

**APPENDIX F**

**HAZARD CATEGORIZATION**

Table F-1

**HAZARD CATEGORIZATION DATA SUMMARY SHEET**  
**COLUMBIA AMERICAN PLATING**  
**PORTLAND, OREGON**

Container Number	Sample Description	Water Test (+/-, none, slight, delayed, caustic)	Water Solubility/ Reactivity	pH	Oxidizer (+/-)	Sulfide (+/-)	Cyanide (+/-)	Flammability Range <sup>a</sup>	Beilstein Test (color)	Char Test (char/flam. vapors)	Hazard Category
0001	Clear	+	Soluble	1	-	-	-	NF	Yellow	None	Acid
0002	Clear	+	Soluble	4	-	-	-	NF	Green	None	Acid
0003	Clear	+	Soluble	10	-	-	-	NF	Yellow	None	Base
0004	Clear, yellow	+	Soluble	12	+	-	-	NF	Yellow	None	Base Oxidizer
0005	Clear, amber	+	Soluble	11	+	-	-	NF	Yellow	None	Base Oxidizer
0006	Clear, amber	+	Soluble	11	+	-	-	NF	Yellow	None	Base Oxidizer
0007	Clear, green	+	ND	0	+	-	-	NF	Blue-green	ND	Acid Oxidizer
0008	Turbid, brown w/ solids	+	ND	13	-	-	-	NF	None	ND	Base
0009	Brown/green w/ solids	+	ND	1	-	-	-	NF	Green	ND	Acid
0010	Clear w/ salt crystals on jar	+	N D	6	-	-	-	NF	Orange	ND	Neutral
0011	Clear	+	ND	1	-	-	-	NF	Green	ND	Acid
0012	Clear, red/brown	+	ND	11	-	-	-	NF	Orange	ND	Base
0013	Turbid, brown	+, slight	Soluble	10	-	-	-	NF	Orange	ND	Base
0014	Turbid, brown	+	Soluble	11	-, reacts w/ acid	-	-	NF	Orange	None	Base Oxidizer
0015	Clear, mint green	+	Soluble	5	-	-	-	NF	None	ND	Acid
0016	Turbid, brown	+	Soluble	11	-, reacts w/ acid	-	-	NF	Orange	None	Base Oxidizer
0017	Turbid, brown	+	Soluble	11	-, reacts w/ acid	-	-	NF	Orange	None	Base Oxidizer
0018	Turbid, brown	+	Soluble	11	-, reacts w/ acid	-	-	NF	Orange	Black char	Base Oxidizer
0019	Turbid, brown	+	Soluble	11	-, reacts w/ acid	-	-	NF	Orange	Black char	Base Oxidizer
0020	Clear, green	+	Soluble	5	-	-	-	NF	Yellow	None	Acid
0021	Clear, green	+	Soluble	5	-	-	-	NF	Yellow	ND	Acid
0022	Dark	Slight	Soluble	7	-	-	-	NF	Yellow	Tar	Neutral
0023	Clear, green	+	Soluble	0	-	-	-	NF	Green	ND	Acid
0024	Clear, green	+	Soluble	3	-	-	-	NF	Yellow	None	Acid
0025	Clear, light brown	+	Soluble	5	-	-	-	NF	None	None	Acid
0026	Clear, green	+	Soluble	6	-	-	-	NF	Yellow	ND	Neutral
0027	Not Hazcatted (empty container)										
0028	Clear, light green	+	Soluble	0	-	-	-	NF	Orange	White	Acid
0029	Clear, light mint green	+	Soluble	5	-	-	-	NF	Orange	None	Acid

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COLUMBIA AMERICAN PLATING  
PORTLAND, OREGON**

Container Number	Sample Description	Water Test (+/-, none, slight, delayed, caustic)	Water Solubility/ Reactivity	pH	Oxidizer (+/-)	Sulfide (+/-)	Cyanide (+/-)	Flammability Range <sup>a</sup>	Beilstein Test (color)	Char Test (char/flam. vapors)	Hazard Category
0030	Clear, mint green	+	Soluble	5	-	-	-	NF	Orange	None	Acid
0031	Not Hazcatted (could not open; speed wrench in storage container)										
0032	Dark, water-like	-	Soluble	8	-	-	-	NF	Yellow	ND	Neutral
0033	ND	+	Soluble	8	-	-	-	NF	Yellow	ND	Neutral
0034	ND	+	Soluble	8	-	-	-	NF	Yellow	ND	Neutral
0035	ND	+	Soluble	6	-	-	-	NF	Yellow	ND	Neutral
0036	ND	+	Soluble	8	-	-	-	NF	Yellow	ND	Neutral
0037	ND	+	Soluble	8	-	-	-	NF	Yellow	ND	Neutral
0038	Dark	Slight	Soluble	7	-	-	-	NF	Yellow	ND	Neutral
0039	Dark	Slight	Soluble	8	-	-	-	NF	Yellow	ND	Neutral
0040	ND	+, corrosive	Soluble	0	-	-	ND	NF	ND	ND	Acid
0041	Clear	+, corrosive	Soluble	0	-	-	-	NF	Green	ND	Acid
0042	Clear	+, corrosive	Soluble	0	-	-	-	NF	Green	ND	Acid
0043	Dark	Slight	Soluble	8	-	-	-	NF	Yellow	ND	Neutral
0044	Opaque, white	+	Soluble	0	-	-	-	NF	Green	None	Acid
0045	Clear	+	Soluble	10	-	-	-	NF	Yellow	None	Base
0046	Opaque, cloudy	+	Soluble	10	-	-	-	NF	Yellow	None	Base
0047	Clear, green	+	Soluble	0	-	-	-	NF	Yellow	White	Acid
0048	Clear, mildly turbid, olive green	+	Soluble	10	-	-	-	NF	Orange	White	Base
0049	Clear, mint green	+	Soluble	4	-	-	-	NF	Orange	White	Acid
0050	Clear, light blue	+	Soluble	1	-	-	-	NF	Orange	None	Acid
0051	Turbid, green	+	Soluble	5	-	-	-	NF	Orange	None	Acid
0052	Clear, mint green	+	Soluble	0	-	-	-	NF	Green-orange	None	Acid
0053	Clear	+	Soluble	5	-	-	ND	NF	Orange	White	Acid
0054	Clear, light blue	+	ND	11	+	-	-	NF	Orange	Gray	Base Oxidizer
0055	Milky white	+	ND	4	-	-	-	NF	Orange	White	Acid
0056	Clear, light yellow	Slight	Soluble	14	+	-	-	NF	None	None	Base Oxidizer
0057	Turbid, orange w/ "oil" droplets	-	ND	14	-	-	-	NF	Orange	White	Base
0058	Brown	+	Soluble	1	-	-	-	NF	Yellow	None	Acid
0059	Opaque, yellow	+	Soluble	0	-	-	-	NF	Yellow	None	Acid
0060	Clear, blue	+	Soluble	1	+	-	ND	NF	Yellow	None	Acid Oxidizer
0061	Clear, blue	+	Soluble	10	-	-	+	NF	Yellow	None	Base Cyanide
0062	Opaque, yellow	+	Soluble	13	-	-	-	NF	Yellow	None	Base
0063	Opaque, orange	+	Soluble	1	-	-	-	NF	Yellow	None	Acid
0064	Clear, light blue	+	ND	0	-	-	-	NF	Orange	None	Acid
0065	Turbid, brown	-	ND	14	-	-	-	NF	Orange	None	Base

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Container Number	Sample Description	Water Test (+/-, none, slight, delayed, caustic)	Water Solubility/ Reactivity	pH	Oxidizer (+/-)	Sulfide (+/-)	Cyanide (+/-)	Flammability Range <sup>a</sup>	Beilstein Test (color)	Char Test (char/flam. vapors)	Hazard Category
0066	Clear	+	ND	5	-	-	-	NF	Orange	None	Acid
0067	Opaque, yellow	-	Soluble	13	-	-	-	NF	Yellow	None	Base
0068	Opaque, orange	+	Soluble	6	-	-	-	NF	None	None	Neutral
0069	Clear, blue	+	Soluble	12	-	-	-	NF	None	None	Base
0070	Clear, green	+	Soluble	6	-	-	-	NF	None	Char	Neutral
0071	Clear, green	+	Soluble	1	-	-	-	NF	Slight green	Char	Acid
0072	Clear, blue	+	Soluble	1	+	-	-	NF	Slight green	None	Acid Oxidizer
0073	Clear, light green	+	Soluble	4	-	-	-	NF	None	None	Acid
0074	Clear, thick yellow	+	Soluble	0	+	-	-	NF	Green	None	Acid Oxidizer
0075	Clear, light mint green	+	Soluble	4	-	-	-	NF	None	None	Acid
0076	Milky brown	+	Soluble	10	+	-	-	NF	None	None	Base Oxidizer
0077	Turbid, brown	+	Soluble	1	-	-	-	NF	None	White	Acid
0078	Clear	+	Slight, delayed	5	-	-	-	NF	None	White	Acid
0079	Orange	+	Soluble	0	-	-	-	NF	None	None	Acid
0080	Clear	+	Soluble	5	-	-	-	NF	None	Char	Acid
0081	Clear, green	+	Soluble	4	-	-	-	NF	None	Char	Acid
0082	Clear	+	Soluble	4	-	-	-	NF	None	Char	Acid
0083	Clear, green	+	Soluble	4	-	-	-	NF	None	Char	Acid
0084	Black	+	Soluble	5	-	-	-	NF	None	None	Acid
0085	Clear, mint green	+	Soluble	3	-	-	-	NF	None	None	Acid
0086	Not Hazcatted (empty container)										
0087	Not Hazcatted (solid material)										
0088	Clear	-, slight	Slight, delayed	14	+	-	-	NF	Orange	White	Base Oxidizer
0089	Clear	-, slight	Slight, delayed	14	+	-	-	NF	Orange	White	Base Oxidizer
0090	Clear	+	Soluble	0	-	-	-	NF	None	None	Acid
0091	Clear	+	Soluble	5	-	-	-	NF	Orange	None	Acid
0092	Clear, yellow	+	Soluble	6	-	-	-	NF	None	None	Neutral
0093	Clear	+	Soluble	6	-	-	-	NF	None	None	Neutral
0094	Clear, green	+	Soluble	5	-	-	-	NF	None	None	Acid
0095	Clear, orange	+	Soluble	6	-	-	-	NF	None	Char	Neutral
0096	Clear	+	Soluble	6	-	-	-	NF	None	Char	Neutral
0097	Clear	+	Soluble	4	-	-	-	NF	None	None	Acid
0098	Orange	+	Soluble	1	+	-	-	NF	None	None	Acid Oxidizer
0099	Turbid, rust color	+	Soluble	5	-	-	-	NF	Orange	None	Acid
0100	Clear, light brown	+	Soluble	4	-	-	-	NF	Orange	None	Acid
0101 Top	Clear	-	Insoluble, floats	5	-	-	-	Flammable	Yellow	None	Flammable Acid
0101 Bottom	Clear w/ rust chunks	+	Soluble	7	-	-	-	NF	None	None	Neutral

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Container Number	Sample Description	Water Test (+/-, none, slight, delayed, caustic)	Water Solubility/ Reactivity	pH	Oxidizer (+/-)	Sulfide (+/-)	Cyanide (+/-)	Flammability Range <sup>a</sup>	Beilstein Test (color)	Char Test (char/flam. vapors)	Hazard Category
0102	Clear	+	Soluble	5	-	-	-	NF	None	None	Acid
0103	Clear	+	Soluble	5	-	-	-	NF	None	None	Acid
0104	Clear	+	Soluble	4	-	-	-	NF	None	None	Acid
0105	Clear	+	Soluble	10	-	-	-	NF	None	None	Base
0106	Clear	-	Soluble	14	+	-	-	NF	None	None	Base Oxidizer
0107	Clear	-	Soluble	14	+	-	-	NF	None	None	Base Oxidizer
0108	Green	+	Soluble	6	-	-	-	NF	Slight green	None	Neutral
0109	Green	+	Soluble	5	-	-	-	NF	None	None	Acid
0110	Green	+	Soluble	5	-	-	-	NF	None	None	Acid
0111	Clear, green	+	Soluble	4	-	-	-	NF	None	None	Acid
0112	Clear, green	+	Soluble	4	-	-	-	NF	None	None	Acid
0113	Clear, green	+	Soluble	4	-	-	-	NF	None	None	Acid
0114	Clear, light green	+	Soluble	4	-	-	-	NF	None	None	Acid
0115	Clear, mint green	+	Soluble	4	-	-	-	NF	None	None	Acid
0116	Clear, green	+	Soluble	5	-	-	-	NF	None	None	Acid
0117	Clear, green	+	Soluble	5	-	-	-	NF	None	None	Acid
0118	Brown	+	Soluble	ND	+	-	-	NF	None	None	Unknown Oxidizer
0119	Clear, green	+	Soluble	5	-	-	-	NF	None	None	Acid
0120	Clear, green	+	Soluble	5	-	-	-	NF	None	None	Acid
0121	Clear, green	+	Soluble	5	-	-	-	NF	None	None	Acid
0122	Clear, mint green	+	Soluble	4	-	-	-	NF	None	None	Acid
0123	Clear, green	+	Soluble	5	-	-	-	NF	None	White	Acid
0124	Turbid, milky, cream color	+	Soluble	0	-	-	-	NF	None	None	Acid
0125	Clear, mint green	+	Soluble	7	-	-	-	NF	None	None	Neutral
0126	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0127	Clear, mint green	+	Soluble	4	-	-	-	NF	None	None	Acid
0128	Clear, mint green	+	Soluble	4	-	-	-	NF	None	None	Acid
0129	Clear, green	-	Soluble	6	-	-	-	NF	None	None	Neutral
0130	Clear, mint green	+	Soluble	7	-	-	-	NF	None	None	Neutral
0131	Clear, mint green	+	Soluble	7	-	-	-	NF	None	None	Neutral
0132	Clear, mint green	-	Soluble	4	-	-	-	NF	None	None	Neutral
0133	Clear, green	+	Soluble	5	-	-	-	NF	None	None	Acid
0134	Clear, green	+	Soluble	5	-	-	-	NF	None	None	Acid
0135	Clear, green	+	Soluble	5	-	-	-	NF	None	None	Acid
0136	Clear, green	+	Soluble	5	-	-	-	NF	None	None	Acid
0137	Clear, green	+	Soluble	5	-	-	-	NF	None	None	Acid
0138	Clear, green	+	Soluble	5	-	-	-	NF	None	None	Acid

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Container Number	Sample Description	Water Test (+/-, none, slight, delayed, caustic)	Water Solubility/ Reactivity	pH	Oxidizer (+/-)	Sulfide (+/-)	Cyanide (+/-)	Flammability Range <sup>a</sup>	Beilstein Test (color)	Char Test (char/flam. vapors)	Hazard Category
0139	Clear, mint green	+	Soluble	4	-	-	-	NF	None	None	Acid
0140	Clear, mint green	+	Soluble	4	-	-	-	NF	None	None	Acid
0141	Clear, mint green	+	Soluble	4	-	-	-	NF	None	None	Acid
0142	Turbid, milky white	+	Soluble	0	-	-	-	NF	None	Gray	Acid
0143	Brown	+, slight	Soluble	10	-	-	-	NF	None	Black char	Base
0144	Clear, mint green	+	Soluble	5	+	-	-	NF	None	None	Acid Oxidizer
0145	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0146	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0147	Clear, green	+	Soluble	5	-	-	-	NF	None	None	Acid
0148	Opaque, white	+	Soluble	6	-	-	-	NF	None	None	Neutral
0149	Brown	+	Soluble	3	+	-	-	NF	None	None	Acid Oxidizer
0150	Clear, green	+	Soluble	5	-	-	-	NF	None	None	Acid
0151	Clear, green	+	Soluble	5	-	-	-	NF	None	None	Acid
0152	Clear, blue	+	Soluble	0	+	-	-	NF	None	None	Acid Oxidizer
0153	Clear, green	+	Soluble	5	-	-	-	NF	None	None	Acid
0154	Clear, green	+	Soluble	5	-	-	-	NF	None	None	Acid
0155	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0156	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0157	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0158	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0159	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0160	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0161	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0162	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0163	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0164	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0165	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0166	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0167	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0168	Clear, light mint green	+	Soluble	6	-	-	-	NF	None	None	Neutral
0169	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0170	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0171	Clear, green	+	Soluble	5	-	-	-	NF	None	None	Acid
0172	Clear, green	+	Soluble	5	-	-	-	NF	None	None	Acid
0173	Clear, green	+	Soluble	5	-	-	-	NF	None	None	Acid
0174	Clear, green	+	Soluble	5	-	-	-	NF	None	None	Acid
0175	Clear, green	+	Soluble	5	-	-	-	NF	None	None	Acid

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Container Number	Sample Description	Water Test (+/-, none, slight, delayed, caustic)	Water Solubility/ Reactivity	pH	Oxidizer (+/-)	Sulfide (+/-)	Cyanide (+/-)	Flammability Range <sup>a</sup>	Beilstein Test (color)	Char Test (char/flam. vapors)	Hazard Category
0176	Clear, green	+	Soluble	5	-	-	-	NF	None	None	Acid
0177	Clear, green	+	Soluble	5	-	-	-	NF	None	None	Acid
0178	Clear, green	+	Soluble	4	-	-	-	NF	None	None	Acid
0179	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0180	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0181	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0182	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0183	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0184	Clear, mint green	+	Soluble	6	-	-	-	NF	None	None	Neutral
0185	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0186	Clear, blue	+	Soluble	0	+	-	-	NF	None	None	Acid Oxidizer
0187	Clear, light blue	+	Soluble	0	+	-	-	NF	None	None	Acid Oxidizer
0188	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0189	Clear, light orange	+	Soluble	5	-	-	-	NF	None	None	Acid
0190	Clear, light blue	+	Soluble	0	+	-	-	NF	None	None	Acid Oxidizer
0191	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0192	Clear	+	Soluble	7	-	-	-	NF	None	None	Neutral
0193	Clear, light blue	+	Soluble	0	+	-	-	NF	None	None	Acid Oxidizer
0194	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0195	Clear, green	+	Soluble	5	-	-	-	NF	None	None	Acid
0196	Clear, green	+	Soluble	5	-	-	-	NF	None	None	Acid
0197	Clear, green	+	Soluble	5	-	-	-	NF	None	None	Acid
0198	Clear, green	+	Soluble	5	-	-	-	NF	None	None	Acid
0199	Clear, green	+	Soluble	7	-	-	-	NF	None	None	Neutral
0200	Clear, green	+	Soluble	7	-	-	-	NF	None	None	Neutral
0201	Clear, green	+	Soluble	5	-	-	-	NF	None	None	Acid
0202	Clear, green	+	Soluble	5	-	-	-	NF	None	None	Acid
0203	Clear	+	Soluble	7	-	-	-	NF	None	None	Neutral
0204	Clear, orange	+	Soluble	2	+	-	-	NF	None	None	Acid Oxidizer
0205	Clear, green	+	Soluble	5	-	-	-	NF	None	None	Acid
0206	Clear, orange	+	Soluble	13	-	-	+	NF	None	None	Base Cyanide
0207	Clear, yellow	+	Soluble	1	+	-	-	NF	None	None	Acid Oxidizer
0208	Clear, orange	+	Soluble	5	-	-	-	NF	None	None	Acid
0209	Black	+	Soluble	10	-	-	-	NF	None	None	Base
0210	Clear	+	Soluble	4	-	-	-	NF	None	Inorganic	Acid
0211	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0212	Oily, thick brown	-, slight	Slightly soluble	ND	-	-	-	NF	Orange	None	Unknown
0213	Clear, mint green	+	Soluble	4	-	-	-	NF	None	None	Acid

