

5. Chlorine, Sulfur Dioxide, and Hydrogen Chloride

Approval

Approved as respiratory protection against chlorine, hydrogen chloride, or sulfur dioxide.

Limitations

Not for use in atmospheres immediately dangerous to life or health.

Not for use in atmospheres containing less than 19.5 percent oxygen.

In making renewals and repairs, parts identical with those furnished by the manufacturer under the pertinent approval shall be maintained.

Refer to approval label and instruction and maintenance manuals for additional information on use and maintenance of these respirators.

Follow the manufacturer's instructions for changing cartridges or for discarding disposable respirators.

Approval may include protection against particulates or other gases and vapors. The type of additional approval is listed in the last two columns. See page 10 for definitions of particulate types and approved use concentrations on gases and vapors.

This respirator shall be selected, fitted, used and maintained in accordance with Mine Safety and Health Administration and other applicable regulations.

CHEMICAL CARTRIDGES - CHLORINE, SULFUR DIOXIDE, AND HYDROGEN CHLORIDE

Approval Number TC-23C-	Approval Issued to	Respirator and Facepiece Type	Number of Cartridges	Other Approvals DFM	Gas and Vapor
41	MSA	Rp,Fm,Bm,ON	2	DM	H2S/CLO2
47	MSA	Rp,Fm,Bm,ON	2	DM	OV/H2S CLO2
60	Cabot Safety	Rp,Fm,ON	2		
65	North	Rp,Fm,ON	2		OV
66	North	Rp,Fm,ON	2	DM	OV
76	Willson	Rp,Fm,ON	2		OV/CLO2/ H2S/HF
77	Willson	Rp,Fm,ON	2	DM	OV/CLO2/ H2S/HF
82	Cabot Safety	Rp,Fm,ON	2		OV
85	Cabot Safety	Rp,Fm,ON	1		OV
104	North	Rp,Bm,ON	2		OV
105	North	Rp,Bm,ON	2	DM	OV
111	Cabot Safety	Es,Mp	1	DM	
115	Scott	Rp,Fm,ON	2		CH2-O/H2S CLO2
REPLACED BY TC-23C-768					
116	Scott	Rp,Fm,ON	2	DM	CH2-O/H2S CLO2
122	North	Rp,Fm,ON	2	DMZ	

129	3M	Su,ON	1	DM	
141	Willson	Rp,Fm,ON	2		OV/CLO2/ H2S/HF
142	Willson	Rp,Fm,ON	2	DM	OV/CLO2/ H2S/HF
145	MSA	Rp,Fm,FF	2	DM	H2S/CLO2
146	MSA	Rp,Fm,FF	2	DM	OV H2S/CLO2
150	MSA	Rp,Fm,FF	2	HA	H2S/CLO2
153	MSA	Rp,Fm,FF	2	HA	OV/Pest CLO2/H2S
154	MSA	Rp,Fm,FF	2	DFMR	OV/Pest CLO2/H2S
156	MSA	Rp,Fm,Bm,ON	2	HA	H2S/CLO2
159	MSA	Rp,Fm,Bm,ON	2	HA	OV/Pest CLO2/H2S
160	MSA	Rp,Fm,Bm,ON	2	DFMR	OV/Pest CLO2/H2S
163	Protech	Rp,Fm,ON	2	DM	OV
163	Sellstrom	Rp,Fm,ON	2	DM	OV
163	Eastern	Rp,Fm,ON	2	DM	OV
164	Cesco	Rp,Fm,ON	2		
165	Cesco	Rp,Fm,ON	2	DM	
166	Cesco	Rp,Fm,ON	2		OV

167	Cesco	Rp,Fm,ON	2	DM	OV
168	US Safety	Rp,Fm,ON	2		
169	US Safety	Rp,Fm,ON	2	DM	
169	Lab Safety Supply	Rp,Fm,ON	2	DM	
170	US Safety	Fm,ON	2		OV
171	US Safety	Rp,Fm,ON	2	DM	OV
171	Lab Safety Supply	Rp,Fm,ON	2	DM	OV
172	Scott	Rp,Fm,ON	2		OVCH2-O H2S/ CLO2
REPLACED BY TC-23C-776					
174	Scott	Rp,Fm,ON	2	DM	OV CH2-O/H2S CLO2
179	North	Rp,Bm,ON	2	DMZ	
181	North	Rp,Fm,FF	2		OV
183	Glendale	Rp,Fm,ON	2		CH2-O/ CLO2
184	Glendale	Rp,Fm,ON	2	DM	CH2-O
186	North	Rp,Fm,FF	2	DM	OV
189	North	Rp,Fm,FF	2	DMZ	
203	Pulmosan	Rp,Fm,ON	1		
207	North	Rp,Fm,ON	2	HRA	CH2-O

