

Appendix 2 Substances Held on Site

SDS Number	Chemical	CAS	Chemical Name	H Phrases	Chemical Characteristics (GHS Signal Word)	Physical State	Quantity, kg held	Solubility Low, Medium	Toxicity Low, Medium	Mobility - Low, Medium	Persistence	Soil & Groundwater Pollution Potential	RHS
1	TMCS	75-77-4	Trimethylsilyl chloride	H225, H301, H331, H312, H314	Toxic/highly flammable/ corrosive (Danger)	Liquid	600	Low	High	Low	High	High due to toxicity and persistence	Yes
2	IPA	67-63-0	Isopropyl alcohol	H225, H319 & H336	Highly Flammable (Danger)	Liquid	600	High	Low	Low	Low	Medium due to solubility	Yes
3	Tris grades (several)	17096-07-0	Tris(trimethylsilyloxy)silyl propyl me	H315, H319, H335	(no signal word)	Liquid	400	Low	High	Low	High	High due to toxicity and persistence	Yes
4	stynyl Tris	18547-54-1	Tris(trimethylsilyloxy)silylstyrene	H315, H319, H335	Irritant (Warning)	Liquid	50	Low	Low	Low	High	Low overall	No
5	HMDSO	107-46-0	Hexamethyldisiloxane	H225, H400, H410	Highly Flammable (Danger)	Liquid	1000	Low	High	Low	High	Medium due to persistence and toxicity to aquatic life.	Yes
6	Sulphuric acid	7664-93-9	Sulphuric acid	H290, H318 & H314	Corrosive (Danger)	Liquid	40	High	High	High	High	High all factors	Yes
7	Absolute ethanol	64-17-5	Ethanol / IMS	H225, H302, H332, H371 & H319	Highly Flammable (Danger)	Liquid	200	Low	Low	Low	Low	Low due to persistence	Yes
8	ATMS	2754-27-0	Trimethylsilyl acetate	H225	Highly Flammable (Danger)	Liquid	380	High	Low	Medium	Low	Low due to persistence	Yes
10	Acetone	67-64-1	Acetone	H225, H319 & H336	Flammable (Danger)	Liquid	600	High	Low	Low	Low	Low due to persistence	Yes
11	Caustic solution 32%	1310-73-2	Sodium hydroxide solution	H290, H314 & H318	Corrosive (Danger)	Liquid	1000	High	High	High	Low	High for all factors	Yes
12	HFPMA	3063-94-3	1,1,1,3,3,3 - Hexafluoroisopropyl	H319, H315, H225, H335	Flammable (Danger)	Liquid	400	Low	High	Low	Low	Medium due to toxicity, though toxicity value is read from TFE	Yes
13	HFIP Alcohol	920-66-1	1,1,1,3,3,3-Hexafluoro-2-propanol	H302, H332, H314 & H361	Corrosive (Danger)	Liquid	400	Low	Low	Low	Low	Low due to environmental protection measures and low persis	Yes
14	MAAH	760-93-0	Methacrylic anhydride	H302, H332, H315, H317, H318 & H335	Corrosive (Danger)	Liquid	400	Low	High	Low	Low	Medium because of toxicity	Yes
15	THF	109-99-9	Tetrahydrofuran	H225, H302, H311, H335 & H351	Highly Flammable/ harmful (Danger)	Liquid	480	High	Low	Medium	Low	Medium because of solubility	Yes
16	4-chlorostyrene	1073-67-2	4-Chlorostyrene	H302, H315, H410 & EUH208	Harmful/ environmental pollutant (Danger)	Liquid	40	Low	High	Low	Low	Low due to persistence	Yes
17	TEOS	78-10-4	Tetraethoxysilicate	H226, H319, H332 & H335	Flammable (Warning)	Liquid	200	Low	High	Low	Low	Low due to persistence	Yes
18	slyTEOS	18001-13-3	triethoxysilylstyrene	H302	Harmful (Warning)	Liquid	100	Medium	Low	Low	Low	Low due to toxicity	Yes
19	VBC	1592-20-7	4 vinylbenzyl choride	H302, H311+H331, H315, H319, H317, H410	Corrosive/ toxic (Danger)	Liquid	5	Low	High	Low	Low	Low due to persistence	Yes
20	Toluene	108-88-3	Toluene	H225, H304, H336, H315, H361d, H373 & H412	Flammable/ harmful (Danger)	Liquid	180	Low	High	Low	Low	Low due to persistence	Yes