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Container Number	Sample Description	Water Test (+/-, none, slight, delayed, caustic)	Water Solubility/ Reactivity	pH	Oxidizer (+/-)	Sulfide (+/-)	Cyanide (+/-)	Flammability Range <sup>a</sup>	Beilstein Test (color)	Char Test (char/flam. vapors)	Hazard Category
0214	Clear, green	+	Soluble	1	-	-	-	NF	None	None	Acid
0215	Clear, green	+	Soluble	6	-	-	-	NF	None	None	Neutral
0216	Clear, green	+	Soluble	5	-	-	-	NF	None	None	Acid
0217	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0218	Clear, green w/ black solids	+	Soluble	7	-	-	-	NF	None	None	Neutral
0219	Clear, green	+	Soluble	5	-	-	-	NF	None	None	Acid
0220	Clear, green	+	Soluble	5	-	-	-	NF	None	None	Acid
0221	Clear, green	+	Soluble	5	-	-	-	NF	None	None	Acid
0222	Clear	+	Soluble	4	-	-	-	NF	None	None	Acid
0223	Opaque	+	Soluble	0	-	-	-	NF	None	None	Acid
0224	Clear, green	+	Soluble	5	-	-	-	NF	None	None	Acid
0225	Brown	+	Soluble	0	-	-	-	NF	None	None	Acid
0226	Clear, green	+	Soluble	5	-	-	-	NF	None	None	Acid
0227	Milky, brown/white	+	Soluble	0	-	-	-	NF	None	None	Acid
0228	Clear, green	+	Soluble	5	-	-	-	NF	None	None	Acid
0229	Clear, mint green	+	Soluble	6	-	-	-	NF	None	None	Neutral
0230	Clear, orange	+	Soluble	4	+	-	-	NF	None	None	Acid Oxidizer
0231	Clear, mint green	+	Soluble	6	-	-	-	NF	None	None	Neutral
0232	Thick, syrup-like, orange/brown	-	Soluble	ND	-	-	-	NF	Orange	Gray	Unknown
0233	Clear, mint green	+	Soluble	7	-	-	-	NF	None	None	Neutral
0234	Clear, mint green	+	Soluble	6	-	-	-	NF	None	None	Neutral
0235	Thick, syrup-like, orange/brown	-	Soluble	ND	+	-	-	NF	Orange	Gray	Unknown Oxidizer
0236	Thick, syrup-like, orange/brown	-	Soluble	ND	+	-	-	NF	Orange	Gray	Unknown Oxidizer
0237	Dark orange	+	Soluble	ND	-	-	-	NF	None	None	Unknown
0238	Clear, green	+	Soluble	4	-	-	-	NF	None	None	Acid
0239	Clear, blue	+	Soluble	0	+	-	-	NF	None	None	Acid Oxidizer
0240	Clear, green	+	Soluble	2	+	-	-	NF	None	None	Acid Oxidizer
0241	Clear, green	+	Soluble	4	-	-	-	NF	None	None	Acid
0242	Clear, blue	+	Soluble	0	+	-	-	NF	None	None	Acid Oxidizer
0243	Clear, green	+	Soluble	4	-	-	-	NF	None	None	Acid
0244	Black	+	Soluble	0	+	-	-	NF	None	None	Acid Oxidizer
0245	Clear, green	+	Soluble	6	-	-	-	NF	None	None	Neutral
0246	Clear, mint green	+	Soluble	7	-	-	-	NF	None	None	Neutral
0247	Clear, light blue	+	Soluble	1	+	-	-	NF	None	None	Acid Oxidizer



Table F-1

**HAZARD CATEGORIZATION DATA SUMMARY SHEET  
COLUMBIA AMERICAN PLATING  
PORTLAND, OREGON**

Container Number	Sample Description	Water Test (+/-, none, slight, delayed, caustic)	Water Solubility/ Reactivity	pH	Oxidizer (+/-)	Sulfide (+/-)	Cyanide (+/-)	Flammability Range <sup>a</sup>	Beilstein Test (color)	Char Test (char/flam. vapors)	Hazard Category
0248	Clear	+	Soluble	0	-	-	-	NF	Orange	None	Acid
0249	Milky, white	+	Soluble	0	-	-	-	NF	Orange	None	Acid
0250	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0251	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0252	Turbid, olive green	+	Soluble	7	-	-	-	NF	Orange	Gray	Neutral
0253	Clear, green	+	Soluble	0	-	-	-	NF	None	None	Acid
0254	Clear, green	+	Soluble	0	-	-	-	NF	None	None	Acid
0255	Clear, green	+	Soluble	5	-	-	-	NF	None	None	Acid
0256	Clear, green	+	Soluble	9	-	-	-	NF	None	None	Base
0257	Sheet Missing										
0258	Dark, orange/brown	-	Soluble	ND	+	-	-	NF	None	None	Unknown Oxidizer
0259	Dark, orange/brown	-	Soluble	ND	+	-	-	NF	None	None	Unknown Oxidizer
0260	Clear, green	+	Soluble	5	-	-	-	NF	None	None	Acid
0261	Thick, cola color	+	Soluble	5	+	-	-	NF	Orange	None	Acid Oxidizer
0262	Thick, cola color	+	Soluble	5	+	-	-	NF	Orange	None	Acid Oxidizer
0263	Clear, orange	+	Soluble	3	+	-	-	NF	None	None	Acid Oxidizer
0264	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0265	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0266	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0267	Clear, mint green	+	Soluble	7	-	-	-	NF	None	None	Neutral
0268	Clear, light blue	+	Soluble	0	+	-	-	NF	None	White	Acid Oxidizer
0269	Opaque, peach	+	Soluble	0	-	-	-	NF	Green	ND	Acid
0270	Clear	+	Soluble	6	-	-	-	NF	None	None	Neutral
0271	Clear, green	+	Soluble	5	-	-	-	NF	None	None	Acid
0272	Yellow	+	Soluble	0	+	-	-	NF	Green	None	Acid Oxidizer
0273	Yellow	+	Soluble	0	+	-	-	NF	Green	None	Acid Oxidizer
0274	Yellow	+	Soluble	7	-	-	-	NF	None	None	Neutral
0275	Yellow	+	Soluble	4	-	-	-	NF	None	None	Acid
0276	Yellow	+	Soluble	4	-	-	-	NF	None	None	Acid
0277	Clear, light green	+	Soluble	5	-	-	-	NF	None	None	Acid
0278	Clear, dark blue	+	Soluble	0	+	-	-	NF	None	None	Acid Oxidizer
0279	Clear, dark blue	+	Soluble	0	+	-	-	NF	None	None	Acid Oxidizer
0280	Clear, light blue	+	Soluble	0	+	-	-	NF	None	None	Acid Oxidizer
0281	Clear, dark blue	+	Soluble	0	+	-	-	NF	None	None	Acid Oxidizer
0282	Clear, graphite color	+	Soluble	0	+	-	-	NF	None	None	Acid Oxidizer
0283	Clear, yellow	-	Soluble	14	-	-	+	NF	None	None	Base Cyanide
0284	Clear, orange	-	Soluble	12	-	-	+	NF	None	None	Base Cyanide
0285	Clear, light blue	+	Soluble	0	+	-	-	NF	None	None	Acid Oxidizer

Table F-1

**HAZARD CATEGORIZATION DATA SUMMARY SHEET**  
**COLUMBIA AMERICAN PLATING**  
**PORTLAND, OREGON**

Container Number	Sample Description	Water Test (+/-, none, slight, delayed, caustic)	Water Solubility/Reactivity	pH	Oxidizer (+/-)	Sulfide (+/-)	Cyanide (+/-)	Flammability Range <sup>a</sup>	Beilstein Test (color)	Char Test (char/flam. vapors)	Hazard Category
0286	Clear, light blue	+	Soluble	0	+	-	-	NF	None	None	Acid Oxidizer
0287	Clear, dark blue	+	Soluble	0	+	-	-	NF	None	None	Acid Oxidizer
0288	Clear, green	+, slight	Soluble	12	-, reacts w/ acid	-	+	NF	None	None	Base Cyanide Oxidizer
0289	Clear, yellow	+	Soluble	0	+	-	-	NF	None	None	Acid Oxidizer
0290	Turbid, milky orange	+	Soluble	7	+	-	-	NF	None	None	Neutral Oxidizer
0291	Turbid, blue-black	+	Soluble	3	-	-	-	NF	None	None	Acid
0292	Clear, yellow	+	Soluble	0	+	-	-	NF	None	None	Acid Oxidizer
0293	Clear, yellow	+	Soluble	0	+	-	-	NF	None	None	Acid Oxidizer
0294 (top)	Thick, brown	-	Insoluble, floats	ND	-	-	-	NF	Yellow	Black/brown	Unknown
0294 Bottom	Turbid, orange	+	Soluble	7	+	-	-	NF	None	None	Neutral Oxidizer
0295	Clear, yellow	+	Soluble	0	+	-	-	NF	None	None	Acid Oxidizer
0296	Clear, green	+	Soluble	3	-	-	-	NF	None	None	Acid
0297	Clear, green	+	Soluble	2	-	-	-	NF	None	None	Acid
0298	Clear, green	+	Soluble	0	-	-	-	NF	None	None	Acid
0299	Sheet Missing										
0300	Clear, green	+	Soluble	5	-	-	-	NF	None	None	Acid
0301	Clear	-	Soluble	9	-	-	-	NF	None	None	Base
0302	Clear, green	+	Soluble	5	-	-	-	NF	None	None	Acid
0303	Clear, green	+	Soluble	6	+	-	-	NF	None	None	Neutral Oxidizer
0304	Clear, green	+	Soluble	6	+	-	-	NF	None	None	Neutral Oxidizer
0305	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0306	Milky, orange	+	Soluble	8	-	-	-	NF	None	None	Neutral
0307	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0308	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0309	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0310	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0311	Clear, mint green	+	Soluble	5	-, reacts w/ acid	-	-	NF	None	None	Acid Oxidizer
0312	Clear, green	+	Soluble	5	-, reacts w/ acid	-	-	NF	None	None	Acid Oxidizer
0313	Clear, green	+	Soluble	5	-, reacts w/ acid	-	-	NF	None	None	Acid Oxidizer
0314	Clear, green	+	Soluble	5	-, reacts w/ acid	-	-	NF	None	None	Acid Oxidizer
0315	Clear, green	+	Soluble	5	-, reacts w/ acid	-	-	NF	None	None	Acid Oxidizer

Table F-1

**HAZARD CATEGORIZATION DATA SUMMARY SHEET  
COLUMBIA AMERICAN PLATING  
PORTLAND, OREGON**

Container Number	Sample Description	Water Test (+/-, none, slight, delayed, caustic)	Water Solubility/ Reactivity	pH	Oxidizer (+/-)	Sulfide (+/-)	Cyanide (+/-)	Flammability Range <sup>a</sup>	Beilstein Test (color)	Char Test (char/flam. vapors)	Hazard Category
0316	Clear, green	+	Soluble	5	-, reacts w/ acid	-	-	NF	None	None	Acid Oxidizer
0317	Clear, green	+	Soluble	5	-, reacts w/ acid	-	-	NF	None	None	Acid Oxidizer
0318	Clear, green	+	Soluble	5	-, reacts w/ acid	-	-	NF	None	None	Acid Oxidizer
0319	Clear, green	+	Soluble	5	+	-	-	NF	None	None	Acid Oxidizer
0320	Clear, mint green	+	Soluble	5	+	-	-	NF	None	None	Acid Oxidizer
0321	Clear, green	+	Soluble	7	-	-	-	NF	None	None	Neutral
0322	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0323	Clear, green	+	Soluble	6	+	-	-	NF	None	None	Neutral Oxidizer
0324	Cloudy, green	+	Soluble	6	+	-	-	NF	None	None	Neutral Oxidizer
0325	Cloudy, green	+	Soluble	6	+	-	-	NF	None	None	Neutral Oxidizer
0326	Cloudy, green	+	Soluble	6	+	-	-	NF	None	None	Neutral Oxidizer
0327	Thick, green	-	Soluble	7	-	-	-	NF	None	None	Neutral
0328	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0329	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0330	Clear, thick green	-	Soluble	7	-	-	-	NF	None	None	Neutral
0331	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0332	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0333	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0334	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0335	Clear, green	+	Soluble	4	-	-	-	NF	None	None	Acid
0336	Clear, dark green	+	Soluble	6	-	-	-	NF	None	None	Neutral
0337	Clear, dark green	+	Soluble	6	-	-	-	NF	None	None	Neutral
0338	Clear, green	+	Soluble	4	-	-	-	NF	None	None	Acid
0339	Clear, green	+	Soluble	5	-	-	-	NF	None	None	Acid
0340	Clear, green	+	Soluble	5	-	-	-	NF	None	None	Acid
0341	Clear, green	+	Soluble	5	-	-	-	NF	None	None	Acid
0342	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0343	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0344	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0345	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0346	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0347	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0348	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0349	Clear, green	+	Soluble	5	-	-	-	NF	None	None	Acid
0350	Clear, green	+	Soluble	5	-	-	-	NF	None	None	Acid

Table F-1

**HAZARD CATEGORIZATION DATA SUMMARY SHEET  
COLUMBIA AMERICAN PLATING  
PORTLAND, OREGON**

Container Number	Sample Description	Water Test (+/-, none, slight, delayed, caustic)	Water Solubility/ Reactivity	pH	Oxidizer (+/-)	Sulfide (+/-)	Cyanide (+/-)	Flammability Range <sup>a</sup>	Beilstein Test (color)	Char Test (char/flam. vapors)	Hazard Category
0351	Clear, green	+	Soluble	4	-	-	-	NF	None	None	Acid
0352	Clear, green	+	Soluble	4	-	-	-	NF	None	None	Acid
0353	Clear, green	+	Soluble	5	-	-	-	NF	None	None	Acid
0354	Clear, green	+	Soluble	5	-	-	-	NF	None	None	Acid
0355	Clear, green	+	Soluble	5	-	-	-	NF	None	None	Acid
0356	Clear, dark green	-	Soluble	7	-	-	-	NF	None	None	Neutral
0357	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0358	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0359	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0360	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0361	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0362	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0363	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0364	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0365	Clear, green	+	Soluble	5	-	-	-	NF	None	None	Acid
0366	Clear, green	+	Soluble	5	-	-	-	NF	None	None	Acid
0367	Clear, dark green	-	Soluble	5	-	-	-	NF	None	None	Acid
0368	Black	+	Soluble	ND	-	-	-	NF	None	None	Unknown
0369	Clear	+	Soluble	5	-	-	-	NF	None	None	Acid
0370	Clear, green	+	Soluble	5	-	-	-	NF	None	None	Acid
0371	Clear, green	+	Soluble	5	-	-	-	NF	None	None	Acid
0372	Clear, green	+	Soluble	5	-	-	-	NF	None	None	Acid
0373	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0374	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0375	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0376	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0377	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0378	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0379	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0380	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0381	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0382	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0383	Clear, yellow	-	Soluble	6	-	-	-	NF	None	None	Neutral
0384	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0385	Clear, green	+	Soluble	5	-	-	-	NF	None	None	Acid
0386	Clear, green	+	Soluble	5	-	-	-	NF	None	None	Acid
0387	Clear, green	+	Soluble	5	-	-	-	NF	None	None	Acid
0388	Clear, green	+	Soluble	2	-	-	-	NF	None	None	Acid

Table F-1

**HAZARD CATEGORIZATION DATA SUMMARY SHEET  
COLUMBIA AMERICAN PLATING  
PORTLAND, OREGON**

Container Number	Sample Description	Water Test (+/-, none, slight, delayed, caustic)	Water Solubility/ Reactivity	pH	Oxidizer (+/-)	Sulfide (+/-)	Cyanide (+/-)	Flammability Range <sup>a</sup>	Beilstein Test (color)	Char Test (char/flam. vapors)	Hazard Category
0389	Clear, orange	+	Soluble	11	-	-	+	NF	None	None	Base Cyanide
0390	Not Hazcatted (not sampled)										
0391	Clear, orange	-	Soluble	11	-	-	+	NF	None	None	Base Cyanide
0392	Clear, orange	-	Soluble	11	-	-	+	NF	None	None	Base Cyanide
0393	Clear, green	+	Soluble	5	-	-	-	NF	None	None	Acid
0394	Clear	+, weak	Soluble	10	-, reacts w/ acid	-	-	NF	None	None	Base Oxidizer
0395	Not Hazcatted (solid material)										
0396	Clear, yellow	+	Soluble	14	-, reacts w/ acid	-	+	NF	None	None	Base Cyanide Oxidizer
0397	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0398	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0399	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0400	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0401	Cloudy, green	+	Soluble	6	-	-	-	NF	None	None	Neutral
0402	Cloudy, brownish yellow	+	Soluble	13	+	-	+	NF	None	None	Base Cyanide Oxidizer
0403	Clear, pale green	+	Soluble	6	-	-	-	NF	None	None	Neutral
0404	Clear, mint green	+	Soluble	6	-	-	-	NF	None	None	Neutral
0405	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0406	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0407	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0408	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0409	Clear, mint green	+	Soluble	4	-	-	-	NF	None	None	Acid
0410	Clear, light green	+	Soluble	5	-	-	-	NF	None	None	Acid
0411	Cloudy, white	+	Soluble	7	-	-	-	NF	None	None	Neutral
0412	Clear	+	Soluble	8	-	-	-	NF	None	None	Neutral
0413	Yellow	-	Soluble	11	-	-	+	NF	None	None	Base Cyanide
0414	Yellow	-	Soluble	14	-	-	+	NF	None	None	Base Cyanide
0415	Yellow	-	Soluble	14	-	-	+	NF	None	None	Base Cyanide
0416	Yellow	-	Soluble	14	-	-	+	NF	None	None	Base Cyanide
0417	Yellow	-	Soluble	12	-	-	+	NF	None	None	Base Cyanide
0418	Clear, brownish	+	Soluble	11	-, reacts w/ acid	-	+	NF	None	None	Base Cyanide Oxidizer
0419	Clear	-	Soluble	14	-	-	+	NF	None	None	Base Cyanide
0420	Turbid, light brownish orange	+	Soluble	12	-, reacts w/ acid	-	+	NF	None	None	Base Cyanide Oxidizer
0421	Clear	+	Soluble	10	+	-	-	NF	None	None	Base Oxidizer

