37-1	Gases under pressure	0.429	0	Fire Suppression	H280 Contains gas under pressure; may explode if heated	No	Odourless	Not Applicable
69	Mixture of Gases (Anhydrous Ammonia, Nitrogen 99.98%)	7727-37-9	Gases under pressure	20 Litres	10 litres	Continous Emissions Monitoring	H280 Contains gas under pressure; may explode if heated	No	Odourless	Not Applicable
70	Mixture of Gases (Carbon Dioxide 12%, Nitrogen 88%)	124-38-9 7727-37-9	Gases under pressure	100 Litres	50 litres	Continous Emissions Monitoring	H280 Contains gas under pressure; may explode if heated	No	Odourless	Not Applicable

Raw Materials, Intermediates and Products cont...

Ref. No. or Code (repeated)	Pollutants (Tick and specify Group/Family Number)				Controlled Substances REACH SVHC ⁽⁶⁾	Relevant hazardous substance? ⁽⁷⁾ Yes/No
	EC EO (Surface Waters) Regulations 2009		EC EO (Groundwater) Regulations 2010			
	Specific pollutants	Priority (hazardous) substances	Hazardous ⁽⁵⁾	Non- hazardous ⁽⁵⁾		
62	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	No
63	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	No
64	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	No
65	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	No
66	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	No
67	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Yes
68	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Yes
69	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Yes
70	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Yes

4.6. Raw Materials, Intermediates and Products

Details of Process related Raw Materials, Intermediates, Products, etc., used or generated on the site *

Complete the table below for all process related raw materials, intermediates, products, etc., used or generated on the site **Note 1** - See notes below table for further information

Note: Add additional rows in to this table if required. (Please copy the existing formatting into added rows).

Ref. No. or Code	Material/ Substance ⁽²⁾	CAS Number ^(a)	Danger Category ^{(3) (b)}	Amount Stored (tonnes) unless otherwise stated	Annual Usage (tonnes) unless otherwise stated	Nature of Use	Hazard Statement ^{(4) (b)}	Odour ^(c)		
								Odorous Yes/No	Description	Threshold µg/m3
71	Mixture of Gases (Dinitrogen Oxide, Nitrogen 99.998%)	7727-37-9	Gases under pressure Corrosive (Skin Corr. 1B)	100 Litres	50 litres	Continous Emissions Monitoring	H280 Contains gas under pressure; may explode if heated H314 Causes severe skin burns and eye damage	No	Odourless	Not Applicable
72	Mixture of Gases (Hydrogen chloride, Nitrogen 99.76%)	7727-37-9	Gases under pressure	10 Litres	10 litres	Continous Emissions Monitoring	H280 Contains gas under pressure; may explode if heated	No	Odourless	Not Applicable
73	Mixture of Gases (Nitrogen dioxide, Nitrogen >99.99%)	7727-37-9	Gases under pressure	50 Litres	50 litres	Continous Emissions Monitoring	H280 Contains gas under pressure; may explode if heated	No	Odourless	Not Applicable
74	Mixture of Gases (Oxygen, Nitrogen 99.6%)	7727-37-9	Gases under pressure	150 Litres	25 litres	Continous Emissions Monitoring	H280 Contains gas under pressure; may explode if heated	No	Odourless	Not Applicable
75	Mixture of Gases (Oxygen, Nitrogen 92%)	7727-37-9	Gases under pressure	100 Litres	25 litres	Continous Emissions Monitoring	H280 Contains gas under pressure; may explode if heated	No	Odourless	Not Applicable
76	Mixture of Gases (Oxygen, Nitrogen 98%)	7727-37-9	Gases under pressure	100 Litres	50 litres	Continous Emissions Monitoring	H280 Contains gas under pressure; may explode if heated	No	Odourless	Not Applicable
77	Mixture of Gases (Propane, Nitrogen >99.99%)	7727-37-9	Gases under pressure	100 Litres	50 litres	Continous Emissions Monitoring	H280 Contains gas under pressure; may explode if heated	No	Odourless	Not Applicable

Raw Materials, Intermediates and Products cont...

