

Attachment E5

Raw Materials

- List of Raw Materials, Intermediates and Products.

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Consent of copyright owner required for any other use.*

Waste Licence Application – Atlas Ireland

1.1 RAW MATERIALS, INTERMEDIATES, PRODUCTS, etc.

Ref. No or Code	Material/Substance ¹	CAS Number	Danger ² Category	Amount Stored (tonnes)	Annual Usage (tonnes)	Nature of Use	Organic/Inorganic	R ³ -Phrase	S ³ -Phrase	Major Industrial Hazard Regs Yes/No
1	Atlas Product 11 LS	Not available	Flammable	400	2000	Boiler Fuel	Organic	Not available	Not available	Not confirmed
2.	Toluene	108-88-3	Flammable	0.0021	0.018	Laboratory Test	Organic	R11/R20	S16/S25/S29/S33	No
3.	Petroleum Ether	64742-89-8	Flammable	0.142	0.107	Laboratory Test	Organic	R11	S9/S16/S29/S33	No
4	Hydranal	Not available	Not available	0.006	0.006	Laboratory Test	Organic	Not available	Not available	No
5.	n-Heptane	142-82-5	Flammable	0.0017	0.017	Laboratory Test	Organic	R11	S9/S16/S29/S33	No
6.	N-Hexane	110-54-3	Flammable	0.00165	0.033	Laboratory Test	Organic	R11	S9/S16/S29/S33	No
7.	Dichloromethane	75-09-02	Flammable	0.00165	0.033	Laboratory Test	Organic	R11-R36	S45-R53	No
8.	Calcium Chloride	7774-3-7	Not applicable	0.5	0.5	Raw Material	Organic	R36	S22-S24	No
9.	Waste Lubricating Oil	Not available	Flammable	400	20,000	Raw Material	Organic	Not available	Not available	No
10.	Light fuel Oil	68334-30-5	Flammable	50	400	Boiler Fuel	Organic	R40/R65	S2/24/36/37/43/61/62.	No
11.	Bacel Resin	50-00-0	Not applicable	44,000lit	44,000lit	Raw Material	Organic	R23-43	S26-51	No
12.	Orthophosphoric acid	7664-38-2	Flammable	-----	0.96	Raw Material	Inorganic	R34	S26/45	No
13.	2,2,4 Tri-methylpentane	64742-88-7	Flammable	0.05	0.01	Laboratory Test	Organic	R11	S9/16/29/33	No
14.	Stoddards Solvent	64742-88-7	Flammable	0.025	0.05	Laboratory Test	Organic	R10-51/53-65	S37/43/51/62/24/25	No
15.	Molasses	Not available	Not available	1	2	Raw Material	Organic	Not applicable	Not applicable	No
16.	Hydrogen Peroxide	7722-84-1	Oxidising	Not available	Not available	Raw Material	Inorganic	R8-34	S28/3/36/39/45	No
17.	Natural Gas	00074-82-8	Flammable	mains	3927245 kWh	Energy	Organic	R12	S16/33	No
18.	BFL 6000	Not applicable	Stable	Not available	0.2	Raw Material	Organic	Not applicable	Not applicable	No
19	Fertiliser	Not available	Not available	Not available	12	Not available	Not available	Not available	Not available	No
20.	Electricity	Not available	Not available	Not applicable	657.202 K	Not available	Not available	Not available	Not available	No

¹In cases where a material comprises a number of distinct and available dangerous substances, please give details for each component substance.

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²c.f. Article 2(2) of S.I. N° 77 of 1994

