



UNION CARBIDE CORPORATION
 P. O. BOX 8381, SOUTH CHARLESTON, W. VA. 25303
 RESEARCH AND DEVELOPMENT DEPARTMENT
 Technical Center

30 MAY 2 4:01

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A-85

RADIOACTIVE SOURCES AND MATERIALS : 02-May-90 *

ITEM	AREA	ISOTOPE	SERIAL #	MANUFACTURER	MODEL #	ENCAPSULATION	DATE CALIB.	CALIB. ACTIVITY	UNITS	CURRENT ACTIVITY	AS OF DATE
1	A.1	AM-241	46-1154	TROXLER LABS	3216A-180	102451	Apr-83	40	mCi	39.58	May-90
2	A.1	CS-137	511-36	OHMART	SHRM-PA	A-2102	May-64	10	mCi	5.49	May-90
3	A.1	RA-226	6901-24	INDUSTRIAL NUC	PT-101-T		Apr-58	0.2	mCi	0.20	May-90
4	A.1	NI-63	A-166	VARIAN	02-001972		Dec-76	8	mCi	7.23	May-90
5	A.1	CS-137	J-698	OHMART	LEAD P16	A-5776	Nov-67	0.5	mCi	0.30	May-90
6	A.1	CS-137	L-469	OHMART	SHRM-PA	A-2102	Feb-75	100	mCi	70.36	May-90
7	A.1	CS-137	L-637	OHMART	LEAD P16	A-5776	Jul-65	0.25	mCi	0.14	May-90
8	A.1	CS-137	M-5573	OHMART	AS-2	A-2102	Oct-87	80	mCi	79.00	May-90
9	A.1	CS-137	M-629	OHMART	LEAD P16	A-5776	Jul-65	0.1	mCi	0.06	May-90
10	A.1	CS-137	M-644	OHMART	LEAD P16	A-5776	Nov-67	0.5	mCi	0.30	May-90
11	A.1	CS-137	M-645	OHMART	LEAD P16	A-5776	Jun-66	0.5	mCi	0.27	May-90
12	A.1	SR-90	S-1005	NUMINCO	SK-1A		Jan-64	1000	mCi	522.61	May-90
13	A.1	SR-90	S-1006	NUMINCO	SK-1A		Jan-64	1000	mCi	522.61	May-90
14	A.1	CS-137	T-609	OHMART	LEAD P16	A-5776	Dec-67	0.25	mCi	0.15	May-90
15	A.1	CS-137	V-856	OHMART	LEAD P16	A-5776	Dec-67	0.5	mCi	0.30	May-90
16	A.1	CS-137	V-857	OHMART	LEAD P16	A-5776	Nov-67	0.5	mCi	0.30	May-90
17	A.1	H-3	119	ANALOG TECH	EDC		Aug-75	1000	mCi	436.25	May-90
18	A.1	H-3	146	AID	EDC		Dec-73	200	mCi	79.43	May-90
19	A.1	CS-137	215	TEXAS NUC	5192	TN570-57157C	Sep-73	200	mCi	136.18	May-90
20	A.1	CS-137	220	TEXAS NUC	5192	TN570-57157C	Sep-73	200	mCi	136.18	May-90
21	A.1	CS-137	226	TEXAS NUC	5192	TN570-57157C	Sep-73	200	mCi	136.18	May-90
22	A.1	CS-137	228	TEXAS NUC	5192	TN570-57157C	Sep-73	200	mCi	136.18	May-90