208	North	Rp,Bm,ON	2	HRA	CH2-O
209	North	Rp,Fm,FF	2	HRA	CH2-O
210	North	Rp,Fm,ON	2	HRA	OV
211	North	Rp,Bm,ON	2	HRA	OV
212	North	Rp,Fm,FF	2	HRA	OV
216	3M	Su,ON	1	DM	OV
218	Scott	Rp,Fm,FF	2	DM	CH2-O/H2S CLO2
221	Scott	Rp,Fm,FF	2		OV/CH2-O H2S/CLO2
222	Scott	Rp,Fm,FF	2	DM	OV/CH2-O H2S/CLO2
225	Scott	Rp,Fm,FF	2		CH2-O/H2S CLO2
226	North	Rp,Fm,ON	2		CH2-O
227	North	Rp,Bm,ON	2		CH2-O
228	North	Rp,Fm,FF	2		CH2-O
229	North	Rp,Fm,ON	2	DM	CH2-O
230	North	Rp,Bm,ON	2	DM	CH2-O
231	North	Rp,Fm,FF	2	DM	CH2-O
232	Pulmosan	Rp,Fm,ON	1	DM	
233	Cabot Safety	Rp,Fm,FF	2		

234	Cabot Safety	Rp,Fm,FF	2		OV
241	Glendale	Rp,Fm,ON	2		OV CH2-O
242	Glendale	Rp,Fm,ON	2	DM	OV CH2-O
246	Scott	Rp,Fm,ON	2	DFMR	CH2-O/H2S CLO2
247	Scott	Rp,Fm,FF	2	DFMR	CH2-O/H2S CLO2
250	Scott	Rp,Fm,ON	2	DFMR	OV CH2-O/H2S CLO2
251	Scott	Rp,Fm,FF	2	DFMR	OV H2S/CLO2 CH2-O
260	MSA	Rp,Fm,ON	2	DM	OV/CH2-O H2S/CLO2
261	MSA	Rp,Bm,ON	2	DM	OV CLO2/H2S
262	MSA	Rp,Fm,FF	2	DM	OV CLO2/H2S
265	Cesco	Rp,Fm,FF	2	DM	
266	US Safety	Rp,Fm,FF	2	DM	
266	Lab Safety Supply	Rp,Fm,FF	2	DM	
267	Cesco	Rp,Fm,FF	2	DM	OV
268	US Safety	Rp,Fm,FF	2	DM	OV

268	Lab Safety Supply	Rp,Fm,FF	2	DM	OV
281	Cabot Safety	Rp,Fm,ON	2	DFM	OV/CLO2 Pest
282	Cabot Safety	Rp,Fm,FF	2	DFM	OV/CLO2 Pest
288	North	Es,Mp	1		H2S/CLO2
298	Willson	Rp,Fm,ON	2		OV/H2S
299	Willson	Rp,Fm,ON	2	HA	OV/H2S
300	Willson	Rp,Fm,FF	2		OV/H2S
301	Willson	Rp,Fm,FF	2	HA	OV/H2S
306	Cesco	Rp,Fm,ON	2	HRA	
307	US Safety	Rp,Fm,ON	2	HRA	
307	Lab Safety Supply	Rp,Fm,ON	2	HRA	
308	Cesco	Rp,Fm,FF	2	HRA	
309	US Safety	Rp,Fm,FF	2	HRA	
309	Lab Safety Supply	Rp,Fm,FF	2	HRA	
310	Cesco	Rp,Fm,ON	2	HRA	OV
311	US Safety	Rp,Fm,ON	2	HRA	OV
311	Lab Safety Supply	Rp,Fm,ON	2	HRA	OV

312	Cesco	Rp,Fm,FF	2	HRA	OV
313	US Safety	Rp,Fm,FF	2	HRA	OV
313	Lab Safety Supply	Rp,Fm,FF	2	HRA	OV
318	Survivair	Rp,Fm,ON	2		OV
320	Pulmosan	Rp,Fm,ON	1		OV
324	Pulmosan	Rp,Fm,ON	1	DM	OV
339	Cabot Safety	Rp,Fm,ON	2		H2S/CLO2
340	Cabot Safety	Rp,Fm,FF	2		H2S/CLO2
341	Cabot Safety	Rp,Fm,ON	2	DM	H2S/CLO2
342	Cabot Safety	Rp,Fm,FF	2	DM	H2S/CLO2
343	Cabot Safety	Rp,Fm,ON	2		OV CLO2
344	Cabot Safety	Rp,Bm,FF	2		OV CLO2
345	Cabot Safety	Rp,Fm,ON	2	DM	OV CLO2
346	Cabot Safety	Rp,Fm,FF	2	DM	OV CLO2
352	North	Su,ON	1		OV CH2-O
353	North	Su,ON	1		CH2-O