³c.f. Schedules 2 and 3 of S.I. N° 77 of 1994

Ref. N° or Code	Material / Substance ²	Ecological Aquatic			Toxicological			Radioactive Yes/No	
		LC ₅₀ mg/l	Species	EC ₅₀ mg/l ³	Species	Oral LD ₅₀ mg/kg	IV LD ₅₀ mg/kg		Species
1	Atlas Product 11 LS		Not available		Not available		Not available	Not available	No
2.	Toluene	5320	MUS		Not available	5000	Rat	Not available	No
3.	Petroleum Ether		Not available		Not available		Not available	Not available	No
4	Hydranal		Not available		Not available	2000	Rat	Not available	No
5.	n-Heptane		Not available		Not available	222	MUS	Not available	No
6.	N-Hexane		Not available		Not available	28170	Rat	Not available	No
7.	Dichloromethane		Not available		Not available	2524	Rat	Not available	No
8.	Calcium Chloride		Not available		Not available		Not available	Not available	No
9.	Waste Lubricating Oil		Not available		Not available		Not available	Not available	No
10.	Light fuel Oil		Not available		Not available		Not available	Not available	No
11.	Bacel Resin	4.96	Fish	5.80	Daphnia		Not available	Not available	No
12.	Orthophosphoric acid	138	Mosquito fish		Not available	1530	Rat	Not available	No
13.	2,2,4 Tri-methylpentane		Not available		Not available		Not available	Not available	No
14.	Stoddards Solvent	5.5	Rat		Not available	>5000	Rat	Not available	No
15.	Molasses		Not available		Not available		Not available	Not available	No
16.	Hydrogen Peroxide	42	Carp	2.4	Daphnia	850	Rabbit	Not available	No
17.	Natural Gas		Not applicable		Not available		Not applicable	Not available	No
18.	BFL 6000		Not applicable		Not available		Not applicable	Not available	No
19	Fertiliser		Not available		Not available		Not available	Not available	No
20.	Electricity		Not available		Not available		Not available	Not available	No

Ref. N ^o or Code	Material / Substance ²	TA Luft Class 1, 2 or 3	Odour			EU Lists I and II (Specify Group/Family Number)			
			Odour s Yes/No	Description	Threshold µg/m ³	Dangerous Substances Directive 76/464/EEC		Groundwater Directive 80/68/EEC	
						List I	List II +129 ³		List I
1	Atlas Product 11 LS	Not applicable	yes	Mild	Not available	✓		✓	
2.	Toluene	2	yes	Aromatic	Not available	Not applicable	Not applicable	Not applicable	Not applicable
3.	Petroleum Ether	Not applicable	yes	Mild odour	Not available	Not applicable	Not applicable	Not applicable	Not applicable
4	Hydranal	Not applicable	yes	Characteristic	Not available	Not applicable	Not applicable	Not applicable	Not applicable
5.	n-Heptane	Not applicable	-----	Not available	Not available	Not applicable	Not applicable	Not applicable	Not applicable
6.	N-Hexane	Not applicable	-----	Not available	Not available	Not applicable	Not applicable	Not applicable	Not applicable
7.	Dichloromethane	3	yes	Characteristic	Not available	* ✓		* ✓	
8.	Calcium Chloride	Not applicable	No	None reported	Not available	Not applicable	Not applicable	Not applicable	Not applicable
9.	Waste Lubricating Oil	Not applicable	yes	Characteristic	Not available	✓		✓	
10.	Light fuel Oil	Not applicable	yes	Characteristic	Not available	✓		✓	
11.	Bacel Resin	Not applicable	yes	Slight smell of formal	Not available	Not applicable	Not applicable	Not applicable	Not applicable
12.	Orthophosphoric acid	Not applicable	-----	Not available	Not available	* ✓		* ✓	
13.	2,2,4 Tri-methylpentane	Not applicable	-----	Not available	Not available	Not applicable	Not applicable	Not applicable	Not applicable
14.	Stoddards Solvent	Not applicable	-----	Not available	Not available	Not applicable	Not applicable	Not applicable	Not applicable
15.	Molasses	Not applicable	Yes	Similar to Treacle	Not available	Not applicable	Not applicable	Not applicable	Not applicable
16.	Hydrogen Peroxide	Not applicable	Yes	Slight acid odour	Not available	Not applicable	Not applicable	Not applicable	Not applicable
17.	Natural Gas	Not available	yes	Pungent odour	Not available	Not applicable	Not applicable	Not applicable	Not applicable
18.	BFL 6000	Not applicable	-----	Not available	Not available	Not applicable	Not applicable	Not applicable	Not applicable
19	Fertiliser	Not applicable	-----	Not applicable	Not available	Not applicable	Not applicable	Not applicable	Not applicable
20.	Electricity	Not applicable	-----	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

⁵The European Commission priority candidate list

* These compounds are used in relatively small quantities on site