Table F-1

**HAZARD CATEGORIZATION DATA SUMMARY SHEET**  
**COLUMBIA AMERICAN PLATING**  
**PORTLAND, OREGON**

Container Number	Sample Description	Water Test (+/-, none, slight, delayed, caustic)	Water Solubility/Reactivity	pH	Oxidizer (+/-)	Sulfide (+/-)	Cyanide (+/-)	Flammability Range <sup>a</sup>	Beilstein Test (color)	Char Test (char/flam. vapors)	Hazard Category
0422	Opaque, orange	-	Soluble	13	-	-	+	NF	None	None	Base Cyanide
0423	Opaque, orange	-	Soluble	13	-	-	+	NF	None	None	Base Cyanide
0424	Clear	+	Soluble	10	-	-	+	NF	None	None	Base Cyanide
0425	Clear	+	Soluble	9	-	-	-	NF	None	None	Base
0426	Clear	+	Soluble	4	-	-	-	NF	None	None	Acid
0427	Clear, green	+	Soluble	10	-	-	-	NF	None	None	Base
0428	Clear, orange	-	Soluble	12	-	-	+	NF	None	None	Base Cyanide
0429	Clear	+	Soluble	7	+	-	-	NF	None	None	Neutral Oxidizer
0430	Clear, yellow	+	Soluble	12	-, reacts w/ acid	-	+	NF	None	None	Base Cyanide Oxidizer
0431	Clear	+	Soluble	7	-	-	-	NF	None	None	Neutral
0432	Clear, mint green	+	Soluble	8	-	-	-	NF	None	None	Neutral
0433	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0434	Clear, pale yellow/green	+	Soluble	11	-, reacts w/ acid	-	+	NF	None	None	Base Cyanide Oxidizer
0435	Clear, pale yellow	+	Soluble	12	-, reacts w/ acid	-	+	NF	None	None	Base Cyanide Oxidizer
0436	Clear, orange	+	Soluble	12	-, reacts w/ acid	-	+	NF	None	None	Base Cyanide Oxidizer
0437	Clear	+	Soluble	12	-, reacts w/ acid	-	+	NF	None	None	Base Cyanide Oxidizer
0438	Cloudy, orange	+	Soluble	12	-, reacts w/ acid	-	+	NF	None	None	Base Cyanide Oxidizer
0439	Clear, yellow	-	Soluble	14	-, reacts w/ acid	-	+	NF	None	None	Base Cyanide Oxidizer
0440	Clear, yellow	+	Soluble	11	+	-	+	NF	None	None	Base Cyanide Oxidizer
0441	Clear, pale yellow	-	Soluble	9	+	-	-	NF	None	None	Base Oxidizer
0442	Clear, pale yellow	+	Soluble	13	-, reacts w/ acid	-	+	NF	None	None	Base Cyanide Oxidizer
0443	Clear, yellow	-	Soluble	14	-, reacts w/ acid	-	+	NF	None	None	Base Cyanide Oxidizer
0444	Clear, yellow	-	Soluble	14	-, reacts w/ acid	-	+	NF	None	None	Base Cyanide Oxidizer
0445	Clear, yellow	-	Soluble	13	-, reacts w/ acid	-	+	NF	None	None	Base Cyanide Oxidizer
0446	Not Hazcatted (solid material)										

Table F-1

**HAZARD CATEGORIZATION DATA SUMMARY SHEET  
COLUMBIA AMERICAN PLATING  
PORTLAND, OREGON**

Container Number	Sample Description	Water Test (+/-, none, slight, delayed, caustic)	Water Solubility/ Reactivity	pH	Oxidizer (+/-)	Sulfide (+/-)	Cyanide (+/-)	Flammability Range <sup>a</sup>	Beilstein Test (color)	Char Test (char/flam. vapors)	Hazard Category
0447	Brown	+	Soluble	10	-, reacts w/ acid	-	-	NF	None	None	Base Oxidizer
0448	Clear, milky	+	Soluble	4	-, reacts w/ acid	-	-	NF	None	None	Acid Oxidizer
0449	Clear, mint green	+	Soluble	5	-, reacts w/ acid	-	-	NF	None	None	Acid Oxidizer
0450	Clear	+	Soluble	10	-, reacts w/ acid	-	-	NF	None	None	Base Oxidizer
0451	Clear, pale yellow	-	Soluble	13	-, reacts w/ acid	-	+	NF	None	None	Base Cyanide Oxidizer
0452	Clear, pale yellow/green	+	Soluble	1	-, reacts w/ acid	-	-	NF	None	None	Acid Oxidizer
0453	Blue	+	Soluble	10	+	-	-	NF	None	None	Acid Oxidizer
0454	Clear	+	Soluble	0	-, reacts w/ acid	-	-	NF	None	None	Acid Oxidizer
0455	Clear	+	Soluble	0	+, delayed	-	-	NF	None	None	Acid Oxidizer
0456	Clear, mint green	+	Soluble	6	-	-	-	NF	None	None	Neutral
0457	Clear, yellow	+	Soluble	0	-, reacts w/ acid	-	-	NF	None	None	Acid Oxidizer
0458	Clear	-	Soluble	0	+	-	-	NF	None	None	Acid Oxidizer
0459	Clear, brownish orange	+	Soluble	0	-	-	-	NF	None	None	Acid
0460	Clear	-	Soluble	1	-	-	-	NF	None	None	Acid
0461	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0462	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0463	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0464 Top	Thick, orange, oily	-	Insoluble, floats	ND	-	-	-	NF	Yellow/orange	Black char	Unknown
0464 Bottom	Cloudy, orange	+	Soluble	4	+	-	-	NF	None	None	Acid Oxidizer
0465	Clear	+	Soluble	1	-	-	-	NF	None	None	Acid
0466	Clear, pale green	+	Soluble	10	-	-	+	NF	None	None	Base Cyanide
0467	Clear	Slight	Slight, sinks	3	+	-	-	NF	None	None	Acid Oxidizer
0468	Cloudy, crystal	-	Soluble	2	+	-	-	NF	None	None	Acid Oxidizer
0469	Not Hazcatted (not sampled; identified as 47% formaldehyde solution)										
0470	Blue	+	Soluble	10	+	-	-	NF	None	None	Base Oxidizer
0471	Clear, mint green	+	Soluble	0	+	-	-	NF	None	None	Acid Oxidizer
0472	Clear, green	+	Soluble	1	-	-	-	NF	None	None	Acid
0473	Clear	+	Soluble	0	+	-	-	NF	None	None	Acid Oxidizer
0474	Clear	+	Soluble	4	-	-	-	NF	None	None	Acid

Table F-1

**HAZARD CATEGORIZATION DATA SUMMARY SHEET**  
**COLUMBIA AMERICAN PLATING**  
**PORTLAND, OREGON**

Container Number	Sample Description	Water Test (+/-, none, slight, delayed, caustic)	Water Solubility/ Reactivity	pH	Oxidizer (+/-)	Sulfide (+/-)	Cyanide (+/-)	Flammability Range <sup>a</sup>	Beilstein Test (color)	Char Test (char/flam. vapors)	Hazard Category
0475	Clear, yellow	+	Soluble	8	-	-	-	NF	None	None	Neutral
0476	Clear, orange	-	Soluble	12	-	-	-	NF	None	None	Base
0477	Clear, orange	+	Soluble	2	+	-	-	NF	None	None	Acid Oxidizer
0478	Clear	+	Soluble	4	+	-	-	NF	None	None	Acid Oxidizer
0479	Clear	+	Soluble	7	-	-	-	NF	None	None	Neutral
0480	Not Hazcatted (solid material)										
0481	Clear	+	Soluble	0	+	-	-	NF	None	None	Acid Oxidizer
0482	Clear	+	Soluble	0	+	-	-	NF	None	None	Acid Oxidizer
0483	Clear	+	Soluble	0	+	-	-	NF	None	None	Acid Oxidizer
0484	Clear	+	Soluble	0	+	-	-	NF	None	None	Acid Oxidizer
0485	Clear	+	Soluble	6	-	-	-	NF	None	None	Neutral
0486	Clear, yellow	+	Soluble	4	+	-	-	NF	None	None	Acid Oxidizer
0487	Clear, pale yellow	+	Soluble	5	+	-	-	NF	None	None	Acid Oxidizer
0488	Clear, orange	+	Soluble	4	+	-	-	NF	None	None	Acid Oxidizer
0489	Clear, brown/orange	+	Soluble	2	+	-	-	NF	None	None	Acid Oxidizer
0490	Clear	+	Soluble	5	-	-	-	NF	None	None	Acid
0491	Clear	+	Soluble	5	-	-	-	NF	None	None	Acid
0492	Clear gray	+	Soluble	2	-	-	-	NF	None	None	Acid
0493	Clear	+	Soluble	0	-	-	-	NF	None	None	Acid
0494	Clear	-	Soluble	11	-	-	-	NF	None	None	Base
0495	Clear	+	Soluble	10	-	-	-	NF	None	None	Base
0496	Clear	+	Soluble	11	-	-	-	NF	None	None	Base
0497	Clear	+	Soluble	10	-	-	-	NF	None	None	Base
0498	Turbid, orange	-	Soluble	14	-	-	-	NF	None	None	Base
0499	Clear	+	Soluble	3	-	-	-	NF	None	None	Acid
0500	Clear	+	Soluble	0	-	-	-	NF	None	None	Acid
0501	Clear	+	Soluble	0	-	-	-	NF	None	None	Acid
0502	Clear, pale green	+	Soluble	0	-	-	-	NF	None	None	Acid
0503	Clear, pale green	+	Soluble	5	+	-	-	NF	None	None	Acid Oxidizer
0504	Clear	+	Soluble	0	-	-	-	NF	None	None	Acid
0505	Clear, pale yellow	+	Soluble	10	-	-	-	NF	None	None	Base
0506	Turbid, light brown	+	Soluble	10	+	-	-	NF	None	None	Base Oxidizer
0507	Clear	+	Soluble	10	+	-	-	NF	None	None	Base Oxidizer
0508	Clear	+	Soluble	10	-	-	-	NF	None	None	Base
0509	Turbid, yellow/brown	-	Soluble	14	+	-	-	NF	None	None	Base Oxidizer
0510	Clear	+	Soluble	5	-	-	-	NF	None	None	Acid
0511	Copper color w/ solids	+	Soluble	3	+, delayed	-	-	NF	Blue	None	Acid Oxidizer



Table F-1

**HAZARD CATEGORIZATION DATA SUMMARY SHEET  
COLUMBIA AMERICAN PLATING  
PORTLAND, OREGON**

Container Number	Sample Description	Water Test (+/-, none, slight, delayed, caustic)	Water Solubility/ Reactivity	pH	Oxidizer (+/-)	Sulfide (+/-)	Cyanide (+/-)	Flammability Range <sup>a</sup>	Beilstein Test (color)	Char Test (char/flam. vapors)	Hazard Category
0512	Not Hazcatted (empty container)										
0513	Clear	+	Soluble	10	+	-	+	NF	None	None	Base Cyanide Oxidizer
0514	Clear	+	Soluble	5	-	-	-	NF	None	None	Acid
0515	Clear	+	Soluble	4	-	-	-	NF	None	None	Acid
0516	Clear	+	Soluble	3	-	-	-	NF	None	None	Acid
0517	Clear	+	Soluble	2	-	-	-	NF	None	None	Acid
0518	Clear	+	Soluble	0	-	-	-	NF	None	None	Acid
0519	Clear yellow	+	Soluble	0	+	-	-	NF	None	None	Acid Oxidizer
0520	Not Hazcatted (solid material)										
0521	Clear, milky	+	Soluble	5	-	-	-	NF	None	None	Acid
0522	Clear, milky	+	Soluble	5	-	-	-	NF	None	None	Acid
0523	Clear, milky orange	+	Soluble	10	-	-	+	NF	None	None	Base Cyanide
0524	Turbid, orange	+	Soluble	12	+	-	+	NF	None	None	Base Cyanide Oxidizer
0525	Muddy brown sludge	+	Soluble	4	+	-	-	NF	None	None	Acid Oxidizer
0526	Clear	+	Soluble	5	-	-	-	NF	None	None	Acid
0527	Clear, blue	+	Soluble	0	-	-	-	NF	None	None	Acid
0528	Clear	+	Soluble	5	-	-	-	NF	None	None	Acid
0529	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0530	Clear, mint green	+	Soluble	1	-	-	-	NF	Green	None	Acid
0531	Clear	+	Soluble	0	-	-	-	NF	Green	None	Acid
0532	Clear	+	Soluble	9	-	-	-	NF	None	None	Base
0533	Turbid, back/gray w/ solids	+	Soluble	1	-	-	-	NF	None	None	Acid
0534	Turbid, green/black w/ solids	+	Soluble	0	-	-	-	NF	None	None	Acid
0535	Clear, pale green	+	Soluble	0	-	-	-	NF	None	None	Acid
0536	Turbid, orange	+	Soluble	1	-	-	-	NF	Orange	None	Acid
0537	Clear, milky	+	Soluble	0	-	-	-	NF	None	None	Acid
0538	Turbid, brownish orange	+	Soluble	12	-	-	+	NF	None	None	Base Cyanide
0539	Clear, mint green	+	Soluble	4	-	-	-	NF	None	None	Acid
0540	Clear	+	Soluble	4	-	-	-	NF	None	None	Acid
0541	Clear	+	Soluble	0	-	-	-	NF	None	None	Acid
0542	Clear, mint green	+	Soluble	4	-	-	-	NF	None	None	Acid
0543	Clear	+	Soluble	10	-	-	-	NF	None	None	Base
0544	Clear	+	Soluble	14	-	-	+	NF	None	None	Base Cyanide

Table F-1

**HAZARD CATEGORIZATION DATA SUMMARY SHEET**  
**COLUMBIA AMERICAN PLATING**  
**PORTLAND, OREGON**

Container Number	Sample Description	Water Test (+/-, none, slight, delayed, caustic)	Water Solubility/ Reactivity	pH	Oxidizer (+/-)	Sulfide (+/-)	Cyanide (+/-)	Flammability Range <sup>a</sup>	Beilstein Test (color)	Char Test (char/flam. vapors)	Hazard Category
0545	Clear	+	Soluble	6	-	-	-	NF	None	None	Neutral
0546	Clear	+	Soluble	7	-	-	-	NF	None	None	Neutral
0547	Clear, pale blue	+	Soluble	10	-	-	-	NF	None	None	Base
0548	Clear, pale yellow	-	Soluble	14	+, slight	-	+	NF	None	Gray char	Base Cyanide Oxidizer
0549	Clear	+	Soluble	8	-	-	+	NF	None	None	Base Cyanide
0550	Clear	+	Soluble	5	-	-	-	NF	None	None	Acid
0551	Clear, yellow	+	Soluble	3	+	-	-	NF	Green	None	Acid Oxidizer
0552	Clear	+	Soluble	4	-	-	-	NF	None	None	Acid
0553	Clear	+	Soluble	4	-	-	-	NF	None	None	Acid
0554	Clear, yellow	+	Soluble	0	+	-	-	NF	Green	None	Acid Oxidizer
0555	Clear, mint green	+	Soluble	1	-	-	-	NF	None	None	Acid
0556	Clear, mint green	+	Soluble	4	-	-	-	NF	None	None	Acid
0557	Clear	+	Soluble	6	-	-	-	NF	None	None	Neutral
0558	Clear	+	Soluble	4	-	-	-	NF	None	None	Acid
0559	Clear, pale blue	+	Soluble	0	-	-	-	NF	None	None	Acid
0560	Not Hazcatted (insufficient sample quantity available)										
0561	Clear, blue/gray	+	Soluble	0	+	-	-	NF	None	None	Acid Oxidizer
0562	Clear, blackish green	+	Soluble	1	+	-	-	NF	None	None	Acid Oxidizer
0563	Clear, light green	-	Soluble	8	-	-	-	NF	None	None	Neutral
0564	Clear	+	Soluble	1	+	-	-	NF	None	None	Acid Oxidizer
0565	Clear	+	Soluble	1	-	-	-	NF	None	None	Acid
0566	Orange	+	Soluble	1	+	-	-	NF	None	None	Acid Oxidizer
0567	Clear, orange/brown	+	Soluble	2	+	-	-	NF	Green	None	Acid Oxidizer
0568	Clear	+	Soluble	9	+	-	-	NF	None	None	Base Oxidizer
0569	Clear, light blue/gray	+	Soluble	1	+	-	-	NF	None	None	Acid Oxidizer
0570	Clear, green	+	Soluble	4	+	-	-	NF	None	None	Acid Oxidizer
0571	Clear	+	Soluble	4	-	-	-	NF	None	None	Acid
0572	Clear, blue	+	Soluble	0	+	-	-	NF	None	None	Acid Oxidizer
0573	Clear	+	Soluble	9	-	-	-	NF	None	None	Base
0574	Clear	+	Soluble	6	-	-	-	NF	None	None	Neutral
0575	Clear	+	Soluble	0	+	-	-	NF	Blue-green	None	Acid Oxidizer
0576	Clear, green	+	Soluble	1	+	-	-	NF	Blue-green	None	Acid Oxidizer
0577	Clear, mint green	+	Soluble	0	+	-	-	NF	Green	None	Acid Oxidizer
0578	Light blue	+	Soluble	1	+	-	-	NF	Green	None	Acid Oxidizer
0579	Clear, light blue	+	Soluble	0	+	-	-	NF	None	None	Acid Oxidizer
0580	Clear, green	+	Soluble	6	-	-	-	NF	None	None	Neutral

Table F-1

**HAZARD CATEGORIZATION DATA SUMMARY SHEET  
COLUMBIA AMERICAN PLATING  
PORTLAND, OREGON**

Container Number	Sample Description	Water Test (+/-, none, slight, delayed, caustic)	Water Solubility/Reactivity	pH	Oxidizer (+/-)	Sulfide (+/-)	Cyanide (+/-)	Flammability Range <sup>a</sup>	Beilstein Test (color)	Char Test (char/flam. vapors)	Hazard Category
0581	Clear, brownish/green	+	Soluble	0	+	-	-	NF	None	None	Acid Oxidizer
0582	Clear, green	-	Soluble	10	-	-	-	NF	None	None	Base
0583	Clear, yellow	-	-	14	+	-	+	NF	None	None	Base Cyanide Oxidizer
0584	Clear	+	Soluble	0	+	-	-	NF	Green	None	Acid Oxidizer
0585	Clear, green	+, slight	Soluble	8	-	-	-	NF	None	None	Neutral
0586	Clear	+	Soluble	7	+	-	-	NF	None	None	Neutral Oxidizer
0587	Clear, red/orange	-	Soluble	14	-	-	-	NF	None	None	Base
0588	Clear	+	Soluble	1	-	-	-	NF	None	None	Acid
0589	Clear, blue	+	Soluble	12	-	-	+	NF	None	None	Base Cyanide
0590	Clear	+	Soluble	7	-	-	-	NF	None	None	Neutral
0591	Clear	+	Soluble	7	-	-	-	NF	None	None	Neutral
0592	Clear, orange/brown	+	Soluble	1	+	-	-	NF	None	None	Acid Oxidizer
0593	Clear, black/gray	+	Soluble	4	-	-	-	NF	None	None	Acid
0594	Clear	+	Soluble	7	-	-	-	NF	None	None	Neutral
0595	Clear	+	Soluble	7	-	+	-	NF	None	None	Neutral
0596	Clear	-	Soluble	14	-	-	-	NF	None	None	Base
0597	Not Hazcatted (no sample)										
0598	Not Hazcatted (sludge only)										
0599	Clear	+	Soluble	4	-	-	-	NF	None	None	Acid
0600	Clear, milky	+	Soluble	4	-	-	-	ND	ND	ND	Acid
0601	Clear, yellow	+	Soluble	0	+	-	-	ND	ND	ND	Acid Oxidizer
0602	Not Hazcatted (no sample)										
0603	Clear	+	Soluble	7	-	-	-	ND	ND	ND	Neutral
0604	Turbid, orange	+	Soluble	12	-	-	-	ND	ND	ND	Base
0605	Clear, red/brown	+	Soluble	3	+	-	-	ND	ND	ND	Acid Oxidizer
0606	Clear, yellow	+	Soluble	4	+	-	-	ND	ND	ND	Acid Oxidizer
0607	Clear, yellow	+	Soluble	4	+	-	-	ND	ND	ND	Acid Oxidizer
0608	Clear, yellow	+	Soluble	4	+	-	-	ND	ND	ND	Acid Oxidizer
0609	Clear	+	Soluble	5	-	-	-	ND	ND	ND	Acid
0610	Clear, green/brown	+	Soluble	2	+	-	-	ND	ND	ND	Acid Oxidizer
0611	Clear	+	Soluble	5	-	-	-	ND	ND	ND	Acid
0612	Clear, yellow	+, caustic	Soluble	0	+	-	-	ND	ND	ND	Acid Oxidizer
0613	Clear	+	Soluble	7	-	-	-	ND	ND	ND	Neutral
0614	Clear, orange	+	Soluble	14	-	-	-	ND	ND	ND	Neutral
0615	Clear, light yellow	+	Soluble	8	-	-	-	NF	None	None	Neutral
0616	Clear, yellow	+	Soluble	11	-	-	-	NF	None	None	Base