356	North	Su,ON	1	DM	CH2-O
357	North	Su,ON	1	DM	OV CH2-O
359	Protech	Rp,Fm,ON	2		CH2-O
359	Sellstrom	Rp,Fm,ON	2		CH2-O
368	Willson	Rp,Bm,ON	2		OV
369	Willson	Rp,Bm,FF	2		OV
370	Willson	Rp,Bm,ON	2		OV
371	Willson	Rp,Bm,FF	2		OV
380	Willson	Rp,Bm,ON	2	DM	OV
381	Willson	Rp,Bm,FF	2	DM	OV
386	Willson	Rp,Bm,ON	2	HA	OV
387	Willson	Rp,Bm,FF	2	HA	OV
393	Survivair	Rp,Fm,ON	2	DFMR	OV
394	Survivair	Rp,Fm,FF	2	DFMR	OV
395	Survivair	Rp,Fm,ON	2	HA	
396	Survivair	Rp,Fm,FF	2	HA	
407	Glendale	Rp,Fm,FF	2		CH2-O/ CLO2
408	Glendale	Rp,Fm,FF	2	DM	CH2-O

410	Glendale	Rp,Fm,FF	2		OV CH2-O
411	Glendale	Rp,Fm,FF	2	DM	OV CH2-O
415	Cabot Safety	Rp,Fm,ON	2	HRA	CLO2/H2S
416	Cabot Safety	Rp,Fm,FF	2	HRA	CLO2/H2S
417	Cabot Safety	Rp,Fm,ON	2	HRA	OV CLO2/Pest
418	Cabot Safety	Rp,Fm,FF	2	HRA	OV CLO2/Pest
421	Protech	Rp,Fm,ON	2	HRA	OV
421	Sellstrom	Rp,Fm,ON	2	HRA	OV
429	Survivair	Rp,Fm,FF	2		CH2-O
430	Survivair	Rp,Fm,ON	2		CH2-O
431	Survivair	Rp,Fm,ON	2	DM	CH2-O
432	Survivair	Rp,Fm,FF	2	DM	CH2-O
433	Survivair	Rp,Fm,ON	2	DM	OV
434	Survivair	Rp,Fm,ON	2	DM	OV
443	3M	Rp,Fm,ON	2		H2S/CLO2
444	3M	Rp,Fm,ON	2	DM	H2S/CLO2
445	3M	Rp,Fm,ON	2	HRA	H2S/CLO2

446	3M	Rp,Fm,ON	2		OV/HF
447	3M	Rp,Fm,ON	2	DM	OV/HF
448	3M	Rp,Fm,ON	2	HRA	OV/HF
449	North	Es,Mp	1	DM	H2S/CLO2
450	Survivair	Rp,Fm,ON	2	HRA	OV/Pest
451	Survivair	Rp,Fm,FF	2	HRA	OV
454	Survivair	Rp,Fm,FF	2		OV
459	Protech	Rp,Fm,ON	2	HRA	CH2-O
459	Sellstrom	Rp,Fm,ON	2	HRA	CH2-O
461	MSA	Rp,Bm,ON	2	DM	H2S/CLO2
462	MSA	Rp,Bm,ON	2	DM	OV CLO2/H2S
466	MSA	Rp,Bm,ON	2	HA	OV/Pest/ CLO2/H2S
467	MSA	Rp,Bm,ON	2	DFMR	OV/Pest/ CLO2/H2S
470	MSA	Rp,Bm,ON	2	HA	H2S/CLO2
472	MSA	Rp,Bm,ON	2	DM	OV/H2S CLO2
487	Sellstrom	Rp,Fm,ON	2	HRA	
496	Pulmosan	Rp,Fm,FF	1		
497	Pulmosan	Rp,Fm,FF	1		OV