Ref. No. or Code (repeated)	Pollutants (Tick and specify Group/Family Number)				Controlled Substances REACH SVHC ⁽⁶⁾	Relevant hazardous substance? ⁽⁷⁾ Yes/No
	EC EO (Surface Waters) Regulations 2009		EC EO (Groundwater) Regulations 2010			
	Specific pollutants	Priority (hazardous) substances	Hazardous ⁽⁵⁾	Non- hazardous ⁽⁵⁾		
71	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Yes
72	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Yes
73	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Yes
74	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Yes
75	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Yes
76	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Yes
77	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Yes

4.6. Raw Materials, Intermediates and Products

Details of Process related Raw Materials, Intermediates, Products, etc., used or generated on the site *

Complete the table below for all process related raw materials, intermediates, products, etc., used or generated on the site **Note 1** - See notes below table for further information

Note: Add additional rows in to this table if required. (Please copy the existing formatting into added rows).

Ref. No. or Code	Material/ Substance ⁽²⁾	CAS Number ^(a)	Danger Category ^{(3) (b)}	Amount Stored (tonnes) unless otherwise stated	Annual Usage (tonnes) unless otherwise stated	Nature of Use	Hazard Statement ^{(4) (b)}	Odour ^(c)		
								Odourous Yes/No	Description	Threshold µg/m3
78	Mixture of Gases (SO2, CO, NO, Nitrogen >99.9%)	7727-37-9	Gases under pressure Acute Tox. 4	150 Litres	50 litres	Continous Emissions Monitoring	H280 Contains gas under pressure; may explode if heated H332 Harmful if inhaled	No	Odourless	Not Applicable
79	Mixture of Gases (Sulphur dioxide, Nitrogen >99.91%)	7727-37-9	Gases under pressure	30 Litres	10 litres	Continous Emissions Monitoring	H280 Contains gas under pressure; may explode if heated	No	Odourless	Not Applicable
80	Nitrogen Gas (N2)	7727-37-9	Gases under pressure	150 Litres	50 litres	Continuous emissions monitoring	H280 Contains gas under pressure; may explode if heated	No	Odourless	Not Applicable
81	Aer-O-Lite 3% fire fighting foam	Not Applicable	Eye irritation Cat 2	1,500 litres	0	Fire Fighting	H319 Causes serious eye irritation	Yes	Mild- Pleasant	Not Applicable
82	O Denaut V	Not Applicable	Not Applicable	1000 litres	5000 litres	Odour Suppressant	Not Applicable	Yes	Characteristic	Not Applicable
83	Citric Acid 40%	Not Applicable	Cat. 2A Serious eye damage / eye irritation	5 litres	2 litres	Atomiser cleaning	H319 Causes serious eye irritation	Yes	Characteristic	Not Applicable

Raw Materials, Intermediates and Products cont...

Ref. No. or Code (repeated)	Pollutants (Tick and specify Group/Family Number)				Controlled Substances REACH SVHC ⁽⁶⁾	Relevant hazardous substance? ⁽⁷⁾ Yes/No
	EC EO (Surface Waters) Regulations 2009		EC EO (Groundwater) Regulations 2010			
	Specific pollutants	Priority (hazardous) substances	Hazardous ⁽⁵⁾	Non- hazardous ⁽⁵⁾		
78	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Yes
79	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Yes
80	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Yes
81	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Yes
82	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	No
83	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Yes

4.6. Raw Materials, Intermediates and Products

Details of Process related Raw Materials, Intermediates, Products, etc., used or generated on the site *

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								Odourous Yes/No	Description	Threshold µg/m3
84	Hempels Curing Agent	Not Applicable	Flam liquid Cat 3 Acute Tox Cat 4 Serious Eye damage Cat 1 Skin Irritation Cat 2 Resp. sensitiser	1.25 litres	0.25 litres	Curing Agent	H226 - Flammable liquid and vapour. H332 - Harmful if inhaled. H318 - Causes serious eye damage. H315 - Causes skin irritation. H317 - May cause an allergic skin reaction.	Yes	Solvent-like	Not Applicable
85	Biotector Reagent 1.2N Sodium Hydroxide	1310-73-2	Skin corrosion / irritation Category 1, 1A	200 litres	400 litres	TOC re-agent	H314 Causes severe skin burns and eye damage	No	Odourless	Not Applicable

Raw Materials, Intermediates and Products cont...