Table F-1

**HAZARD CATEGORIZATION DATA SUMMARY SHEET  
COLUMBIA AMERICAN PLATING  
PORTLAND, OREGON**

Container Number	Sample Description	Water Test (+/-, none, slight, delayed, caustic)	Water Solubility/Reactivity	pH	Oxidizer (+/-)	Sulfide (+/-)	Cyanide (+/-)	Flammability Range <sup>a</sup>	Beilstein Test (color)	Char Test (char/flam. vapors)	Hazard Category
0617	Clear, brown/orange	+	Soluble	2	+	-	-	NF	None	None	Acid Oxidizer
0618	Clear	+	Soluble	7	-	-	-	NF	None	None	Neutral
0619	Clear, light yellow	+	Soluble	12	+	-	+	NF	None	None	Base Cyanide Oxidizer
0620	Clear, red/orange	+	Soluble	2	+	-	-	NF	None	None	Acid Oxidizer
0621	Turbid, light brown	+	Soluble	13	-	-	-	NF	None	None	Base
0622	Clear, pale green	+	Soluble	0	+	-	-	NF	None	None	Acid Oxidizer
0623	Clear, gray	+	Soluble	11	-, reacts w/ acid	-	+	NF	None	None	Base Cyanide Oxidizer
0624	Clear, pale yellow/orange	+, caustic	Soluble	13	-, reacts w/ acid	-	+	NF	None	None	Base Cyanide Oxidizer
0625	Clear, mint green	+	Soluble	4	-	-	-	NF	None	White char	Acid
0626	Clear, light brown	+, caustic	Soluble	13	-	-	+	NF	None	None	Base Cyanide
0627	Clear	+	Soluble	8	-	-	-	NF	None	None	Neutral
0628	Clear, light brown	+	Soluble	8	-	-	-	NF	None	None	Neutral
0629	Clear, green	+	Soluble	5	+	-	-	NF	None	None	Acid Oxidizer
0630	Clear, red/orange	+, slight	Soluble	2	+	-	-	NF	None	None	Acid Oxidizer
0631	Clear, red/orange	+, slight	Soluble	2	+	-	-	NF	None	None	Acid Oxidizer
0632	Clear, mint green	+	Soluble	2	-	-	-	NF	None	None	Acid
0633	Clear, olive green	+	Soluble	6	-	-	-	NF	None	None	Neutral
0634	Clear, gray/green	+, slight, caustic	Soluble	12	-, reacts w/ acid	-	+	NF	None	None	Base Cyanide Oxidizer
0635	Clear	+	Soluble	5	-	-	-	NF	None	None	Acid
0636	Clear	+, caustic	Soluble	14	-	-	-	NF	None	None	Base
0637	Clear, light blue	+	Soluble	0	+	-	-	NF	None	None	Acid Oxidizer
0638	Not Hazcatted (solid material)										
0639	Clear, light blue	+	Soluble	0	+	-	-	NF	None	None	Acid Oxidizer
0640	Clear, yellow/brown	+	Soluble	11	-	-	-	NF	None	None	Base
0641	Not Hazcatted (no sample)										
0642	Clear, yellow	+	Soluble	10	-	-	-	NF	None	None	Base
0643	Clear, pale blue	+	Soluble	0	+	-	-	NF	None	None	Acid Oxidizer
0644	Clear, brown/green	+	Soluble	12	-	-	+	NF	None	None	Base Cyanide
0645	Clear, brown/green	+	Soluble	11	-	-	-	NF	None	None	Base
0646	Not Hazcatted (solid material)										
0647	Clear	+, caustic	Soluble	14	+	-	-	NF	None	None	Base Oxidizer
0648	Clear, brown/green	+	Soluble	12	-	-	+	NF	None	None	Base Cyanide
0649	Not Hazcatted (solid material)										
0650	Not Hazcatted (solid material)										

Table F-1

**HAZARD CATEGORIZATION DATA SUMMARY SHEET**  
**COLUMBIA AMERICAN PLATING**  
**PORTLAND, OREGON**

Container Number	Sample Description	Water Test (+/-, none, slight, delayed, caustic)	Water Solubility/Reactivity	pH	Oxidizer (+/-)	Sulfide (+/-)	Cyanide (+/-)	Flammability Range <sup>a</sup>	Beilstein Test (color)	Char Test (char/flam. vapors)	Hazard Category
0651	Clear, light blue	+	Soluble	0	+	-	-	NF	None	None	Acid Oxidizer
0652	Clear, green	+	Soluble	5	-	-	-	NF	None	None	Acid
0653	Clear, brown	+	Soluble	6	-	-	-	NF	None	None	Neutral
0654	Clear	+	Soluble	6	+, slight	-	-	NF	None	None	Neutral Oxidizer
0655	Clear	+	Soluble	7	+, slight	-	-	NF	None	None	Neutral Oxidizer
0656	Clear, mint green	+	Soluble	9	-	-	-	NF	None	None	Base
0657	Not Hazcatted (empty container)										
0658	Clear, yellow	+	Soluble	0	+	-	-	NF	None	None	Acid Oxidizer
0659	White granular salt	-	Soluble	14	-	-	-	NF	Orange	None	Base
0660	Clear	+	Soluble	7	+, slight	-	-	NF	None	None	Neutral Oxidizer
0661	Not Hazcatted (empty container)										
0662	Clear, light yellow	+	Soluble	14	+	-	-	NF	None	None	Base Oxidizer
0663	Clear	+	Soluble	0	-	-	-	NF	Blue-green	None	Acid
0664	Clear, mint green	+	Soluble	4	-	-	-	NF	None	None	Acid
0665	Clear, mint green	+	Soluble	6	-	-	-	NF	None	None	Neutral
0666	Turbid, dark black/green	+	Soluble	1	+	-	-	NF	None	None	Acid Oxidizer
0667	Turbid, dark black/green	+	Soluble	1	+	-	-	NF	None	None	Acid Oxidizer
0668	Clear	+, caustic	Soluble	14	-	-	-	NF	None	None	Base
0669	Clear, yellow/orange	+	Soluble	4	+	-	-	NF	None	None	Acid Oxidizer
0670	Clear, yellow/green	+	Soluble	0	-, reacts w/ acid	-	-	NF	None	None	Acid Oxidizer
0671	Clear, mint green	+	Soluble	6	-	-	-	NF	None	None	Neutral
0672	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0673	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0674	Clear, mint green	+	Soluble	6	-	-	-	NF	None	None	Neutral
0675	Clear, brown/gray	+	Soluble	11	-, reacts w/ acid	-	+	NF	None	None	Base Cyanide Oxidizer
0676	Clear, brown/orange	+, caustic	Soluble	13	-, reacts w/ acid	-	+	NF	None	None	Base Cyanide Oxidizer
0677	Clear, brown/orange	+, caustic	Soluble	12	-, reacts w/ acid	-	+	NF	None	None	Base Cyanide Oxidizer
0678	Not Hazcatted (empty container)										
0679	Clear, light mint green	+	Soluble	6	-	-	-	NF	None	None	Neutral
0680	Clear, light mint green	+	Soluble	7	-	-	-	NF	None	None	Neutral

Table F-1

**HAZARD CATEGORIZATION DATA SUMMARY SHEET**  
**COLUMBIA AMERICAN PLATING**  
**PORTLAND, OREGON**

Container Number	Sample Description	Water Test (+/-, none, slight, delayed, caustic)	Water Solubility/Reactivity	pH	Oxidizer (+/-)	Sulfide (+/-)	Cyanide (+/-)	Flammability Range <sup>a</sup>	Beilstein Test (color)	Char Test (char/flam. vapors)	Hazard Category
0681	Clear, mint green	+	Soluble	5	-	-	-	NF	None	None	Acid
0682	Clear, light blue	+	Soluble	0	+	-	-	NF	None	None	Acid Oxidizer
0683	Clear, brown/orange	+	Soluble	4	+	-	-	NF	None	None	Acid Oxidizer
0684	Turbid, black/green	+	Soluble	1	+	-	-	NF	None	None	Acid Oxidizer
0685	Clear, blue/gray/green	+	Soluble	9	-	-	-	NF	None	None	Neutral
0686	Clear, blue/gray/green	+	Soluble	10	-	-	-	NF	None	None	Base
0687	Turbid, black/green	+	Soluble	1	+	-	-	NF	Green	None	Acid Oxidizer
0688	Clear, mint green	+	Soluble	6	-	-	-	NF	None	None	Neutral
0689	Clear, mint green	+	Soluble	6	-	-	-	NF	None	None	Neutral
0690	White, granular salt	-	Soluble, generates heat	14	-	-	-	NF	None	None	Base
0691	Clear	+	Soluble	0	-, reacts w/ acid	-	-	NF	Blue-green	None	Acid Oxidizer
0692	Clear	+	Soluble	6	-	-	-	NF	None	None	Neutral
0693	Clear	+, caustic	Soluble	14	-	-	ND	NF	Orange	None	Base
0694	Clear, light brown/orange	+, caustic		13	-	-	-	NF	None	None	Base
0695	Clear, green	+	Soluble	5	-	-	-	NF	None	None	Acid
0696	Clear, aqua	+	Soluble	6	-	-	-	NF	None	None	Neutral
0697	Clear, brown	+	Soluble	7	-, reacts w/ acid	-	-	NF	None	Black char	Neutral Oxidizer
0698	Clear, light brown	+	Soluble	1	-	-	-	NF	None	None	Acid
0699	Clear, light brown	+	Soluble	9	-	-	-	NF	None	White char	Neutral
0700	Orange, thick	ND	ND	5	ND	ND	ND	Flammable	None	Black char	Flammable Acid
0701	Clear, pale yellow/brown	+	Soluble	8	-	-	-	NF	None	None	Neutral
0702	Clear, pale yellow/brown	+	Soluble	8	-	-	-	NF	None	None	Neutral
0703	Not Hazcatted (empty container)										
0704	Clear, mint green	+	Soluble	4	-	-	-	NF	None	None	Acid
0705	Clear, pale green	+	Soluble	5	-, reacts w/ acid	-	-	NF	None	None	Acid Oxidizer
0706	Clear, green	+	Soluble	6	-	-	-	NF	None	White char	Neutral
0707	Clear, pale yellow/green	+	Soluble	8	-	-	-	NF	None	None	Neutral
0708	Clear, pale yellow	+	Soluble	6	-	-	-	NF	None	None	Neutral

Table F-1

**HAZARD CATEGORIZATION DATA SUMMARY SHEET**  
**COLUMBIA AMERICAN PLATING**  
**PORTLAND, OREGON**

Container Number	Sample Description	Water Test (+/-, none, slight, delayed, caustic)	Water Solubility/ Reactivity	pH	Oxidizer (+/-)	Sulfide (+/-)	Cyanide (+/-)	Flammability Range <sup>a</sup>	Beilstein Test (color)	Char Test (char/flam. vapors)	Hazard Category
0709	Clear	+	Soluble	3	+	-	-	NF	None	None	Acid Oxidizer
0710	Clear, red/orange	+	Soluble	3	+	-	-	NF	None	None	Acid Oxidizer
0711	Clear	-	Soluble	10	-	-	-	NF	None	None	Base
0712	Clear	+	Soluble	4	-	-	-	NF	None	None	Acid
0713	Clear, orange	+, caustic	Soluble	14	-	-	+	NF	None	None	Base Cyanide
0714	Clear	+	Soluble	7	-	-	-	NF	None	None	Neutral
0715	Light blue powder	+	Soluble	10	+	-	-	NF	None	None	Base Oxidizer
0716	Grey/green sludge drippings	+	Soluble	13	+	-	-	NF	None	None	Base Oxidizer
0717	Grey/green sludge drippings	+	Soluble	11	+	-	-	NF	None	None	Base Oxidizer
0718	Green	-	Soluble	6-7	-	-	-	NF	None	White/green char	Neutral
0719	Clear	+	Soluble	2	-	-	-	NF	None	None	Acid
0720	Black	+	Soluble	3	-	-	-	NF	None	None	Acid
0721	Oily, clear, yellow tint	-	Insoluble, floats	7	-	-	-	Flammable	Yellow	None	Flammable Neutral
0722	Oily, clear, yellow tint	-	Insoluble, floats	7	-	-	-	Flammable	Yellow	None	Flammable Neutral
0723	Yellow solid	-	Soluble	7	-	-	-	NF	Orange	None	Neutral
0724	Pale, pink/orange	+	Soluble	1	-	-	-	NF	Green-blue	None	Acid
0725	Pale, pink/orange	+	Soluble	1	+	-	-	NF	Green-blue	None	Acid Oxidizer
0726	Clear, green	+	Soluble	2	+	-	-	NF	Green	None	Acid Oxidizer
0727	Clear	+	Soluble	1	+	-	-	NF	None	None	Acid Oxidizer
0728	Clear, pale green	+	Soluble	7	-	-	-	NF	None	None	Neutral
0729	Clear, green	+	Soluble	5	-	-	-	NF	None	White char	Acid
0730	Clear, dark blue, thick	-	Soluble	ND	-	-	-	NF	None	None	Unknown
0731	Thick, clear, oily	-	Insoluble, floats	7	-	-	-	Flammable	Yellow	None	Flammable Neutral
0732	Clear	+	Soluble	6	-	-	-	NF	None	None	Neutral
0733	Clear	-	Soluble	11	-	-	-	NF	None	None	Base
0734	Thick red/black, oily	-	Soluble	2-3	+	-	-	NF	None	None	Acid Oxidizer
0735	Clear	+	Soluble	10	-	-	-	NF	None	None	Base
0736	Clear, pale yellow	+	Soluble	4	-	-	-	NF	None	None	Acid
0737	Clear, orange/red	+	Soluble	3	+	-	-	NF	None	None	Acid Oxidizer
0738	Clear, green	+	Soluble	4	-	-	-	NF	None	None	Acid
0739	Clear	+	Soluble	5	-	-	-	NF	None	None	Acid
0740	Not Hazcatted (insufficient sample quantity available)										
0741	Clear	+	Soluble	7	-	-	-	NF	None	None	Neutral
0742	Clear	+	Soluble	6	-	-	-	NF	None	None	Neutral
0743	Clear, oily	-	Soluble	7	-	-	-	140	Orange	Char	Neutral

Table F-1

**HAZARD CATEGORIZATION DATA SUMMARY SHEET  
COLUMBIA AMERICAN PLATING  
PORTLAND, OREGON**

Container Number	Sample Description	Water Test (+/-, none, slight, delayed, caustic)	Water Solubility/Reactivity	pH	Oxidizer (+/-)	Sulfide (+/-)	Cyanide (+/-)	Flammability Range <sup>a</sup>	Beilstein Test (color)	Char Test (char/flam. vapors)	Hazard Category
0744	Clear, oily	-	Soluble	7	-	-	-	140	Orange	Char	Neutral
0745	Thick, oily brown	-	Insoluble, floats	ND	-	-	-	Flammable	Yellow	None	Unknown Flammable
0746	Clear, green	+	Soluble	6	-	-	-	NF	None	White char	Neutral
0747	Clear	+	Soluble	0	-	-	-	NF	None	None	Acid
0748	Clear	+	Soluble	10	-	-	-	NF	None	None	Base
0749	Pale brown/orange	+	Soluble	5	-	-	-	NF	None	None	Acid
0750	Clear, pale yellow	+	Soluble	6	-	-	-	NF	None	None	Neutral
0751	Clear, green	+	Soluble	3	-	-	-	NF	None	None	Acid
0752	Not Hazcatted (empty container)										
0753	(top) Turbid, yellow	-	Insoluble, floats	7	+	-	-	Flammable	Yellow	None	Neutral Flammable Oxidizer
0753	(bottom) Turbid, yellow	+	Soluble	4	+	-	-	NF	None	None	Acid Oxidizer
0754	Clear	+, caustic	Soluble	14	-	-	-	NF	None	None	Base
0755	Clear, soapy	+	Soluble	7	-	-	-	NF	None	None	Neutral
0756	Not Hazcatted (solid material)										
0757	Not Hazcatted (no container)										
0758	Clear, thick orange	+	Soluble	0	+	-	-	NF	None	None	Acid Oxidizer
0759	Clear, blue/green	+	Soluble	1	+	-	-	NF	None	None	Acid Oxidizer
0760	Light blue powder	+	Soluble	10	+	-	-	NF	None	None	Base Oxidizer
0761	(top) Brown, thick, oily	-	Insoluble, floats	ND	-	-	-	Flammable	Yellow	None	Unknown Flammable
0761	(bottom) Clear, pale yellow	+	Soluble	1	-	-	-	NF	None	None	Acid
0762 Top	Oily, brown	-	Insoluble, floats	ND	-	-	-	NF	None	None	Unknown
0762 Bottom	Clear, yellow	+	Soluble	0	+	-	-	NF	None	None	Acid Oxidizer
0763	Clear, blue	+	Soluble	11	-	-	-	NF	None	None	Base
0764	Clear	+	Soluble	10	-	-	-	NF	None	None	Base
0765	Clear	+	Soluble	0	-	-	-	NF	None	None	Acid
0766	Clear, blue/black	+	Soluble	ND	ND	-	-	NF	None	None	Unknown
0767	Clear, yellow	+	Soluble	0	+	-	-	NF	Green	None	Acid Oxidizer
0768	Clear	+	Soluble	1	-	-	-	NF	None	None	Acid
0769	Clear, green	+	Soluble	5	-	-	-	NF	None	None	Acid
0770	Clear, pale yellow/brown	+	Soluble	8	-	-	-	NF	None	None	Neutral
0771	Clear, pale brown	+	Soluble	8	-	-	-	NF	None	None	Neutral
0772	Clear	+	Soluble	6	-	-	-	NF	None	None	Neutral