21	VBMA	99413-45-3	4-vinylbenzyl methacrylate	H315, H319, H335	Harmful (Warning)	Liquid	20	Low	High	Low	Low	Low due to scale	No
22	Petroleum ether	931-25-9	Petroleum ether	H225, H302, H304, H315, H336 & H411	Highly Flammable/ harmful (Danger)	Liquid	300	Low	High	Low	Low	Low due to persistence	Yes
23	Diethyl ether	60-29-7	Diethyl ether	H224, H302, H336, EUH019 & EUH066	Extremely Flammable/ harmful (Danger)	Liquid	150	High	Low	Low	High	Medium due to higher solubility and lack of biodegradability	Yes
24	DBU	6674-22-2	1,8-Diazabicyclo(5.4.0)undec-7-	H290, H301, H314 & H412	Corrosive/ toxic (Danger)	Liquid	10	Medium	High	Medium	Medium	Medium due to toxicity and persistence pH would be increase	Yes
26	MAA	79-41-4	Methacrylic acid	H302, H332, H311, H314, H318 & H335	Corrosive (Danger)	Liquid	200	High	High	High	Low	Medium due to toxicity / pH would be decreased.	Yes
27	Heptane	142-82-5	N-heptane	H225, H304, H315, H336 & H410	Highly Flammable (Danger)	Liquid	150	Low	High	High	Low	Medium due to low persistence, Ciria C736 Appendix 2 name	Yes
28	Ethyl bromide	74-96-4	Bromoethane	H225, H302, H332, H351 & H420	Highly flammable/toxic/health hazard/dmanging to ozone layer	Liquid	40	Low	High	Low	Low	Low due to low persistence	Yes
29	N-hexane	110-54-3	N-hexane	H225, H304, H315, H336, H361f, H373, H411	Flammable, Toxic to aquatic environment (Danger)	Liquid	150	Low	High	Low	High	High due to toxicity and persistence	Yes
30	DCM	75-09-2	Dichloromethane / Methyl Chlori	H315, H319, H351 & H336	Toxic (Warning)	Liquid	25	Low	High	Low	Low	Low due to low persistence, Ciria C736 Appendix 2 named sul	Yes
32	TEA	121-44-8	Triethylamine	H225, H302, H311, H331, H314, H335	Flammable, Corrosive, Toxic (Danger)	Liquid	50	Medium	High	Medium	Medium	Medium due to mobility, toxicity and persistence	Yes
34	AAC	814-68-6	Acryloyl chloride	H225, H290, H302, H312, H314, H318, H330 & H400	Flammable, Corrosive, Toxic, Environmental Hazard (Danger)	Liquid	50	Low	Low	Medium	Medium	Medium	Yes
35	MTBE	1634-04-4	Tert-butyl ether methyl ether	H225 & H315	Flammable, Harmful (Danger)	Liquid	200	Medium	High	Medium	medium	Medium on aggregate	Yes
38	DMEAA (amide 2)	49707-23-5	N,(2,2-dimethoxyethyl)acrylamid	H301	Harmful (Warning)	Liquid	200	Medium	Low	Low	Low	Low	Yes
39	AAH	2051-96-5	Acrylic anhydride	H302, H315, H317, H319, H335	Harmful (Warning)	Liquid	50	Low	High	Low	Low	Medium due to aquatic toxicity	Yes
41	Acrylic acid	79-10-7	Acrylic acid	H226, H302, H312, H314, H332, H335, H400	Flammable, Corrosive, Environmental azard (Danger)	Liquid	50	Medium	High	Medium	Low	Medium due to aquatic toxicity	Yes
43	Phenoxyethanol	122-99-6	Phenoxyethyl alcohol	H302	Harmful (Warning)	Liquid	200	Low	High	Low	Low	Medium	Yes
44	Phenylethanol	60-12-8	Phenylethyl alcohol	H302, H319	Harmful (Warning)	Liquid	200	Low	High	Low	Low	Medium	Yes
45	Phenylethyl acrylate	3530-36-7	2-phenylethyl acrylate	H315, H319, H335	(Warning)	Liquid	20	Low	High	Low	Low	Low	No
46	POEA, SR339	48145-04-6	phenoxyethyl acrylate	H317, H361d, H411	Harmful (Warning)	Liquid	200	Low	High	Low	Low	Medium	Yes
47	HFC1234yf	754-12-1	2,3,3,3-tetrafluoroprop-1-ene	H221, H280	Flammable Gas (Danger)	Gas	5	Low	Low	Low	Low	Low	No