23	A.1	CS-137	234	TEXAS NUC	5192	TN570-57157C	Aug-73	200	mCi	135.91	May-90
24	A.1	NI-63	234	BENDIX	2260		Apr-71	15	mCi	12.99	May-90
25	A.1	CS-137	236	TEXAS NUC	5192	TN570-57157C	Aug-73	200	mCi	135.91	May-90
26	A.1	CS-137	236	TEXAS NUC	5192	TN570-57157C	Oct-73	200	mCi	136.44	May-90
27	A.1	CS-137	274	TEXAS NUC	5192	TN570-57157C	Dec-73	200	mCi	136.97	May-90
28	A.1	CS-137	285	TEXAS NUC	5190	TN570-57157C	Dec-73	200	mCi	136.97	May-90
29	A.1	CS-137	297	TEXAS NUC	5190	TN570-57157C	Dec-73	200	mCi	136.97	May-90
30	A.1	CS-137	302	TEXAS NUC	5192	TN570-57157C	Dec-73	200	mCi	136.97	May-90
31	A.1	CS-137	305	TEXAS NUC	5190	TN570-57157C	Dec-73	200	mCi	136.97	May-90
32	A.1	CS-137	307	TEXAS NUC	5190	TN570-57157C	Dec-73	200	mCi	136.97	May-90
33	A.1	CS-137	454	OHMART	LEAD P16	A-5776	Nov-64	0.5	mCi	0.28	May-90
34	A.1	CS-137	517	TEXAS NUC	5192	TN570-57157C	Jan-75	200	mCi	140.44	May-90
35	A.1	CS-137	518	TEXAS NUC	5192	TN570-57157C	Oct-74	200	mCi	139.63	May-90
36	A.1	CS-137	535	TEXAS NUC	5192	TN570-57157C	Jan-75	200	mCi	140.44	May-90
37	A.1	CS-137	534	TEXAS NUC	5192	TN570-57157C	Jan-75	200	mCi	140.44	May-90
38	A.1	CS-137	539	TEXAS NUC	5192	TN570-57157C	Jan-75	200	mCi	140.44	May-90
39	A.1	CS-137	572	TEXAS NUC	5192	TN570-57157C	Jan-75	200	mCi	140.44	May-90
40	A.1	NI-63	767	VARIAN	3700		Jan-80	8	mCi	7.40	May-90
41	A.1	CS-137	1256	OHMART	SHRM-36	A-5776	Mar-66	100	mCi	57.25	May-90
42	A.1	CS-137	1760	OHMART	SHRM-36	A-5776	Aug-70	100	mCi	63.40	May-90
43	A.1	CS-137	2181	OHMART	SHRM-36	A-5776	Oct-77	50	mCi	37.41	May-90
44	A.1	CS-137	2972	TEXAS NUC	5176	TN570-57157C	Aug-74	4000	mCi	2781.77	May-90
45	A.1	CS-137	2503	OHMART	SHRM-36	A-5776	Oct-77	50	mCi	37.41	May-90
46	A.1	CS-137	2553	OHMART	SHRM-60	A-5776	Aug-76	500	mCi	364.19	May-90
47	A.1	CS-137	2555	OHMART	SHRM-60	A-5776	Aug-76	500	mCi	364.19	May-90
48	A.1	CS-137	2561	OHMART	SHRM-60	A-5776	Aug-76	500	mCi	364.19	May-90