Table F-1

**HAZARD CATEGORIZATION DATA SUMMARY SHEET  
COLUMBIA AMERICAN PLATING  
PORTLAND, OREGON**

Container Number	Sample Description	Water Test (+/-, none, slight, delayed, caustic)	Water Solubility/Reactivity	pH	Oxidizer (+/-)	Sulfide (+/-)	Cyanide (+/-)	Flammability Range <sup>a</sup>	Beilstein Test (color)	Char Test (char/flam. vapors)	Hazard Category
0773	Clear, yellow	+	Soluble	0	+	-	-	NF	Green	None	Acid Oxidizer
0774	Clear, pale pink/brown	+, caustic	Soluble	14	+	-	-	NF	None	None	Base Oxidizer
0775	Clear, pale pink/brown	+	Soluble	5	-	-	-	NF	None	None	Acid
0776	Clear, dark black/blue	+	Soluble	0	-	-	-	NF	None	None	Acid
0777	Clear, blue	+	Soluble	10	+	-	-	NF	None	None	Base Oxidizer
0778	Not Hazcatted (solid material)										
0779	Light blue powder	+	Slight	10	+	-	-	NF	None	None	Base Oxidizer
0780	Clear	+, slight	Soluble	7	-	-	-	NF	None	None	Neutral
0781	Clear	+, caustic	Soluble	10	-	-	+	NF	None	None	Base Cyanide
0782	Clear, yellow	+	Soluble	3	+	-	-	NF	Green	None	Acid Oxidizer
0783	Clear	+	Soluble	4	-	-	-	NF	None	None	Acid
0784	Clear	+, caustic	Soluble	13	-	-	-	NF	None	None	Base
0785	Clear	-	Insoluble, floats	5	+	-	-	Flammable	Yellow	None	Acid Flammable Oxidizer
0786	Milky, thick gray	-	Insoluble, sinks	3	-	-	-	Flammable	Yellow	None	Acid Flammable
0787	Clear, orange	+, slight	Insoluble, sinks	0	-	-	-	NF	None	None	Acid
0788	Clear	+	Soluble	7	-	-	-	NF	None	None	Neutral
0789	Clear	+	Soluble	8	-	-	-	NF	None	None	Neutral
0790	Clear	+	Soluble	6	-	-	-	NF	None	None	Neutral
0791	Clear, blue	+	Soluble	1	+	-	-	NF	Green	None	Acid Oxidizer
0792	Turbid, brown w/ white sediment	+, caustic	Soluble	14	-	-	-	NF	None	None	Base
0793	Clear, dark blue/black	+	Soluble	1	-	-	-	NF	None	None	Acid
0794	Milky, brownish white	+	Soluble	0	-	-	-	NF	None	None	Acid
0795	Clear, pale pink/brown	+	Soluble	8	-	-	-	NF	None	None	Neutral
0796	Clear	+	Soluble	4	-	-	-	NF	Orange	None	Acid
0797	Clear, red/orange	-	Soluble	14	-	+	-	NF	Slight orange	None	Base
0798	Turbid, pale brown/gray	+	Soluble	1	-	-	-	NF	None	None	Acid
0799	Clear	+	Soluble	6	-	-	-	NF	None	None	Neutral
0800	Clear, yellowish	+	Soluble	8	-	-	-	NF	None	None	Neutral
0801	Opaque, brown, water-like	+	Soluble	4	-	-	-	> 200	Orange, little green	Char, orange vapors	Acid
0802	Clear, thick yellowish	-	Insoluble, floats	6	-	-	-	Flammable	Yellow	None	Neutral Flammable

Table F-1

**HAZARD CATEGORIZATION DATA SUMMARY SHEET  
COLUMBIA AMERICAN PLATING  
PORTLAND, OREGON**

Container Number	Sample Description	Water Test (+/-, none, slight, delayed, caustic)	Water Solubility/Reactivity	pH	Oxidizer (+/-)	Sulfide (+/-)	Cyanide (+/-)	Flammability Range <sup>a</sup>	Beilstein Test (color)	Char Test (char/flam. vapors)	Hazard Category
0803	Clear, green	+	Soluble	4	-	-	-	NF	Green	None	Acid
0804	Clear, thick yellow	-	Insoluble, floats	6	-	-	-	Flammable	Yellow	None	Neutral Flammable
0805	Clear	+	Soluble	0	+	-	-	NF	None	None	Acid Oxidizer
0806	Clear	+	Soluble	5	-	-	-	NF	None	None	Acid
0807	Clear, pale brown/orange	+	Soluble	6	-	-	-	NF	None	None	Neutral
0808	Clear, pale yellowish	+	Soluble	3	-	-	-	NF	None	None	Acid
0809	Clear, orange/brown	+	Soluble	9	+	-	-	NF	None	None	Base Oxidizer
0810	Crystalline chunks, yellow & brown solids	-	Soluble	10	-	-	+	NF	None	None	Base Cyanide
0811	Turbid, milky pink	+	Soluble	7	-	-	-	NF	None	None	Neutral
0812	Turbid, pale pink/gray	+	Soluble	8	+	-	-	NF	None	None	Neutral Oxidizer
0813	Turbid, brown/orange	+	Soluble	1	+	-	-	NF	None	None	Acid Oxidizer
0814	Clear, mint green/blue	+	Soluble	8	-	-	-	NF	Orange	None	Neutral
0815	Clear, yellow	+, caustic	Soluble	14	-	-	+	NF	None	None	Base Cyanide
0816	Clear, blue	+	Soluble	10	+	-	-	NF	None	None	Base Oxidizer
0817	Not Hazcatted (solid material)										
0818	Clear	+	Soluble	7	-	-	-	NF	None	None	Neutral
0819	Clear, brownish yellow	+	Soluble	1	+	-	-	NF	None	None	Acid Oxidizer
0820	Light blue powder	+	Soluble	10	+	-	-	NF	None	None	Base Oxidizer
0821	Not Hazcatted (solid material; "Copper Starter"; same as samples 715, 779, 820)										
0822	Clear	+	Soluble	6	-	-	-	NF	None	None	Neutral
0823	Clear, pale/milky	+	Soluble	2	-	-	-	NF	None	None	Acid
0824	Clear, milky white	+	Soluble	6	+	-	-	NF	None	None	Neutral Oxidizer
0825	Clear, pale yellow	+, caustic	Soluble	13	-	-	-	NF	Orange	None	Base
0826	Turbid, milky brown/yellow	+, caustic	Soluble	12	-	-	-	NF	Orange	None	Base
0827	Clear, pale yellow	+	Soluble	9	-	-	-	NF	None	None	Neutral
0828	Clear, pale yellow	+	Soluble	8	-	-	-	NF	None	None	Neutral
0829	Clear, pale yellow	+	Soluble	8	-	-	-	NF	None	None	Neutral
0830	Clear	+	Soluble	9	-	-	-	NF	None	None	Neutral
0831	Clear, brown/orange	+	Soluble	10	+, reacts w/ acid	-	-	NF	None	None	Base Oxidizer

Table F-1

**HAZARD CATEGORIZATION DATA SUMMARY SHEET  
COLUMBIA AMERICAN PLATING  
PORTLAND, OREGON**

Container Number	Sample Description	Water Test (+/-, none, slight, delayed, caustic)	Water Solubility/Reactivity	pH	Oxidizer (+/-)	Sulfide (+/-)	Cyanide (+/-)	Flammability Range <sup>a</sup>	Beilstein Test (color)	Char Test (char/flam. vapors)	Hazard Category
0832	Clear	+	Soluble	5	-	-	-	NF	None	None	Acid
0833	Clear, brown/orange	+	Soluble	10	+, reacts w/ acid	-	+	NF	Orange	None	Base Cyanide Oxidizer
0834	Clear	+	Soluble	8	-	-	-	NF	None	None	Neutral
0835	Clear, yellow	+	Soluble	5	-	-	-	NF	None	None	Acid
0836	Clear, yellow	+	Soluble	9	-	-	-	NF	None	None	Neutral
0837	Clear	+	Soluble	9	-	-	-	NF	None	None	Neutral
0838	Clear, orange	+	Soluble	12	+, reacts w/ acid	-	+	NF	Orange	None	Base Cyanide Oxidizer
0839	Clear, yellow	+	Soluble	8	-	-	-	NF	None	None	Neutral
0840	Clear	+	Soluble	8	-	-	-	NF	None	None	Neutral
0841	Clear, brown	+	Soluble	9	-	-	-	NF	None	None	Neutral
0842	Clear	+	Soluble	8	-	-	-	NF	None	None	Neutral
0843	Clear, orange	+, caustic	Soluble	12	+, reacts w/ acid	-	+	NF	Orange	None	Base Cyanide Oxidizer
0844	Clear	+, caustic	Soluble	14	-	-	+	NF	None	None	Base Cyanide
0845	Clear	+	Soluble	8	-	-	+	NF	None	None	Neutral Cyanide
0846	Clear	+	Soluble	8	-	-	+	NF	None	None	Neutral Cyanide
0847	Clear	+	Soluble	6	-	-	+	NF	None	None	Neutral Cyanide
0848	Clear	+	Soluble	8	-	-	+	NF	None	None	Neutral Cyanide
0849	Clear	+	Soluble	8	-	-	+	NF	None	None	Neutral Cyanide
0850	Clear, brown/orange	+	Soluble	5	-	-	-	NF	None	None	Acid
0851	Clear, brown/orange	+	Soluble	5	-	-	-	NF	None	None	Acid
0852	Clear	+	Soluble	8	-	-	-	NF	None	None	Neutral
0853	Clear	+	Soluble	8	-	-	-	NF	None	None	Neutral
0854	Clear	+	Soluble	8	-	-	-	NF	None	None	Neutral
0855	Clear	+	Soluble	8	-	-	-	NF	None	None	Neutral
0856	Clear, pale yellow	+	Soluble	8	-	-	-	NF	None	None	Neutral
0857	Clear	+	Soluble	8	-	-	-	NF	None	None	Neutral
0858	Clear, pale yellow	+	Soluble	12	-, reacts w/ acid	-	+	NF	None	None	Base Cyanide Oxidizer
0859	Clear	+	Soluble	13	-, reacts w/ acid	-	+	NF	None	None	Base Cyanide Oxidizer
0860	Clear, pale yellow	+	Soluble	14	-	-	+	NF	None	None	Base Cyanide
0861	Clear, pale yellow	+, caustic	Soluble	12	-, reacts w/ acid	-	+	NF	Orange	None	Base Cyanide Oxidizer
0862	Clear	+, caustic	Soluble	13	-, reacts w/ acid	-	+	NF	None	None	Base Cyanide Oxidizer

Table F-1

**HAZARD CATEGORIZATION DATA SUMMARY SHEET  
COLUMBIA AMERICAN PLATING  
PORTLAND, OREGON**

Container Number	Sample Description	Water Test (+/-, none, slight, delayed, caustic)	Water Solubility/Reactivity	pH	Oxidizer (+/-)	Sulfide (+/-)	Cyanide (+/-)	Flammability Range <sup>a</sup>	Beilstein Test (color)	Char Test (char/flam. vapors)	Hazard Category
0863	Clear, pale yellow	+, caustic	Soluble	12	-	-	+	NF	None	None	Base Cyanide
0864	Clear	+, caustic	Soluble	13	-, reacts w/ acid	-	+	NF	None	None	Base Cyanide Oxidizer
0865	Clear, brown/orange	+, caustic	Soluble	10	-, reacts w/ acid	-	-	NF	None	None	Base Oxidizer
0866	Clear	+, caustic	Soluble	13	-, reacts w/ acid	-	+	NF	None	None	Base Cyanide Oxidizer
0867	Clear	+, caustic	Soluble	14	-, reacts w/ acid	-	+	NF	None	None	Base Cyanide Oxidizer
0868	Clear	+, caustic	Soluble	12	-, reacts w/ acid	-	+	NF	Orange	None	Base Oxidizer
0869	Clear	+, caustic	Soluble	13	-, reacts w/ acid	-	+	NF	None	None	Base Oxidizer
0870	Clear	+	Soluble	0	-	-	-	NF	None	None	Acid
0871	Clear, thick	-	Soluble	13-14	-, reacts w/ acid	-	-	NF	Orange	None	Base Oxidizer
0872	Clear	+, caustic	Soluble	13	+, reacts w/ acid	-	+	NF	None	None	Base Cyanide Oxidizer
0873	Clear, brown/orange	+	Soluble	11	-	-	-	NF	Orange	None	Base
0874	Clear	-	Soluble	14	-	-	-	NF	None	None	Base
0875	Turbid, milky white	+	Soluble	11	-	-	-	NF	None	None	Base
0876	Clear	+	Soluble	0	-	-	-	NF	None	None	Acid
0877	Clear	+	Soluble	1	+	-	-	NF	None	None	Acid Oxidizer
0878	Clear	+	Soluble	12	-	-	-	NF	None	None	Base
0879	Clear	-	Soluble	14	-	-	+	NF	None	None	Base Cyanide
0880	Clear	-	Soluble	13	-	-	+	NF	None	None	Base Cyanide
0881	Brown	-	Soluble	12	-	-	+	NF	None	None	Base Cyanide
0882	Clear	+	Soluble	13	-	-	+	NF	None	None	Base Cyanide
0883	Clear	+	Soluble	0	+	ND	-	NF	None	None	Acid Oxidizer
0884	Clear	+	Soluble	14	-	-	+	NF	None	None	Base Cyanide
0885	Clear, yellow	-	Soluble	14	-	-	+	NF	None	None	Base Cyanide
0886	Yellow	+	Soluble	6	-	-	+	NF	None	None	Neutral Cyanide
0887	Clear	+	Soluble	7	-	-	-	NF	None	None	Neutral
0888	Clear	-	Soluble	14	-	-	-	NF	None	None	Base
0889	Clear	+	Soluble	3	+	-	-	NF	None	None	Acid
0890	Dark blue	+	Soluble	1-3	-	-	-	NF	None	None	Acid
0891	Clear, pale yellow	+	Soluble	3	-	-	-	NF	Green	None	Acid
0892	Clear	+	Soluble	6	-	-	-	NF	None	None	Neutral

Table F-1

**HAZARD CATEGORIZATION DATA SUMMARY SHEET  
COLUMBIA AMERICAN PLATING  
PORTLAND, OREGON**

Container Number	Sample Description	Water Test (+/-, none, slight, delayed, caustic)	Water Solubility/Reactivity	pH	Oxidizer (+/-)	Sulfide (+/-)	Cyanide (+/-)	Flammability Range <sup>a</sup>	Beilstein Test (color)	Char Test (char/flam. vapors)	Hazard Category
0893	Clear	+	Soluble	4	+, reacts w/ acid	-	-	NF	None	None	Acid Oxidizer
0894	Clear	+	Soluble	3	-	-	-	NF	None	None	Acid
0895	Clear	+	Soluble	0	-	-	-	NF	None	None	Acid
0896	Clear	+	Soluble	10	-	-	-	Flammable	Orange/yellow	None	Base Flammable
0897	Clear, yellow	+, caustic	Soluble	14	-, reacts w/ acid	-	-	NF	None	None	Base Oxidizer
0898	Clear	+	Soluble	7	-	-	-	NF	None	None	Neutral
0899	Yellow/white solid	-	Soluble	7	-	-	-	NF	None	None	Neutral
0900	Clear	+	Soluble	4	-	-	-	NF	None	None	Acid
0901	Red	+	Soluble	ND	+	-	-	NF	None	None	Unknown Oxidizer
0902	Clear	+	Soluble	4	-	-	-	NF	None	None	Acid
0903	Orange	+	Soluble	ND	+	-	-	NF	None	None	Unknown Oxidizer
0904	Clear, faint orange	+	Soluble	4	-	-	-	NF	None	None	Acid
0905	Orange	+	Soluble	ND	+	-	-	NF	None	None	Unknown Oxidizer
0906	Clear	+	Soluble	0	-	-	-	NF	None	None	Acid
0907	Clear	+	Soluble	4	-	-	-	NF	None	None	Acid
0908	Orange tint	+	Soluble	0	-	-	-	NF	None	None	Acid
0909	Orange	+	Soluble	ND	+	-	-	NF	None	None	Unknown Oxidizer
0910	Clear	+	Soluble	6	+	-	-	NF	None	None	Neutral
0911	Clear	+	Soluble	4	-	-	-	NF	None	None	Acid
0912	Yellow tint	+	Soluble	3	-	-	-	NF	None	None	Acid
0913	Clear	+	Soluble	3	-	-	-	NF	None	None	Acid
0914	Clear	+	Soluble	0	-	-	slight	NF	None	None	Acid (possibly contains cyanide)
0915	Clear	+	Soluble	0	+	-	-	NF	None	None	Acid Oxidizer
0916	Clear	+	Soluble	3	-	-	-	NF	None	None	Acid
0917	Clear, brown	+	Soluble	4	-	-	-	NF	None	None	Acid
0918	Clear	+	Soluble	5	-	-	-	NF	None	None	Acid
0919	Not Hazcatted (solid material)										
0920	Clear, yellow	+	Soluble	1	+	-	-	NF	None	None	Acid Oxidizer
0921	Not Hazcatted (empty container)										
0922	Clear	+	Soluble	14	-	-	+	NF	None	None	Base Cyanide
0923	Turbid, purple	+	Soluble	6	+, reacts w/ acid	-	-	NF	None	None	Neutral
0924	Clear, brown/orange	+, caustic	Soluble	14	-	-	+	NF	None	None	Base Cyanide
0925	Clear	+	Soluble	1	-	-	-	NF	None	None	Acid
0926	Clear, brown/orange	+, caustic	Soluble	14	-	-	+	NF	None	None	Base Cyanide

Table F-1

**HAZARD CATEGORIZATION DATA SUMMARY SHEET**  
**COLUMBIA AMERICAN PLATING**  
**PORTLAND, OREGON**

Container Number	Sample Description	Water Test (+/-, none, slight, delayed, caustic)	Water Solubility/Reactivity	pH	Oxidizer (+/-)	Sulfide (+/-)	Cyanide (+/-)	Flammability Range <sup>a</sup>	Beilstein Test (color)	Char Test (char/flam. vapors)	Hazard Category
0927	Clear	+	Soluble	6	-	-	-	NF	None	None	Neutral
0928	Turbid, orange/brown	+, caustic	Soluble	12	-	-	-	NF	None	None	Base
0929	Thick purple/brown	-	Insoluble, floats	4-5	-	-	-	Flammable	Yellow	None	Acid Flammable
0930	Pale, turbid, yellow/orange	+, caustic	Soluble	11	-	-	-	NF	None	None	Base
0931	Clear, orange/red	+	Soluble	3	+	-	-	NF	None	None	Acid
0932	Clear	+	Soluble	4	-	-	-	NF	None	None	Acid
0933	Clear	+	Soluble	7	-	-	-	NF	None	None	Neutral
0934	Clear	+	Soluble	8	-	-	-	NF	None	None	Neutral
0935	Dark brown	+	Soluble	ND	+	-	-	NF	None	None	Unknown Oxidizer
0936	Clear, green	+	Soluble	1	-	-	-	NF	None	None	Acid
0937	Light orange	+	Soluble	0	+	-	-	NF	None	None	Acid Oxidizer
0938	Orange	+	Soluble	3	+	-	-	NF	None	None	Acid Oxidizer
0939	Red	+	Soluble	ND	+	-	-	NF	None	None	Unknown Oxidizer
0940	Clear	+	Soluble	5	-	-	-	NF	None	None	Acid
0941	Orange	+	Soluble	ND	+	ND	-	NF	None	ND	Unknown Oxidizer
0942	Clear	+	Soluble	4	-	ND	-	NF	None	ND	Acid
0943	Yellow	+, slight	Soluble	5	-	ND	-	NF	None	ND	Acid
0944	Clear	+	Soluble	4	-	ND	-	NF	None	ND	Acid
0945	Orange	+	Soluble	ND	-	ND	-	NF	None	ND	Unknown
0946	Pink (not clear)	+	Soluble	ND	+, slight	ND	-	NF	None	ND	Unknown Oxidizer
0947	Clear	+	Soluble	3	-	ND	-	NF	None	ND	Acid
0948	Clear	+	Soluble	4	+, reacts w/ acid	-	-	NF	None	None	Acid Oxidizer
0949	Clear, red/orange	+	Soluble	3	+, strong	-	-	NF	None	None	Acid Oxidizer
0950	Clear	+	Soluble	8-9	+, reacts w/ acid	-	-	NF	None	None	Neutral Oxidizer
0951	Clear, brown/orange	+	Soluble	5	-	-	-	NF	None	None	Acid
0952	Clear, orange	+	Soluble	0	+, strong	-	-	NF	Green	None	Acid Oxidizer
0953	Clear, orange/red	+	Soluble	3	+, strong	-	-	NF	None	None	Acid Oxidizer
0954	Clear, orange/red	+	Soluble	3	+, strong	-	-	NF	None	None	Acid Oxidizer
0955	Orange	+	Soluble	3	+, strong	-	-	NF	None	None	Acid Oxidizer
0956	Clear	+	Soluble	4	-	-	-	NF	None	None	Acid
0957	Clear, green	+	Soluble	0	-	-	-	NF	None	None	Acid
0958	Clear, orange	+	Soluble	4	+, strong	-	-	NF	None	None	Acid Oxidizer
0959	Clear, red/orange	+	Soluble	3	+	-	-	NF	None	None	Acid Oxidizer
0960	Clear, milky	+	Soluble	6	-	-	-	NF	None	None	Neutral