Ref. No. or Code (repeated)	Pollutants (Tick and specify Group/Family Number)				Controlled Substances REACH SVHC ⁽⁶⁾	Relevant hazardous substance? ⁽⁷⁾ Yes/No
	EC EO (Surface Waters) Regulations 2009		EC EO (Groundwater) Regulations 2010			
	Specific pollutants	Priority (hazardous) substances	Hazardous ⁽⁵⁾	Non- hazardous ⁽⁵⁾		
84	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Yes
85	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Yes

4.6. Raw Materials, Intermediates and Products

Details of Process related Raw Materials, Intermediates, Products, etc., used or generated on the site *

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Ref. No. or Code	Material/ Substance ⁽²⁾	CAS Number ^(a)	Danger Category ^{(3) (b)}	Amount Stored (tonnes) unless otherwise stated	Annual Usage (tonnes) unless otherwise stated	Nature of Use	Hazard Statement ^{(4) (b)}	Odour ^(c)		
								Odorous Yes/No	Description	Threshold µg/m3
86	Biotector Reagent 1.8N Sulphuric Acid	Not Applicable	Acute Toxicity Cat 3 Skin Corrosion Cat 1 Eye Damage Cat 1 STOT Cat 1	200 litres	400 litres	TOC Re-agent	H290 May be corrosive to metals. H314 Causes severe skin burns and eye damage. H318 Causes serious eye damage. H331 Toxic if inhaled. H350 May cause cancer. H370 Causes damage to organs. H372 Causes damage to organs through prolonged or repeated exposure. H401 Toxic to aquatic life.	No	Not Applicable	Not Applicable
87	Biocut Blue Neat Cutting Oil	Not Applicable	Not Applicable	5 Litres	2 litres	Drilling/Tapping fluid	Not Applicable	Yes	Perceptible	Not Applicable
88	FP397 Fire Fighting Foam	Not Applicable	Eye Irritant Category 2	50 litres	0	Fire Fighting	H319 Causes serious eye irritation	Yes	Protein Smell	Not Applicable

Raw Materials, Intermediates and Products cont...

Ref. No. or Code (repeated)	Pollutants (Tick and specify Group/Family Number)				Controlled Substances REACH SVHC ⁽⁶⁾	Relevant hazardous substance? ⁽⁷⁾ Yes/No
	EC EO (Surface Waters) Regulations 2009		EC EO (Groundwater) Regulations 2010			
	Specific pollutants	Priority (hazardous) substances	Hazardous ⁽⁵⁾	Non- hazardous ⁽⁵⁾		
86	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Yes
87	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	No
88	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Yes

4.6. Raw Materials, Intermediates and Products

Details of Process related Raw Materials, Intermediates, Products, etc., used or generated on the site *

Complete the table below for all process related raw materials, intermediates, products, etc., used or generated on the site **Note 1** - See notes below table for further information

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Ref. No. or Code	Material/ Substance ⁽²⁾	CAS Number ^(a)	Danger Category ^{(3) (b)}	Amount Stored (tonnes) unless otherwise stated	Annual Usage (tonnes) unless otherwise stated	Nature of Use	Hazard Statement ^{(4) (b)}	Odour ^(c)		
								Odorous Yes/No	Description	Threshold µg/m3
89	FP70 Fire Fighting Foam	Not Applicable	Skin sensitisation, Category 1	20 litres	0	Fire Fighting	H317 may cause an allergic skin reaction	Yes	Organic	Not Applicable
90	Ecofoam6 (3FFF)	Not Applicable	Cat 1. serious eye damage Cat 3 Skin Irritation	34 X 14kg	0	Fire Fighting	H318 Causes serious eye damage H316 Causes mild skin irritation	Yes	Synthetic Smell	Not Applicable
91	Third Party Ash Accepted on Site for Treatment Boiler Ash Flue Gas Cleaning Residues	Not Applicable	Skin irritation (Cat 2) Serious eye damage (Cat 1) STOT (Cat 3) Long-term aquatic haz Cat 3	1 X 100m3 2 X 200m3	39,000	Waste	H315 Causes skin irritation. H318 Causes serious eye damage. H335 May cause respiratory irritation. H412 Harmful to aquatic life with long lasting effects	No	Odourless	Not Applicable
92	Hydrogen produced in Generation Unit	1333-74-0	Cat. 1A Flammable gases Gases under pressure	2 tonnes storage tank	1,200 t	Injection into Natural Gas Grid or as a fuel in transport	H220 Extremely flammable gas H280 Contains gas under pressure; may explode if heated	No	Odourless	Not Applicable
93	Bottom Ash	Not Applicable	Not Applicable	5,000 tonnes bottom ash hall	see Line Item 14 above	Waste	Not Applicable	No	Odourless	Not Applicable

Raw Materials, Intermediates and Products cont...