48	HFC-125	354-33-6	pentafluoroethane	H280	Gas under pressure (Warning)	Gas	5	Low	Low	Low	High	Low	No
49	HFC-134a	811-97-2	1,1,1,2-tetrafluoroethane	H280	Gas under pressure (Warning)	Gas	5	Low	Low	Low	High	Low	No
50	HFC-32	75-10-5	difluoromethane	H231, H280	Flammable Gas (Danger)	Gas	5	Low	Low	Low	High	Low	No
51	PDV salt	7647-14-5	sodium chloride	none	None	solid	200	Low	Low	Low	Low	Low	No
59	MEMO	2530-85-0	3-methacryloxypropyltrimethoxys	None	None	Liquid	800	Low	Low	Low	Low	Low	No
60	Basic Alumina	1344-28-1	Aluminium oxide	None	None	solid	30	Low	Low	Low	Low	Low	No
61	Dry Ice	124-38-9	Solid carbon dioxide	No H phrase	None	Solid	20	Low	Low	Low	Low	Low	No
63	Activated carbon	7440-44-0	Carbon	None	None	Solid	25	Low	Low	Low	Low	Low on all counts	No
64	Water containing sodium hydroxide wash	1310-73-2	Aqueous sodium hydroxide	H290, H314, H315, H319	Corrosive, Irritant (Danger)	Liquid	16000	High	Medium	Low	Low	High due to volume	Yes
65	Hydrogen gas	1333-74-0	Hydrogen (used in QC)	None	Flammable	Gas	2	Low	Low	Low	Low	Low	No
66	Diesel fuel	68476-34-6	Diesel fuel	H351	Harmful (Warning)	Liquid	50	Medium	Medium	Medium	Low	Medium	Yes
67	MEG	107-21-1	Monoethylene glycol	H302	Toxic (Warning)	Liquid	1500	High	Low	Low	Low	Low due to toxicity and persistence	Yes
68	Methanol	67-56-1	Methanol	H225, H331, H311, H301, H370	Toxic/flammable (Danger)	Liquid	100	High	Low	High	Low	Medium	Yes
69	AFFF 3% fire foam	112-34-5	diethylene glycol butyl ether	H229, H302, H315, H318, H319, H335, H336, H370, H37	Harmful (Danger)	Liquid	50	High	High	High	Low	High	No
70	HMDZ	999-97-3	Hexamethyldisilazane	H225-H302-H311-H332-H412	Highly Flammable (Danger)	Liquid	160	Medium	Medium	Medium	High	Medium	Yes
71	ETES	78-07-9	Ethyl triethoxy silane	H226	Flammable	Liquid	1.2	Low	High	Low	Low	Low due to toxicity and volums	No
72	TEA.HCL	554-68-7	triethylamine hydrochloride	H315-H319-H335	Irritant (Warning)	solid	80	High	High	Low	Low	Medium due to small volume	Yes
73	Acetic acid	64-19-7	Acetic acid	H226, H314	Flammable, Corrosive (Danger)	Liquid	50	High	Low	Low	Low	Low	No
74	IPA/HCL/Water	mixture	IPA/HCL/Water	H290, H225	Corrosive Flammable	Liquid	2000	Low	High	High	Low	Medium	Yes

75	HCL (gas)	7647-01-0	hydrogen chloride	H331-H314	Toxic, corrosive (Danger)	Gas	33.2	High	High	Low	Low	Medium due to potential toxicity	Yes
76	ammonia (gas)	7664-41-7	anhydrous ammonia	H221-H280-H314-H331-H410	Flammable Gas, Toxic (Danger)	Gas	13.7	High	High	Low	Low	Low due to tiny volume	No
77	Sulphuric-ethanol-spent catalyst	mixture	Sulphuric ethanol mixture	H225-H290-H319-H314	Flammable, Corrosive (Danger)	Liquid	30	High	High	Low	Low	Low due to low volume	No
78	Ammonium sulphate	7783-20-2	ammonium sulphate	No H phrases	No Signal word	solid	50	High	High	Low	Low	Low due to volumes	No
79	sodium methacrylate	5536-61-6	sodium methacrylate	H302-H311-H314-H318-H332	Corrosive, toxic (Danger)	solid	300	Low	High	Low	Low	Low	No
80	magnesium hydroxy chloride	7786-30-3	Basic magnesium chloride	No H phrases	No Signal word	solid	30	Low	Low	Low	Low	Low due to all factors	No
81	Magnesium metal raspings	7439-95-4	Magnesium metal	H250 & H260	Flammable (Danger)	Solid	50	Low	High	Low	High	Low due to extremely small chance of release.	Yes