Table F-1

**HAZARD CATEGORIZATION DATA SUMMARY SHEET  
COLUMBIA AMERICAN PLATING  
PORTLAND, OREGON**

Container Number	Sample Description	Water Test (+/-, none, slight, delayed, caustic)	Water Solubility/Reactivity	pH	Oxidizer (+/-)	Sulfide (+/-)	Cyanide (+/-)	Flammability Range <sup>a</sup>	Beilstein Test (color)	Char Test (char/flam. vapors)	Hazard Category
0961	Clear, pale orange/yellow	+	Soluble	4	-	-	-	NF	None	None	Acid
0962	Milky, orange	+	Soluble	7	-	-	-	NF	None	None	Neutral
0963	Clear, orange	+	Soluble	1	+, weak after acid	-	-	NF	None	None	Acid Oxidizer
0964	Turbid, thick black	+	Soluble	>9	ND	-	-	NF	None	None	Base
0965	Clear, orange	+	Soluble	4	+, weak	-	-	NF	None	None	Acid Oxidizer
0966	Clear, brown/orange	+	Soluble	<5	+, strong	-	-	NF	None	None	Acid Oxidizer
0967	Turbid, milky white	+, caustic	Insoluble, reacts to form gel/white emulsion	14	-	-	-	NF	None	None	Base
0968	Clear	+	Soluble	7	-	-	-	NF	None	None	Neutral
0969	Clear	+	Soluble	11	-	-	-	NF	Green/orange	None	Base
0970	Clear, orange/brown	+	Soluble	3	+, weak after acid	-	-	NF	None	None	Acid Oxidizer
0971	Clear, pale yellow	+	Soluble	4	+, weak after acid	-	-	NF	None	None	Acid Oxidizer
0972	Clear, brown/orange	+	Soluble	6	-	-	-	NF	None	None	Neutral
0973	Clear, pale yellow/brown	+	Soluble	2	-	-	-	NF	None	None	Acid
0974	Clear, pale brown/pink	+	Soluble	7	-	-	-	NF	Orange	None	Neutral
0975	Clear, yellowish	+	Soluble	0	+, slight	-	-	NF	None	None	Acid Oxidizer
0976	Clear	+	Soluble	4	-	-	-	NF	Orange	None	Acid
0977	Clear	+	Soluble	4	-	-	-	NF	Orange	None	Acid
0978	Clear	+	Soluble	6	-	-	-	NF	None	None	Neutral
0979	Clear, brown	+, caustic	Soluble	14	-	-	+	NF	None	None	Base Cyanide
0980	Clear, yellowish	+	Soluble	5	-	-	-	NF	None	None	Acid
0981	Clear, yellowish	+	Soluble	5	-	-	-	NF	None	None	Acid
0982	Clear	+, caustic	Soluble	13	-	-	+	NF	None	None	Base Cyanide
0983	Clear, light green	+	Soluble	2	+, slight	-	-	NF	None	None	Acid Oxidizer
0984	Clear, light blue	+	Soluble	11	-	-	-	NF	None	None	Base
0985	Solid					-					Not Hazcatted
0986	Clear, brown/orange	+	Soluble	3	+, strong	-	-	NF	None	None	Acid Oxidizer
0987	Clear, brown/orange	+	Soluble	3	+, strong	-	-	NF	None	None	Acid Oxidizer
0988	Clear	+	Soluble	13	-	-	-	NF	None	None	Base
0989	Clear	+	Slightly soluble	<7	-	-	-	NF	None	None	Neutral

Table F-1

**HAZARD CATEGORIZATION DATA SUMMARY SHEET  
COLUMBIA AMERICAN PLATING  
PORTLAND, OREGON**

Container Number	Sample Description	Water Test (+/-, none, slight, delayed, caustic)	Water Solubility/ Reactivity	pH	Oxidizer (+/-)	Sulfide (+/-)	Cyanide (+/-)	Flammability Range <sup>a</sup>	Beilstein Test (color)	Char Test (char/flam. vapors)	Hazard Category
0990	Clear	+	Soluble	12-14	+, slight	-	ND	ND	ND	ND	Base
0991	Clear	+	Soluble	8	+, weak	-	-	NF	None	None	Neutral Oxidizer
0992	(top) Clear, orange/brown	-	Soluble	ND	-	-	-	Flammable	Yellow	None	Flammable
0993	Clear, orange/red	+	Soluble	7	-	-	-	NF	None	None	Neutral
0994	Clear, green	+	Soluble	12	-	-	+	NF	None	None	Base Cyanide
0995	Clear	+	Soluble	1	-	-	-	NF	None	None	Acid
0996	Clear, yellow	+, caustic	Soluble	12	-	-	-	NF	None	None	Base
0997	Clear, pale yellow	+, caustic	Soluble	13	-	-	-	NF	None	None	Base
0998	Clear	+, caustic	Soluble	12	+, slight	-	-	NF	None	None	Base Oxidizer
0999	Clear, thick, orange	-	Insoluble, reacts to form white emulsion that sinks	ND	-	-	-	Flammable	None	None	Flammable
1000	Clear	+	Soluble	11	-	-	-	NF	None	None	Base
1001	Black tar	-	Insoluble, sinks	ND	-	-	-	Combustible	None	Black tar	???
1002	Clear	+	Soluble	5	-	-	-	NF	None	None	Acid
1003	Clear, yellowish	+, caustic	Soluble	11	-	-	-	NF	None	None	Base
1004	Clear	+	Soluble	6	-	-	-	NF	None	None	Neutral
1005	Turbid, Orange	+, caustic	Soluble	12	+, slight	-	-	NF	None	None	Base Oxidizer
1006	Not Hazcatted (empty container)										
1007	Clear, yellow/brown	+	Soluble	8	-	-	-	NF	None	None	Neutral
1008	Clear, brown/orange	+	Soluble	12	+, slight	-	-	NF	None	None	Base Oxidizer
1009	Clear, blue	+	Soluble	1	+	-	-	NF	None	None	Acid Oxidizer
1010	Clear	-	Slightly soluble	14	-	-	-	NF	Orange	None	Base
1011	Clear	+	Soluble	7	-	-	-	NF	None	None	Neutral
1012	Clear, yellowish	+	Soluble	0	+, strong	-	-	NF	Green	None	Acid Oxidizer
1013	Clear	+	Soluble	5	-	-	-	NF	None	None	Acid
1014	Turbid, tan/brown	+, caustic	Soluble	13	-	-	-	NF	None	None	Base
1015	Clear, light blue	+	Soluble	9	-	-	-	NF	None	None	Neutral
1016	Clear	+	Soluble	5	-	-	-	NF	None	None	Acid
1017	Clear	+	Soluble	8	-	-	-	NF	None	None	Base
1018	Clear	+	Soluble	0	-	-	-	NF	None	None	Acid
1019	Clear, light yellow	+	Soluble	4	-	-	-	NF	None	White char	Acid
1020	Clear	+	Soluble	9	-	-	-	NF	None	None	Neutral
1021	Clear	+, caustic	Soluble	13	-	+, poss.	-	NF	None	None	Base
1022	Clear	+, caustic	Soluble	13	-	+, poss.	-	NF	None	None	Base
1023	Opaque, light green	+	Soluble	4	-	-	-	>200	None	Char	Acid Flammable



Table F-1

**HAZARD CATEGORIZATION DATA SUMMARY SHEET  
COLUMBIA AMERICAN PLATING  
PORTLAND, OREGON**

Container Number	Sample Description	Water Test (+/-, none, slight, delayed, caustic)	Water Solubility/Reactivity	pH	Oxidizer (+/-)	Sulfide (+/-)	Cyanide (+/-)	Flammability Range <sup>a</sup>	Beilstein Test (color)	Char Test (char/flam. vapors)	Hazard Category
1024	Clear, thick, orange	+	Slightly soluble, sinks	2	+	-	-	NF	None	None	Acid Oxidizer
1025	Not Hazcatted (empty container)										
1026	Clear	-	Soluble	1	-	-	-	>200	None	Char	Acid Flammable
1027	Clear	+	Soluble	5	-	-	-	NF	None	None	Acid
1028	Clear	+	Soluble	0-1	+	-	-	NF	Green	None	Acid Oxidizer
1029	Cloudy, thick, orange	+	Insoluble, reacts, floats	7	+	-	-	Flammable	None	None	Neutral Oxidizer
1030	Not Hazcatted (empty container)										
1031	Clear	+	Soluble	4	-	-	-	NF	None	None	Acid
1032	Clear, light green	+	Slightly soluble, sinks	11	+	-	Trace	NF	None	None	Base Cyanide Oxidizer
1033	Clear, light yellow	+	Soluble	10	+	-	-	NF	None	None	Base Oxidizer
1034	Not Hazcatted (empty container)										
1035	Clear, orange	+	Soluble	13	-	-	-	NF	None	None	Base
1036	Clear	+	Slightly soluble, sinks	11	-	-	-	NF	None	None	Base
1037	Clear	-	Insoluble, sinks	4	-	-	-	NF	None	None	Acid
1038	Clear, light orange	+	Soluble	10	-	-	-	NF	None	None	Base
1039	Clear, light green	+	Soluble	12	+	-	-	NF	None	None	Base Oxidizer
1040	Brown	-	Slightly soluble, floats	ND	-	-	-	Flammable	None	None	Unknown Flammable
1041	Clear, green	+	Slightly soluble, sinks	5	-	-	-	NF	None	Char, light green	Acid
1042	Clear, pale yellow/orange	+	Soluble	11	-	-	-	NF	None	None	Base
1043	Clear, yellow	+, caustic	Soluble	14	-	-	-	NF	None	None	Base
1044	Clear	+	Soluble	6	-	-	-	NF	None	None	Neutral
1045	Turbid, pale orange/brown	-	Insoluble, floats	7	-	-	-	Flammable	Yellow	None	Neutral Flammable
1046	Brown	-	Insoluble, floats	6	-	-	-	Flammable	Orange	Char, vapors ignite	Neutral Flammable
1047	Green	+	Soluble	1	-	-	-	NF	None	Inorganic	Acid
1048	Yellow solid	NA	Soluble	14	-	-	-	NF	None	None	Base
1049	Clear, pale yellow	+, caustic	Soluble	12	-	-	+	NF	None	None	Base Cyanide
1050	Clear	+	Soluble	10	+, weak	-	+, weak	NF	None	None	Base Cyanide Oxidizer
1051	Clear	+	Soluble	7	-	-	-	NF	None	None	Neutral

Table F-1

**HAZARD CATEGORIZATION DATA SUMMARY SHEET  
COLUMBIA AMERICAN PLATING  
PORTLAND, OREGON**

Container Number	Sample Description	Water Test (+/-, none, slight, delayed, caustic)	Water Solubility/Reactivity	pH	Oxidizer (+/-)	Sulfide (+/-)	Cyanide (+/-)	Flammability Range <sup>a</sup>	Beilstein Test (color)	Char Test (char/flam. vapors)	Hazard Category
1052	Clear	+	Soluble	12	-	-	-	NF	None	None	Base
1053	Clear	+	Soluble	5	-	-	-	NF	None	None	Acid
1054	Clear, yellow	+	Soluble	10	-	-	-	NF	None	None	Base
1055	Opaque	+	Soluble	10	-	-	-	NF	None	None	Base
1056	Clear	+	Soluble	10	-	-	-	NF	None	None	Base
1057	White	+	Soluble	ND	-	-	-	NF	None	None	Unknown
1058	Clear	+	Soluble	5	-	-	-	NF	None	None	Acid
1059	Clear	+	Soluble	9	-	-	-	NF	None	None	Neutral
1060	Clear, green	+	Soluble	10	-	-	-	NF	None	None	Base
1061	Clear, green	+	Soluble	8	-	-	-	NF	None	None	Neutral
1062	Clear	+	Soluble	6	-	-	-	NF	None	None	Neutral
1063	Clear	+	Soluble	7	-	-	-	NF	None	None	Neutral
1064	Clear, blue	+	Soluble	12	-	-	-	NF	None	None	Base
1065	Clear	+	Soluble	2	-	-	-	NF	None	None	Acid
1066	Clear	+	Soluble	5	-	-	-	NF	None	None	Acid
1067	Clear	+	Soluble	4	-	-	-	NF	None	None	Acid
1068	Clear, yellow	+	Soluble	10	+	-	-	NF	None	None	Base Oxidizer
1069	Clear	+	Soluble	7	-	-	-	NF	None	None	Neutral
1070	Clear, orange	+	Soluble	7	-	-	-	NF	None	None	Neutral
1071	Clear, viscous	+	Soluble	4	-	-	-	>200	None	None	Acid Flammable
1072	Clear, pale orange	+	Soluble	7	+, slight	-	-	NF	None	None	Neutral Oxidizer
1073	Clear, viscous	+	Soluble	7	-	-	-	>200	Orange	Char	Neutral Flammable
1074	Clear	+	Soluble	6	-	-	-	NF	None	None	Neutral
1075	Clear, pale orange/brown	+	Soluble	11	+	-	-	NF	None	None	Base Oxidizer
1076	Solid, brown	+	Slightly soluble	9	+	-	-	NF	None	None	Neutral Oxidizer
1077	Clear	+, caustic	Soluble	14	-	-	-	NF	None	None	Base
1078	Clear, yellow	+	Soluble	11	+	-	-	NF	None	None	Base Oxidizer
1079	Clear	+, caustic	Soluble	13	-	-	-	NF	None	None	Base
1080	Clear	+, caustic	Soluble	12	-	-	-	NF	None	None	Base
1081	Clear	+	Soluble	7	-	-	-	NF	None	None	Neutral
1082	Clear, green	+	Soluble	1	+	-	-	NF	None	None	Acid
1083	Clear	+	Soluble	7	-	-	-	NF	None	None	Neutral
1084	Clear	+	Soluble	11	ND	ND	-	NF	None	None	Base
1085	Clear	+	Soluble	12	-	-	-	NF	None	None	Base
1086	Clear, green	+	Soluble	1	+	ND	-	NF	None	None	Acid Oxidizer
1087	Clear	+	Soluble	5	-	-	-	NF	None	None	Acid
1088	Clear, green	+	Soluble	1	+	-	-	NF	None	None	Acid Oxidizer

Table F-1

**HAZARD CATEGORIZATION DATA SUMMARY SHEET**  
**COLUMBIA AMERICAN PLATING**  
**PORTLAND, OREGON**

Container Number	Sample Description	Water Test (+/-, none, slight, delayed, caustic)	Water Solubility/ Reactivity	pH	Oxidizer (+/-)	Sulfide (+/-)	Cyanide (+/-)	Flammability Range <sup>a</sup>	Beilstein Test (color)	Char Test (char/flam. vapors)	Hazard Category
1089	Clear	+	Soluble	3	-	-	-	NF	None	None	Acid
1090	Not Hazcatted (factory sealed; identified as Phipps Inhibitor Icing Fuel)										
1091	Clear	+	Soluble	6	-	-	-	NF	None	None	Neutral
1092	Not Hazcatted (factory sealed; identified as Phipps Inhibitor Icing Fuel)										
1093	Not Hazcatted (factory sealed; identified as Phipps Inhibitor Icing Fuel)										
1094	Clear	+	Soluble	7	-	-	-	>200	Orange	Char	Neutral Flammable
1095	Yellow/orange	-	Soluble	7	-	-	-	NF	None	None	Neutral
1096	Clear, green	+	Soluble	2	-	-	-	NF	None	None	Acid
1097	Clear, blue	+	Soluble	2	+	ND	-	NF	None	None	Acid Oxidizer
1098	Clear, blue	+	Soluble	2	+	ND	-	NF	None	None	Acid Oxidizer
1099	Clear	+	Soluble	4	-	-	-	NF	None	None	Acid
1100	Clear	+	Soluble	0	-	-	-	NF	None	None	Acid
1101	Clear, thick	-	Slightly soluble	6	-	-	-	NF	None	None	Neutral
1102	Clear	+	Soluble	5	-	-	-	NF	None	None	Acid
1103	Clear, pale gray	+	Soluble	0	+	-	-	NF	None	None	Acid Oxidizer
1104	Clear, yellow	+	Soluble	0	+	-	-	NF	None	None	Acid Oxidizer
1105	Clear	+, caustic	Soluble	13	+	-	-	NF	None	None	Base Oxidizer
1106	Clear, blue	+, caustic	Soluble	12	+, slight	-	-	NF	None	None	Base Oxidizer
1107	Turbid, dark blue/black	+	Soluble	1	-	-	-	NF	None	None	Acid
1108	Clear, red/orange	+	Soluble	1-3	+, strong	-	-	NF	None	None	Acid Oxidizer
1109	Clear, viscous	+	Soluble	4	-	-	-	>200	Orange	Char	Acid Flammable
1110	Clear	+	Soluble	8	-	-	-	NF	None	None	Neutral
1111	Clear	+	Soluble	3	+, slight	-	-	NF	None	None	Acid Oxidizer
1112	Clear, pale gray	+	Soluble	0	+, slight	-	-	NF	None	None	Acid Oxidizer
1113	Clear	+	Soluble	0	+, slight	-	-	NF	None	None	Acid Oxidizer
1114	Clear, viscous	+	Soluble	4	-	-	-	>200	Orange	Slight Char	Acid Flammable
1115	Clear	+	Soluble	7	-	-	-	NF	None	None	Neutral
1116	Clear, milky white	+	Soluble	2	-	-	-	NF	None	None	Acid
1117	Clear	+	Soluble	0	+, strong	-	-	NF	None	None	Acid Oxidizer
1118	Dark brown	+	Soluble	0	-	-	-	NF	None	None	Acid
1119	Solid, orange	+	Soluble	12	-	-	-	NF	None	None	Base
1120	Blue	+	Soluble	1	+	-	-	NF	None	None	Acid Oxidizer
1121	Clear	+	Soluble	4	-	-	-	NF	None	None	Acid
1122	Clear	+	Soluble	4	-	-	-	NF	None	None	Acid
1123	Clear, green	+	Soluble	7	-	-	-	NF	None	None	Neutral
1124	Clear, orange	+	Soluble	3	+	-	-	NF	None	None	Acid Oxidizer
1125	Not Hazcatted (factory sealed; identified as Unichrome 1120 Dip Compound)										