Ref. No. or Code (repeated)	Pollutants (Tick and specify Group/Family Number)				Controlled Substances REACH SVHC ⁽⁶⁾	Relevant hazardous substance? ⁽⁷⁾ Yes/No
	EC EO (Surface Waters) Regulations 2009		EC EO (Groundwater) Regulations 2010			
	Specific pollutants	Priority (hazardous) substances	Hazardous ⁽⁵⁾	Non- hazardous ⁽⁵⁾		
89	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Yes
90	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Yes
91	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Yes
92	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Yes
93	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	No

4.6. Raw Materials, Intermediates and Products

Details of Process related Raw Materials, Intermediates, Products, etc., used or generated on the site *

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Ref. No. or Code	Material/ Substance ⁽²⁾	CAS Number ^(a)	Danger Category ^{(3) (b)}	Amount Stored (tonnes) unless otherwise stated	Annual Usage (tonnes) unless otherwise stated	Nature of Use	Hazard Statement ^{(4) (b)}	Odour ^(c)		
								Odorous Yes/No	Description	Threshold µg/m3
94	Nitrogen Gas (N2)	7727-37-9	Gases under pressure	5m3	20,000 m3	Nitrogen Blanketting of Aqueous Waste Storage Tanks	H280 Contains gas under pressure; may explode if heated	No	Odourless	Not Applicable

- Notes:**
- The details provided should be very comprehensive, all materials used, fuels, intermediates, laboratory chemicals and product should be included. Particular attention should be paid to materials and product consisting of, or containing, dangerous substances as described in the EU (Classification, Packaging, Labelling and Notification of Dangerous Substances) Regulations 2003 [SI 116/2003] as amended and Regulation (EC) No. 1272/2008. The list must classify these materials in accordance with both of these Regulations, and must specify the designated Hazard Statements. Hazard statements for each substance should be in accordance with Article 21 of the EC Regulation 1272/2008. The list must identify any Substances of Very High Concern (SVHC) listed in Annex XIV of the REACH Regulations (Regulation (EC) No 1907/2006) as amended and indicate whether the use has been authorised or is exempted in accordance with the Regulation. In the case(s) of exempted use(s) the list must state the basis for each intended exempted use concerned
 - In cases where a material comprises a number of distinct and available dangerous substances, please give details for each component substance.
 - Article 2(2) of S.I. No. 116/2003.
 - EC Regulation 1272/2008 (Chemicals Act 2008 (13 of 2008) and 2010)
 - The EPA Classification of Hazardous and Non-Hazardous Substances in Groundwater, December 2010.
 - Where relevant, specify whether the substance is on the Authorisation List (Annex XIV Regulation (EC) No 1907/2006 as amended) or Restriction List (Annex XVII Regulation (EC) No 1907/2006 as amended). Also, indicate whether the use has been authorised or exempted in accordance with Regulation (EC) No 1907/2006 as amended.
 - Relevant hazardous substances are those substances or mixtures defined within Article 3 of Regulation (EC) No 1272/2008 on the classification, labelling and packaging of substances and mixtures which, as a result of their hazardoussness, mobility, persistence and biodegradability (as well as other characteristics), are capable of contaminating soil or groundwater.

Raw Materials, Intermediates and Products cont...

Ref. No. or Code (repeated)	Pollutants (Tick and specify Group/Family Number)				Controlled Substances REACH SVHC ⁽⁶⁾	Relevant hazardous substance? ⁽⁷⁾ Yes/No
	EC EO (Surface Waters) Regulations 2009		EC EO (Groundwater) Regulations 2010			
	Specific pollutants	Priority (hazardous) substances	Hazardous ⁽⁵⁾	Non- hazardous ⁽⁵⁾		
94	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Yes