* AREA - A.1 DENOTES SOURCES IN STORAGE
 " - B DENOTES SOURCES IN USE
 " - C DENOTES SOURCES TRANSFERRED

RADIOACTIVE SOURCES AND MATERIALS 2 02-May-90 *

ITEM	AREA	ISOTOPE	SERIAL #	MANUFACTURER	MODEL #	ENCAPSULATION	DATE CALIB.	CALIB. ACTIVITY	UNITS	CURRENT ACTIVITY	AS OF DATE
49	A.1	CS-137	2563	OHMART	SHRM-60	A-5771	Aug-76	300	mCi	364.19	May-90
50	A.1	AM-241	5841	MONSANTE		2722	Jul-84	1000	mCi	991.26	May-90
51	A.1	CS-137	50850	OHMART	LEAD PIS	A-5776	May-84	0.5	mCi	0.27	May-90
52	A.1	CS-137	60234	OHMART	SR-2	A-2102	Jul-74	3000	mCi	2082.24	May-90
53	A.1	CS-137	60993	OHMART	SR-2	A-2102	Jul-74	3000	mCi	2082.24	May-90
54	A.1	CS-137	61063	OHMART	SHRM-PA	A-2102	Jul-76	100	mCi	63.28	May-90
55	A.1	CS-137	61064	OHMART	SHRM-PA	A-2102	Jul-76	100	mCi	63.28	May-90
56	A.1	CS-137	63141	OHMART	SR-2	A-2102	Jul-74	3000	mCi	2082.24	May-90
57	A.1	CS-137	64126	OHMART	SHRM-PA	A-2102	Jun-75	100	mCi	70.90	May-90
58	A.1	CS-137	64127	OHMART	SHRM-PA	A-2102	Jun-75	100	mCi	70.90	May-90
59	A.1	CS-137	64128	OHMART	SHRM-PA	A-2102	Jun-75	100	mCi	70.90	May-90
60	A.1	CS-137	65402	OHMART	SR-1	A-2102	Nov-76	100	mCi	73.26	May-90
61	A.1	CS-137	65574	OHMART	SHLS-1	A-2102	Sep-77	750	mCi	560.14	May-90
62	A.1	CS-137	69826	OHMART	SHLS-3A	A-2104	Dec-80	10000	mCi	6051.23	May-90
63	A.1	CS-137	71166	OHMART	SH-100	A-2102	May-81	100	mCi	61.27	May-90
64	A.1	CS-137	71167	OHMART	SH-100	A-2102	May-81	100	mCi	61.29	May-90
65	A.1	CS-137	71516	OHMART	SHD	A-2102	Apr-82	150	mCi	124.54	May-90
66	A.1	CS-137	73163	OHMART	SHD	A-2102	Nov-83	150	mCi	129.19	May-90
67	A.1	CS-137	73164	OHMART	SHD	A-2102	Nov-83	150	mCi	129.19	May-90
68	A.1	CS-137	73483	OHMART	SHD	A-2102	Nov-83	150	mCi	129.19	May-90
69	A.1	CS-137	74049	OHMART	SHD	A-2102	Oct-83	50	mCi	42.98	May-90
70	A.1	CS-137	74050	OHMART	SHD	A-2102	Oct-83	50	mCi	42.98	May-90
71	A.1	CS-137	75203	OHMART	SHD	A-2102	Jan-85	100	mCi	66.49	May-90
72	A.1	CS-137	75204	OHMART	SHD	A-2102	Jan-85	100	mCi	66.49	May-90
73	B	NI-63	A-1743	VARIAN	5851		Apr-87	8	mCi	7.82	May-90
74	B	NI-63	C-1048	H-P	5840		Jan-80	15	mCi	13.88	May-90
75	B	NI-63	C-1415	H-P	ECB		Jan-80	15	mCi	13.88	May-90
76	B	NI-63	C-1452	H-P	ECB		Oct-80	15	mCi	13.96	May-90
77	B	NI-63	L-3660	H. P.	ECB		Apr-88	15	mCi	14.68	May-90
78	B	H-3	H-166	CUSTOM MATERIALS			Sep-70	200	mCi	65.34	May-90
79	B	NI-63	S-10026	H-P	19300		Apr-83	15	mCi	14.44	May-90
80	B	NI-63	S-8269	H-P	5890		Jan-80	15	mCi	13.88	May-90
81	B	NI-63	S-8906	H-P	19303		Sep-81	15	mCi	14.66	May-90
82	B	CS-137	279	TEXAS NUC	5192	TNS70-571570	Dec-73	200	mCi	138.97	May-90
83	B	CS-137	524	TEXAS NUC	5192	TNS70-571570	Oct-74	200	mCi	139.63	May-90
84	B	CS-137	567	TEXAS NUC	5192	TNS70-571570	Jan-75	200	mCi	140.44	May-90
85	B	H-3	1882	3M		FOIL	Jul-76	200	mCi	91.58	May-90
86	B	NI-63	2828	PERKIN-ELMER	830011		Jun-83	15	mCi	14.24	May-90
87	B	H-3	3274	3M			Dec-82	200	mCi	131.49	May-90
88	B	CS-137	60476	OHMART	SHRM-A	A-2102	Dec-88	2000	mCi	1220.18	May-90
89	B	CS-137	64154	OHMART	SHRM-PA	A-2102	Feb-75	100	mCi	70.36	May-90
90	C	CS-137	2-1241	TEXAS NUC	5192	570-571570	Nov-77	50	mCi	37.49	May-90
91	C	CS-137	3-34	TEXAS NUC	5195	TNS70-571570	Dec-77	500	mCi	393.34	May-90
92	C	CS-137	3-34	TEXAS NUC	5207	571-570	Oct-85	2000	mCi	1500.55	May-90
93	C	CS-137	3-35	TEXAS NUC	5207	571-570	Oct-85	2000	mCi	1800.55	May-90
94	C	CS-137	3-74	TEXAS NUC	5195	TNS70-571570	Apr-84	500	mCi	439.06	May-90
95	C	CS-137	3-78	TEXAS NUC	5207	571-570	Mar-87	1000	mCi	930.16	May-90
96	C	CS-137	3-79	TEXAS NUC	5207	571-570	Mar-87	1000	mCi	930.16	May-90