Table F-1

**HAZARD CATEGORIZATION DATA SUMMARY SHEET**  
**COLUMBIA AMERICAN PLATING**  
**PORTLAND, OREGON**

Container Number	Sample Description	Water Test (+/-, none, slight, delayed, caustic)	Water Solubility/ Reactivity	pH	Oxidizer (+/-)	Sulfide (+/-)	Cyanide (+/-)	Flammability Range <sup>a</sup>	Beilstein Test (color)	Char Test (char/flam. vapors)	Hazard Category
1126	Not Hazcatted (factory sealed; identified as Unichrome 1120 Dip Compound)										
1127	Clear	+	Soluble	5	-	-	-	NF	None	None	Acid
1128	Clear	+	Soluble	4	-	-	-	NF	None	None	Acid
1129	Clear	+	Soluble	1	-	-	-	NF	None	None	Acid
1130	Clear	+	Soluble	0	+	-	-	NF	None	None	Acid Oxidizer
1131	Clear	+	Soluble	0	+	-	-	NF	None	None	Acid Oxidizer
1132	Opaque, light yellow	-	Soluble	5	-	-	-	>200	None	Char	Acid Flammable
1133	Clear	+	Soluble	8	-	-	-	NF	None	None	Base
1134	Clear, green	+	Soluble	1	+	-	-	NF	None	None	Acid Oxidizer
1135	Clear	+	Soluble	0	+	-	-	NF	None	None	Acid Oxidizer
1136	Clear	+	Soluble	0	+	-	-	NF	None	None	Acid Oxidizer
1137	Clear, dark blue/black	+	Soluble	1-2	-	-	-	NF	None	None	Acid
1138	Clear, green	+, slight	Soluble	11	-	-	-	NF	None	None	Base
1139	Clear, green	+, slight	Soluble	11	-	-	-	NF	None	None	Base
1140	Thick, milky white	-	Insoluble	7	-	-	-	NF	None	None	Neutral
1141	Clear, gel	-	Insoluble	7	-	-	-	NF	None	None	Neutral
1142	Not Hazcatted (not labeled; semi-solid gelatin, looks like congealed grease)										
1143	White crystals	-	Forms gel	7	-	-	-	NF	None	None	Neutral
1144	Clear, green, syrupy	-	Insoluble	5	-	-	-	NF	None	None	Acid
1145	Clear, yellow	-	Insoluble, floats	6	-	-	-	Flammable	None	None	Neutral Flammable
1146	Clear, yellow	+	Soluble	9	+, weak	-	-	NF	None	None	Neutral Oxidizer
1147	Clear, orange/brown	+	Soluble	3-4	+, slight	-	-	NF	None	None	Acid Oxidizer
1148	Clear	+	Soluble	7	-	-	-	NF	None	None	Neutral
1149	Clear, red/brown	+	Soluble	1	+, slight	-	-	NF	None	None	Acid Oxidizer
1150	Clear, olive green	+	Soluble	0	+, strong	-	-	NF	None	None	Acid Oxidizer
1151	Clear, brown	+	Soluble	7	+, weak	-	-	NF	None	None	Neutral Oxidizer
1152	Clear	+	Soluble	7	-	-	-	NF	None	None	Neutral
1153	Clear, orange	-	Soluble	7	-	-	-	NF	None	None	Neutral
1154	Not Hazcatted (solid material; identified as Sherwin Williams Chemical Coating; flammable)										
1155	Not Hazcatted (material solidified; identified as Lily Surfacing Agent UN1139, flammable)										
1156	Clear	+	Soluble	5	-	-	-	NF	None	None	Acid
1157	Opaque	+	Soluble	6	-	-	-	NF	None	None	Neutral
1158	Not Hazcatted (material solidified; identified as Finishing Resin, flammable)										
1159	Clear	-	Soluble	6	-	-	-	NF	None	None	Neutral
1160	Clear	+	Soluble	6	-	-	-	NF	None	None	Neutral
1161	Not Hazcatted (solid material; identified as "primer", combustible)										
1162	Viscous, green	-	Insoluble	ND	-	-	-	<140	None	None	Flammable
1163	Not Hazcatted (solid material; identified as "petroleum distillate", combustible)										

Table F-1

**HAZARD CATEGORIZATION DATA SUMMARY SHEET  
COLUMBIA AMERICAN PLATING  
PORTLAND, OREGON**

Container Number	Sample Description	Water Test (+/-, none, slight, delayed, caustic)	Water Solubility/ Reactivity	pH	Oxidizer (+/-)	Sulfide (+/-)	Cyanide (+/-)	Flammability Range <sup>a</sup>	Beilstein Test (color)	Char Test (char/flam. vapors)	Hazard Category
1164	Viscous, red	-	Insoluble	ND	-	-	-	<140	None	None	Flammable
1165	Viscous, orange	-	Insoluble	ND	-	-	-	<140	None	None	Flammable
1166	Clear	-	Insoluble	5	-	-	-	NF	None	None	Acid
1167	Clear, w/ oil	+	Soluble	6	-	-	-	NF	None	None	Neutral
1168	Viscous, orange	+	Soluble	ND	-	-	-	140-200	None	None	Flammable
1169	Clear	+	Soluble	7	-	-	-	NF	None	None	Neutral
1170	Clear, orange tint	-	Soluble	5	-	-	-	NF	None	None	Acid
1171	Not Hazcatted (identified as hardened resin)										
1172	Not Hazcatted (empty container; identified as solvent)										
1173	Not Hazcatted (insufficient sample quantity available)										
1174	Viscous, dark	-	Insoluble	ND	-	-	-	<140	Green	None	Flammable
1175	Not Hazcatted (factory sealed; identified as "Wet Patch Roof Cement", combustible)										
1176	Clear	+	Soluble	5	-	-	-	NF	None	None	Acid
1177	Not Hazcatted (factory sealed; identified as Asphalt Roof Coating, combustible)										
1178	Not Hazcatted (factory sealed; identified as Plastic Roof Cement)										
1179	Not Hazcatted (factory sealed; identified as Asphalt Roof Coating, combustible)										
1180	Not Hazcatted (factory sealed; identified as Asphalt Roof Coating, combustible)										
1181	Not Hazcatted (factory sealed; identified as Asphalt Roof Coating, combustible)										
1182	Clear, yellowish	+	Soluble	7	-	-	-	NF	None	None	Neutral
1183	Clear, red/brown	+	Soluble	3-4	-	-	-	NF	None	None	Acid
1184	Clear	+	Soluble	3	-	-	-	NF	None	None	Acid
1185	Clear	+	Soluble	11-12	-	-	-	NF	None	None	Base
1186	Clear, green	+	Soluble	0	+, slight	-	-	NF	None	Thick, white char	Acid Oxidizer
1187	Clear, green	+	Soluble	0	-	-	-	NF	None	None	Acid
1188	Clear, orange/red	+	Soluble	3	+, strong	-	-	NF	None	None	Acid Oxidizer
1189	Clear	+	Soluble	4	+, slight	-	-	NF	None	None	Acid Oxidizer
1190	Clear, red/orange	+	Soluble	3	+, strong	-	-	NF	None	None	Acid Oxidizer
1191	Green	+	Soluble	1	-	-	-	NF	None	None	Acid
1192	Brown	+	Soluble	7	-	-	-	NF	None	None	Neutral
1193	Clear, pale green	+	Soluble	0	+, strong	-	-	NF	Green	None	Acid Oxidizer
1194	Not Hazcatted (empty container)										
1195	Clear	+	Soluble	6	-	-	-	NF	None	None	Neutral
1196	Turbid, brown/orange	+, caustic	Soluble	12	+, slight	-	+, slight	NF	None	None	Base Cyanide Oxidizer
1197	Clear	+	Soluble	5	-	-	-	NF	None	None	Acid
1198	Clear, colorless	+	Soluble	9	-	-	-	NF	None	None	Neutral
1199	Clear, dark yellow	+, caustic	Soluble	12	-	-	-	NF	Sodium	Char	Base

Table F-1

**HAZARD CATEGORIZATION DATA SUMMARY SHEET  
COLUMBIA AMERICAN PLATING  
PORTLAND, OREGON**

Container Number	Sample Description	Water Test (+/-, none, slight, delayed, caustic)	Water Solubility/Reactivity	pH	Oxidizer (+/-)	Sulfide (+/-)	Cyanide (+/-)	Flammability Range <sup>a</sup>	Beilstein Test (color)	Char Test (char/flam. vapors)	Hazard Category
1200	Clear, colorless	+	ND	4	-	-	-	NF	None	None	Acid
1201	Clear, bright yellow	+	Soluble	0	+	-	-	NF	None	Copper coating	Acid Oxidizer
1202	Thick, cloudy, light brown	-	Insoluble, sinks	13	-	-	+	NF	Sodium	Char	Base Cyanide
1203	Clear, green	+	Slightly soluble, sinks	4	-	-	-	NF	None	None	Acid
1204	Clear, colorless	+	Soluble	7	-	-	-	NF	None	Black char	Neutral
1205	Clear, colorless	+	Soluble	5	-	-	-	NF	None	None	Acid
1206	Clear, brown	+	Slightly soluble, sinks	5	-	-	-	NF	None	None	Acid
1207	Clear, yellow	-	Insoluble, sinks	14	-	-	+	NF	None	Black char	Base Cyanide
1208	Clear, light yellow	+, caustic	Slightly soluble, sinks	14	-	-	+	NF	None	None	Base Cyanide
1209	Clear, colorless	+	Soluble	11	-	-	+	NF	None	None	Base Cyanide
1210	Clear, colorless	+	Soluble	10	-	-	+	NF	None	Black char	Base Cyanide
1211	Thick, cloudy, light brown/yellow	-	Insoluble, sinks	13	-	-	+	NF	None	None	Base Cyanide
1212	Clear, blue	+	Soluble	0	-	-	-	NF	None	Inorganic	Acid
1213	Yellow	+	Soluble	0	-	-	-	NF	None	Inorganic	Acid
1214	Thick, brownish	+	Soluble	11	+	-	-	100-140	None	None	Base Oxidizer Flammable
1215	Clear	+	Soluble	6	-	-	-	NF	None	Inorganic	Neutral
1216	Clear	+	Soluble	13	+	-	-	NF	None	Inorganic	Base Oxidizer
1217	Clear	+	Soluble	7	-	-	-	NF	None	Inorganic	Neutral
1218	Clear	+	Soluble	1	-	-	-	NF	None	Inorganic	Acid
1219	Clear	+	Soluble	9	-	-	-	NF	None	Inorganic	Neutral
1220	Brownish	+	Soluble	7	-	-	-	NF	None	Inorganic	Neutral
1221	Thick, reddish	+	Insoluble	7	-	-	-	NF	None	Inorganic	Neutral
1222	Blue	+	Soluble	0	-	-	-	NF	None	Inorganic	Acid
1223	Not Hazcatted (solid material; labeled "Ultra Light 770 Coating")										
1224	Not Hazcatted (solid material; no markings)										
1225	Not Hazcatted (solid material; hand written: "Zn Sludge")										
1226	Not Hazcatted (solid material; hand written: "Zn Sludge")										
1227	Clear	+	Soluble	4	-	-	-	>200	None	None	Acid Flammable
1228	Not Hazcatted (solid material; hand written: "Zn Sludge")										
1229	Clear, colorless, fuming	Unknown	Unknown	14	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Base

Table F-1

**HAZARD CATEGORIZATION DATA SUMMARY SHEET  
COLUMBIA AMERICAN PLATING  
PORTLAND, OREGON**

Container Number	Sample Description	Water Test (+/-, none, slight, delayed, caustic)	Water Solubility/Reactivity	pH	Oxidizer (+/-)	Sulfide (+/-)	Cyanide (+/-)	Flammability Range <sup>a</sup>	Beilstein Test (color)	Char Test (char/flam. vapors)	Hazard Category
1230	Not Hazcatted (solid material; hand written: "Zn Sludge")										
1231	Clear, colorless	+	Slightly soluble, sinks	8	-	-	-	NF	None	None	Neutral
1232	Thick, cloudy, orange/brown	-	Insoluble, floats	5	-	-	-	Flammable	None	None	Acid Flammable
1233	Not Hazcatted (solid material; hand written: "Cu Sludge")										
1234	Not Hazcatted (solid material; labeled as "ElastoBlack 297 Roof Coating")										
1235	Not Hazcatted (solid material; hand written: "Cu Sludge")										
1236	Clear, thick, dark green/blue	ND	Soluble	1	-	ND	-	NF	None	None	Acid
1237	Clear, colorless	+	Soluble	4	+	-	-	NF	None	Green char	Acid Oxidizer
1238	Clear, colorless	+	Soluble	4	-	-	-	NF	None	None	Acid
1239	Cloudy, purple	+	Soluble	0	+	-	-	NF	None	None	Acid Oxidizer
1240	Clear, brown (evaporates quickly)	ND	Soluble	2	+	ND	-	NF	None	Black char	Acid Oxidizer
1241	Clear, colorless	+	Soluble	4	-	-	-	NF	None	Black char	Acid
1242	Clear, colorless (evaporates quickly)	+	Soluble	10	+	-	-	NF	None	White char	Base Oxidizer
1243	Clear, pink	+	Soluble	4	-	-	-	NF	None	None	Acid
1244	Clear, yellow	+	Soluble	1	+, weak	-	-	NF	None	None	Acid Oxidizer
1245	Clear, orange	+	Soluble	4	-	-	-	NF	None	None	Acid
1246	Clear, colorless	+	Soluble	1	-	-	-	NF	None	None	Acid
1247	Clear, orange/yellow	+	Soluble	2	-	-	-	NF	None	None	Acid
1248	Clear	+	Insoluble	7	-	-	-	NF	None	Inorganic	Neutral
1249	Yellow	+	Soluble	1	-	-	-	NF	None	Inorganic	Acid
1250	Clear	+	Soluble	7	-	-	-	NF	None	Inorganic	Neutral
1251	Purple	+	Soluble	7	-	-	-	NF	None	Inorganic	Neutral
1252	Brown	+	Soluble	1	-	-	-	NF	None	None	Acid
1253	Clear	+	Soluble	7	-	-	-	NF	None	Inorganic	Neutral
1254	Clear	+	Soluble	7	-	-	-	NF	None	Inorganic	Neutral
1255	Peach	+	Soluble	1	-	-	-	NF	None	Inorganic	Acid
1256	Blue	+	Soluble	1	-	-	-	NF	Green	Inorganic	Acid
1257	Dark black	+	Soluble	4	-	-	-	NF	None	Inorganic	Acid
1258	Clear	+	Soluble	1	-	-	-	NF	None	Inorganic	Acid
1259	Clear, green	+	Soluble	4	-	-	-	NF	None	Inorganic	Acid
1260	Green	+	Soluble	0	-	-	-	NF	None	Inorganic	Acid
1261	Brownish	+	Soluble	7	-	-	-	NF	None	Inorganic	Neutral
1262	Brownish	+	Soluble	7	-	-	-	NF	None	Inorganic	Neutral

Table F-1

**HAZARD CATEGORIZATION DATA SUMMARY SHEET  
COLUMBIA AMERICAN PLATING  
PORTLAND, OREGON**

Container Number	Sample Description	Water Test (+/-, none, slight, delayed, caustic)	Water Solubility/ Reactivity	pH	Oxidizer (+/-)	Sulfide (+/-)	Cyanide (+/-)	Flammability Range <sup>a</sup>	Beilstein Test (color)	Char Test (char/flam. vapors)	Hazard Category
1263	Dark brown/orange	+	Soluble	7	-	-	-	NF	None	Inorganic	Neutral
1264	Green	+	Soluble	1	-	-	-	NF	None	Inorganic	Acid
1265	Clear	+	Soluble	0	-	-	-	NF	None	Inorganic	Acid
1266	Clear	+	Soluble	0	-	-	-	NF	None	Inorganic	Acid
1267	Orange	+	Soluble	4	-	-	-	NF	None	Inorganic	Acid
1268	Dark green	+	Soluble	0	-	-	-	NF	None	Inorganic	Acid
1269	Clear	+	Soluble	4	-	-	-	NF	None	Inorganic	Acid
1270	Murky	+	Soluble	12	+	-	-	100-140	None	Char	Base Oxidizer Flammable
1271	Clear	+	Soluble	13	-	-	-	NF	None	Inorganic	Base
1272	Clear	+	Soluble	0	-	-	-	NF	None	Inorganic	Acid
1273	Greenish	+	Soluble	0	-	-	-	NF	None	Inorganic	Acid
1274	Clear	+	Soluble	6	+	-	-	NF	None	Inorganic	Neutral Oxidizer
1275	Purple	+	Soluble	7	-	-	-	NF	None	Inorganic	Neutral
1276	Clear, thick, colorless	-	Soluble, reactive/ exothermic	0	+, strong	-	-	NF	None	Green char	Acid Oxidizer
1277	Clear, dark purple	ND	Soluble	3	-	-	-	NF	None	None	Acid
1278	Clear, light orange	+	Soluble	4	-	-	-	NF	None	None	Acid
1279	Clear, light green	+	Insoluble, sinks	1	+, strong	-	-	NF	None	Black char	Acid Oxidizer
1280	Clear, light yellow/brown	+	Soluble	1	-	-	-	NF	None	None	Acid
1281	Clear, colorless	+	Soluble	1	-	-	-	NF	None	Gray char	Acid
1282	Clear, colorless	+	Soluble	2	-	-	-	Combustible	None	None	Acid Flammable
1283	Clear, orange/yellow	+	Soluble	1	-	-	-	NF	None	Black char	Acid
1284	Clear, yellow	+, caustic	Soluble	14	-, reacts w/ acid	-	+	NF	None	None	Base Cyanide Oxidizer
1285	Clear, colorless	+, slight	Soluble, reactive/ exothermic	0	+, strong	-	-	NF	None	None	Acid Oxidizer
1286	Thick, cloudy, white	+	Soluble	3	-	-	-	NF	None	Gray/green char	Acid
1287	Clear, light brown	+, slight	Soluble, reactive/ exothermic	0	+	-	-	NF	None	None	Acid Oxidizer
1288	Clear, yellow	+	Soluble	1	-	-	-	NF	None	White char	Acid
1289	Clear, green	+	Soluble	0	-	-	-	NF	None	Gray char	Acid
1290	Not Hazcatted (factory sealed; identified as electropolish solution, corrosive)										
1291	Thick, brown	+, slight	Soluble	7	-	-	-	NF	None	Inorganic	Neutral
1292	Clear	-	Soluble	7	-	-	-	NF	None	Inorganic	Neutral
1293	Not Hazcatted (solid material; no label)										



Table F-1

**HAZARD CATEGORIZATION DATA SUMMARY SHEET**  
**COLUMBIA AMERICAN PLATING**  
**PORTLAND, OREGON**

Container Number	Sample Description	Water Test (+/-, none, slight, delayed, caustic)	Water Solubility/ Reactivity	pH	Oxidizer (+/-)	Sulfide (+/-)	Cyanide (+/-)	Flammability Range <sup>a</sup>	Beilstein Test (color)	Char Test (char/flam. vapors)	Hazard Category
1294	Clear	+	Soluble	4	-	-	-	NF	None	Inorganic	Acid
1295	Green	+	Soluble	1	-	-	-	NF	None	Inorganic	Acid
1296	Clear, white	+	Soluble	2	-	-	-	NF	None	Inorganic	Acid
1297	Clear, white	+	Soluble	2	-	-	-	NF	None	Inorganic	Acid
1298	Clear, orange	+	Soluble	4	-	-	-	NF	None	Inorganic	Acid
1299	Not Hazcatted (empty container; no markings)										
1300	Clear	+	Soluble	7	-	-	-	NF	None	Inorganic	Neutral
1301	Thick, dark black	-	Soluble	4	-	-	-	NF	None	Tar residue	Acid
1302	Orange	+	Soluble	7	-	-	-	NF	None	Inorganic	Neutral
1303	Clear	+	Soluble	1	-	-	-	NF	None	Inorganic	Acid
1304	Clear, blue	+	Soluble	1	-	-	-	NF	None	Inorganic	Acid
1305	Clear	+	Soluble	1	-	-	-	NF	None	Inorganic	Acid
1306	Clear, light blue	+	Soluble	1	+	-	-	NF	None	Light blue char	Acid Oxidizer
1307	Clear, colorless	+	Soluble	9	-	-	-	NF	None	None	Neutral
1308	Clear, colorless	+	Soluble	9	-	-	-	NF	None	None	Neutral
1309	Clear, colorless	+	Soluble, reacts w/ water	5	+	-	-	NF	None	None	Acid Oxidizer
1310	Clear, dark green	+	Soluble, reactive/ exothermic	1	+	-	-	NF	None	Blue/gray char	Acid Oxidizer
1311	Clear, light brown	+	Soluble	8	-	-	-	NF	None	None	Neutral
1312	Clear, light brown	+	Soluble	8	-	-	-	NF	None	None	Neutral
1313	Clear, colorless	+	Soluble	1	+	-	-	NF	None	None	Acid Oxidizer
1314	Turbid, cloudy, dark green	+	Soluble	0	+, strong	-	-	NF	None	Black char	Acid Oxidizer
1315	Clear, yellow	+	Soluble	10	+, reacts w/ acid	-	+	NF	None	None	Base Cyanide Oxidizer
1316	Cloudy, colorless	+	Soluble	4	-	-	-	NF	None	Combustible white char	Acid
1317	Clear, yellow	+, caustic	Soluble	13	-	-	-	NF	None	None	Base
1318	Clear, brown	-	Soluble	10	-, reacts w/ acid	-	-	NF	None	Black char	Base
1319	Clear, brown	+	Soluble	1	+	-	-	NF	None	Black char	Acid
1320	Cloudy, cream	+	Soluble	0	-	-	-	NF	None	None	Acid
1321	Clear, brown	+	Soluble	7	+	-	-	NF	None	Black char	Neutral Oxidizer
1322	Turbid, cloudy, dark green	+	Soluble	1	+	-	-	NF	None	None	Acid Oxidizer
1323	Clear, brown	+	Soluble	2	+	-	-	NF	None	None	Acid Oxidizer

Table F-1

**HAZARD CATEGORIZATION DATA SUMMARY SHEET  
COLUMBIA AMERICAN PLATING  
PORTLAND, OREGON**

Container Number	Sample Description	Water Test (+/-, none, slight, delayed, caustic)	Water Solubility/Reactivity	pH	Oxidizer (+/-)	Sulfide (+/-)	Cyanide (+/-)	Flammability Range <sup>a</sup>	Beilstein Test (color)	Char Test (char/flam. vapors)	Hazard Category
1324	Clear, turbid, brown	+	Soluble	1	+	-	-	NF	None	Black char	Acid Oxidizer
1325	Clear, colorless	+	Soluble	1	-	-	-	NF	None	White char	Acid
1326	Clear, brown	+	Soluble	0	+	-	-	NF	None	None	Acid Oxidizer
1327	Clear, brown	+	Soluble	2	+	-	-	NF	None	None	Acid Oxidizer
1328	Clear, yellow/orange	+	Soluble	8-9	+	-	-	NF	None	None	Neutral Oxidizer
1329	Clear, brown	+	Soluble	1	+	-	-	NF	None	None	Acid Oxidizer
1330	Clear, brown	+	Soluble	1	+	-	-	NF	None	None	Acid Oxidizer
1331	Clear	+	Soluble	5	-	-	-	NF	None	None	Acid
1332	Clear	+	Soluble	4	-	-	-	NF	None	None	Acid
1333	Clear	+	Soluble	4-5	-	-	-	NF	None	None	Acid
1334	Clear, yellow/orange	+, caustic	Soluble	12	+, weak w/ acid	-	-	NF	None	None	Base Oxidizer
1335	Clear	+	Soluble	4-5	-	-	-	NF	None	None	Acid
1336	Turbid, green	+	Soluble	5	-	-	-	NF	Green	White/green char	Acid
1337	Clear	+	Soluble	4-5	-	-	-	NF	None	None	Acid
1338	Clear, green	+	Soluble	1	+	-	-	NF	None	None	Acid Oxidizer
1339	Clear	+	Soluble	7	+, slight w/ acid	-	-	NF	None	None	Neutral Oxidizer
1340	Clear, orange	+, caustic	Soluble	12	+, weak w/ acid	-	-	NF	Orange	None	Base Oxidizer
1341	Clear, milky	+	Soluble	7	-	-	-	NF	None	None	Neutral
1342	Clear	+	Soluble	8	-	-	-	NF	None	None	Neutral
1343	Thick, brown, oily	+	Slightly soluble	7	-	-	-	NF	None	None	Neutral
1344	Clear, light yellow	+	Soluble	9	-	-	-	NF	None	None	Neutral
1345	Clear, orange/yellow, oily	-	Insoluble, floats	7	-	-	-	Flammable	Yellow	None	Neutral Flammable
1346	Clear	+	Soluble	10	-	-	+	NF	None	None	Base Cyanide
1347	Clear, brown/red	+	Soluble	1	+, strong	-	-	NF	None	None	Acid Oxidizer
1348	Orange gel	-	-, floats	7	-	-	-	Flammable	Yellow	None	Neutral Flammable
1349	Clear, light green	+	Soluble	5	-	-	-	NF	None	None	Acid
1350	Turbid, green/yellow/brown	+	Soluble	1	+, strong	-	-	NF	None	None	Acid Oxidizer
1351	Clear, pine green	+	Soluble	7-8	-	-	-	NF	None	None	Neutral
1352	Clear, antifreeze green	+	Soluble	10	-	-	-	NF	None	None	Base
1353	Clear, antifreeze green	+	Soluble	10	-	-	-	NF	None	None	Base

Table F-1

**HAZARD CATEGORIZATION DATA SUMMARY SHEET  
COLUMBIA AMERICAN PLATING  
PORTLAND, OREGON**

Container Number	Sample Description	Water Test (+/-, none, slight, delayed, caustic)	Water Solubility/ Reactivity	pH	Oxidizer (+/-)	Sulfide (+/-)	Cyanide (+/-)	Flammability Range <sup>a</sup>	Beilstein Test (color)	Char Test (char/flam. vapors)	Hazard Category
1354	Clear, brown	+	Soluble	0-1	+, strong	-	-	NF	None	None	Acid Oxidizer
1355	Clear	-	Insoluble, sinks	5	+, weak	-	-	Flammable	Yellow	None	Acid Oxidizer
1356	Clear, faint yellow	+	Soluble	14	-	-	-	NF	Orange/green	None	Base
1357	Clear, turbid, milky	-	Slightly soluble	12	+, weak w/ acid	-	-	NF	None	None	Base Oxidizer
1358	Clear	+	Soluble	8	-	-	-	NF	None	None	Neutral
1359	Clear, orange/red	+	Soluble	12	-	+	-	NF	None	None	Base Sulfide
1360	Clear	+	Soluble	8	+	-	-	NF	None	None	Neutral Oxidizer
1361	Thick, orange, oily	-	Insoluble, floats	7	-	-	-	Flammable	Yellow	None	Neutral Flammable
1362	Clear, turbid, black/brown	+, slight	Soluble	3-5	+	-	-	NF	None	None	Acid Oxidizer
1363	Clear, dark orange	+	Soluble	3-5	+	-	-	Combustible	Yellow	None	Acid Oxidizer
1364	Clear, orange/brown	+, slight	Slightly soluble	7	-	-	-	NF	None	None	Neutral
1365	Turbid, brown	+	Soluble	2	+	-	-	NF	None	None	Acid Oxidizer
1366	Clear, thick, orange	+	Soluble	10-13	-, reacts w/ acid	-	-	NF	None	None	Base
1367	Clear, brown/yellow	+, caustic	Soluble	14	-	-	-	NF	None	None	Base
1368	Clear	+	Soluble	8	-	-	-	NF	None	None	Neutral
1369	Turbid, brown/orange	+, caustic	Soluble	12	+, slight	-	+, slight	NF	None	None	Base Cyanide Oxidizer
1370	Clear, yellowish	+	Soluble	5	-	-	-	NF	None	None	Acid
1371	Clear	+, slight	Soluble	7	-	-	-	NF	None	None	Neutral
1372	Not Hazcatted (solid material; labeled as "Cu, Zn, Cd, Total CN 10-18 WWT Solution")										
1373	Clear, light yellow/brown	+	Soluble	4	-	-	-	NF	Orange	None	Acid
1374	Opaque, brown/red, oily	+	Soluble	10-13	-	-	-	NF	Orange	None	Base
1375	Opaque, white	+	Soluble	7-8	-	-	-	NF	Orange	None	Neutral
1376	Clear, yellow, light oil	-	Insoluble, floats	7	-	-	-	>200	Orange	None	Neutral Flammable
1377	Clear, turbid, milky	-	Insoluble, sinks	6-7	-	-	-	Flammable	None	None	Neutral Flammable
1378	Clear, bright red	-	Insoluble, sinks	5-6	-	-	-	Flammable	None	None	Acid Flammable
1379	Clear, light yellow	+	Soluble	6-7	-	-	-	NF	None	None	Neutral
1380	Clear	+	Soluble	7	-	-	-	NF	Orange	None	Neutral
1381	Clear	+	Soluble	11	-	-	-	NF	None	None	Base
1382	Clear, light peach	+	Soluble	5	-	-	-	NF	None	None	Acid
1383	Not Hazcatted (labeled as "Marine Grade Anti Seize Petroleum Grease")										
1384	Clear, yellow/brown, oily	-	Insoluble, floats	14	-	-	+, slight	NF	Orange	None	Base Cyanide

Table F-1

**HAZARD CATEGORIZATION DATA SUMMARY SHEET  
COLUMBIA AMERICAN PLATING  
PORTLAND, OREGON**

Container Number	Sample Description	Water Test (+/-, none, slight, delayed, caustic)	Water Solubility/Reactivity	pH	Oxidizer (+/-)	Sulfide (+/-)	Cyanide (+/-)	Flammability Range <sup>a</sup>	Beilstein Test (color)	Char Test (char/flam. vapors)	Hazard Category
1385	Clear, faint yellow	+	Soluble	12	-	-	+	NF	None	None	Base Cyanide
1386	Turbid, cloudy, light brown	+	Soluble	2	+, weak	-	-	NF	None	None	Acid Oxidizer
1387	Clear, light brown	+	Soluble	6	-	-	-	NF	None	None	Neutral
1388	Black	+	Soluble	1	+	-	-	>200	Orange	None	Acid Oxidizer Flammable
1389	Clear	+	Soluble	2	-	-	-	>200	Orange	None	Acid Flammable
1390	Not Hazcatted (empty container; labeled as "Humiseal", flammable mixture)										
1391	Clear	+	Soluble	8	-	-	-	>200	Orange	None	Neutral Flammable
1392	Clear	+	Soluble	7	-	-	-	140-200	Orange	Char	Neutral Flammable
1393	Light green	+	Soluble	4	-	-	-	>200	None	Char	Acid Flammable
1394	Dark blue	+	Soluble	12	-	-	-	>200	Orange	Char	Base Flammable
1395	Clear	+	Soluble	4	-	-	-	>200	Orange	None	Acid Flammable
1396	Clear	+	Soluble	7	-	-	-	>200	Orange	None	Neutral Flammable
1397	Dark green	+	Soluble	1	+	-	-	>200	Orange	Char	Acid Flammable
1398	Clear	+	Soluble	5	-	-	-	>200	None	None	Acid Flammable
1399	Clear	+	Soluble	1	+	-	-	>200	None	None	Acid Oxidizer Flammable
1400	(top) Dark brown (bottom) Light brown	+	Soluble	7	-	-	-	>200	Orange	Char	Neutral Flammable
1401	Dark brown, oily	-	Insoluble, floats	7	-	-	-	140-200	Orange	None	Neutral Flammable
1402	Dark, oily	-	Soluble	1	-	-	-	140-200	Orange	Char	Acid Flammable
1403	Yellow	+, slight	Soluble	12	-, reacts w/ acid	-	+, slight	140-200	Orange	Char	Base Cyanide Flammable
1404	Clear	+	Soluble	6	-	-	-	>200	None	None	Neutral Flammable
1405	Light yellow	+	Soluble	1	-	-	-	>200	Orange	Char	Acid Flammable
1406	Clear	+	Soluble	6	-	-	-	>200	None	None	Neutral Flammable
1407	Clear	+	Soluble	5	-	-	-	140-200	Orange	Char	Acid Flammable
1408	Light brown	+	Soluble	9	-	-	-	>200	Orange	Slight char	Neutral Flammable
1409	Light yellow	+	Soluble	10	-	-	-	140-200	Orange	Char	Base Flammable
1410	Clear	+	Soluble	3	-	-	-	>200	Orange	None	Acid Flammable
1411	Clear	+	Soluble	4	-	-	-	140-200	Orange/green	None	Acid Flammable
1412	Clear, slightly viscous	+	Soluble	10	-	-	-	140-200	Orange	Char	Base Flammable
1413	Clear, pale yellow	+	Soluble	9	-	-	-	>200	Orange	None	Neutral Flammable
1414	Light yellow	+	Soluble	7	-	-	-	140-200	Orange	Char	Neutral Flammable
1415	Pale yellow	+	Soluble	1	-	-	-	>200	Orange/yellow	Char	Acid Flammable
1416	Transparent yellow	+	Soluble	7	-	-	-	140-200	Orange	Char	Neutral Flammable

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**HAZARD CATEGORIZATION DATA SUMMARY SHEET**  
**COLUMBIA AMERICAN PLATING**  
**PORTLAND, OREGON**

Container Number	Sample Description	Water Test (+/-, none, slight, delayed, caustic)	Water Solubility/ Reactivity	pH	Oxidizer (+/-)	Sulfide (+/-)	Cyanide (+/-)	Flammability Range <sup>a</sup>	Beilstein Test (color)	Char Test (char/flam. vapors)	Hazard Category
1417	Transparent yellow	+	Soluble	3	-	-	-	>200	Orange	Char	Acid Flammable
1418	Clear	+	Soluble	7	-	-	-	NF	None	None	Neutral
1419	Clear	+	Soluble	0	-	-	-	140-200	Orange	None	Acid Flammable
1420	Cloudy, opaque, yellow	+	Soluble	8	+	-	-	>200	None	Char	Neutral Flammable
1421	Orange/brown	+	Soluble	3	-	-	-	140-200	Orange	Char	Acid Flammable
1422	Clear, light blue	+	Soluble	3	-	-	-	>200	Orange	Char	Acid Flammable
1423	Dark brown, viscous	-	Insoluble	7	-	-	-	140-200	Orange	Char	Neutral Flammable
1424	Brown, viscous	+	Slightly soluble	7	-	-	-, reacts w/ acid	140-200	Orange	Char	Neutral Flammable
1425	Dark brown, oily	-	Soluble	3	+	-	-	>200	Orange	Char	Acid Oxidizer Flammable
1426	Light brown	+	Soluble	12	-	-	-	>200	Orange	Char	Base Flammable
1427	Opaque, brown	+	Soluble	4	-	-	-	140-200	Orange	Char	Acid Flammable
1428	Opaque, light brown	+	Soluble	5	-	-	-	>200	None	Slight char	Acid Flammable
1429	Clear, oil-like	-	Slightly soluble, sinks	6	-	-	-	>200	Orange	Char	Neutral Flammable
1430	Opaque, light green	+	Soluble	7	-	-	-	140-200	Orange/red	Char	Neutral Flammable
1431	Opaque, yellow	+	Soluble	3	-	-	-	>200	Orange	Char	Acid Flammable
1432	Opaque, tan	+	Soluble	7	-	-	-	>200	None	Char	Neutral Flammable
1433	Opaque, light blue	+	Soluble	1	+	-	-	>200	None	Inorganic	Acid Oxidizer Flammable
1434	Opaque, orange/brown	+	Soluble	5	-	-	-	>200	None	Char	Acid Flammable
1435	Opaque, pale yellow	-	Soluble	7	+, reacts w/ acid	-	+	140-200	Orange	Char	Base Cyanide Oxidizer Flammable
1436	Opaque, light yellow	-	Slightly soluble, sinks	6	-	-	+, reacts w/ acid	140-200	Orange	Char	Neutral Cyanide Flammable
1437	Opaque, orange/brown	+	Soluble	12	-, reacts w/ acid	-	-, reacts w/ acid	140-200	Orange	Char	Base Flammable
1438	Light brown w/ white globs	+	Soluble	11	-, reacts w/ acid	-	-, reacts w/ acid	>200	Orange	Char	Base Flammable
1439	Clear	+	Soluble	5	-	-	-	>200	None	None	Acid Flammable
1440	Clear	+	Soluble	9	+	-	-	NF	None	None	Neutral Oxidizer
1441	Not Hazcatted (factory sealed; solid NaOH)										
1442	Black/gray granules	-	Soluble	10	+, weak	-	-	NF	None	None	Base Oxidizer
1443	White powder	-	Soluble	6	-	-	-	NF	None	None	Neutral

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COLUMBIA AMERICAN PLATING  
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Container Number	Sample Description	Water Test (+/-, none, slight, delayed, caustic)	Water Solubility/Reactivity	pH	Oxidizer (+/-)	Sulfide (+/-)	Cyanide (+/-)	Flammability Range <sup>a</sup>	Beilstein Test (color)	Char Test (char/flam. vapors)	Hazard Category
1444	Turbid, cloudy, light brown	+	Soluble	4	-	-	-	NF	None	None	Acid
1445	Clear, turbid, light yellow/brown	+	Soluble	4	-	-	-	NF	None	None	Acid
1446	Creamy, oily solid	-	Soluble	5-6	-	-	-	Flammable	None	Black char	Acid Flammable
1447	Yellow powder	-	Insoluble, sinks	ND	+, reacts w/ acid	-	-	Flammable	None	Black char	Oxidizer Flammable
1448	White granules	-	Soluble	6	+, reacts w/ acid	-	-	NF	None	None	Neutral Oxidizer
1449	Turbid, cloudy, brown	+, caustic	Soluble	11	+, weak, reacts w/ acid	-	+	NF	Orange, sodium	None	Base Cyanide Oxidizer
1450	Turbid, cloudy, light brown/yellow	+	Soluble	4	-	-	-	NF	None	None	Acid

Note:

- a A material is extremely flammable if its flashpoint is less than 100 degrees Fahrenheit. The material is flammable if the flashpoint is between 100 and 140 degrees Fahrenheit. The material is flammable/combustible if the material's flashpoint is between 140 and 200 degrees Fahrenheit. The material is non-flammable if the flashpoint is greater than 200 degrees Fahrenheit.

## Key:

>	= greater than
<	= less than
+	= positive test result
-	= negative test result
Cd	= Cadmium
CN	=Cyanide
Cu	= Copper
NaOH	= Sodium Hydroxide
ND	= Parameter not determined/no data.
NF	= Non-Flammable
Solid Material	= Hard solids not analyzed
Zn	= Zinc