500	Pulmosan	Rp,Fm,FF	1	DM	
501	Pulmosan	Rp,Fm,FF	1	DM	OV
511	MSA	Rp,Fm,ON	1	DM	CH2-O
512	MSA	Rp,Fm,ON	1	DM	OV CH2-O
514	MSA	Es,Mp	1	DM	H2S/CLO2
516	Pirelli	Rp,Fm,ON	2		
517	Scott	Rp,Fm,ON	2	HRA	CH2-O/H2S CLO2
REPLACED BY TC-23C-771					
518	Scott	Rp,Fm,FF	2	HRA	CH2-O/H2S CLO2
521	Scott	Rp,Fm,ON	2	HRA	OV CH2-O/H2S CLO2
REPLACED BY TC-23C-779					
522	Scott	Rp,Fm,FF	2	HRA	OV/CH2-O H2S/CLO2
527	Pirelli	Rp,Fm,FF	2		
532	Survivair	Rp,Fm,ON	2	DFMR	OV
533	Survivair	Rp,Fm,FF	2	DFMR	OV
536	Safety Supply	Rp,Fm,ON	2		
537	Safety Supply	Rp,Fm,FF	2		
542	Safety Supply	Rp,Fm,ON	2		OV

543	Safety Supply	Rp,Fm,FF	2		OV
550	Safety Supply	Rp,Fm,ON	2	DM	
551	Safety Supply	Rp,Fm,FF	2	DM	
552	Safety Supply	Rp,Fm,ON	2	DM	OV
553	Safety Supply	Rp,Fm,FF	2	DM	OV
563	Willson	Rp,Fm,ON	2		OV/CLO2/ H2S/HF
564	Willson	Rp,Fm,ON	2		OV
565	Willson	Rp,Fm,ON	2		OV/H2S/HF
566	Willson	Rp,Fm,ON	2		OV
577	Willson	Rp,Fm,ON	2	DM	OV/CLO2 H2S/HF
578	Willson	Rp,Fm,ON	2	DM	OV
583	Willson	Rp,Fm,ON	2	HA	OV/H2S/HF
584	Willson	Rp,Fm,ON	2	HA	OV
587	Cabot Safety	Rp,Fm,ON	2	DFM	OV CLO2/Pest
588	Cabot Safety	Rp,Fm,FF	2	DFM	OV CLO2/Pest
593	Racal	PAPR,HH	3		CH2-O

594	Racal	PAPR,FF	3		CH2-O
595	Racal	PAPR,HH	3		CH2-O
596	Racal	PAPR,HH	3		CH2-O
597	Racal	PAPR,HH	3	HRA	CH2-O
598	Racal	PAPR,FF	3	HRA	CH2-O
599	Racal	PAPR,HH	3	HRA	CH2-O
600	Racal	PAPR,HH	1	HRA	CH2-O
601	Cabot Safety	Es,Mp	1		
603	Racal	PAPR,HH	3	HRA	CH2-O
605	Racal	PAPR,HH	3		OV
606	Racal	PAPR,FF	3		OV
607	Racal	PAPR,HH	3		OV
608	Racal	PAPR,HH	3		OV
613	Racal	PAPR,ON	3		CH2-O
614	Racal	PAPR,ON	3	HRA	CH2-O
615	Racal	PAPR,ON	3		OV
619	Glendale	Rp,Fm,ON	2	HRA	CH2-O/ CLO2
620	Glendale	Rp,Fm,FF	2	HRA	CH2-O/ CLO2

621	Glendale	Rp,Fm,ON	2	HRA	OV CH2-O
622	Glendale	Rp,Fm,FF	2	HRA	OV CH2-O
626	Neoterik	PAPR,ON	3		OV
627	Neoterik	PAPR,ON	3		
634	Racal	PAPR,HH	3		CH2-O
635	Racal	PAPR,HH	3	HRA	CH2-O
636	Racal	PAPR,HH	3		OV
638	Neoterik	PAPR,FF	3		OV
640	Neoterik	PAPR,FF	3		
647	Racal	PAPR,FF	3	HRA	OV
648	Racal	PAPR,ON	3	HRA	OV
652	North	Rp,Fm,ON	2	DFM	CH2-O
653	North	Rp,Bm,ON	2	DFM	CH2-O
654	North	Rp,Fm,FF	2	DFM	
655	North	Rp,Fm,ON	2	DFM	OV
656	North	Rp,Bm,ON	2	DFM	OV
657	North	Rp,Fm,FF	2	DFM	OV
664	Protech	Rp,Fm,FF	2		OV
664	Sellstrom	Rp,Fm,FF	2		OV

665	Protech	Rp,Fm,FF	2	DM	OV
665	Eastern	Rp,Fm,FF	2	DM	OV
670	Protech	Rp,Fm,FF	2	HRA	OV
670	Sellstrom	Rp,Fm,FF	2	HRA	OV
670	Eastern	Rp,Fm,FF	2	HRA	OV
671	Protech	Rp,Fm,FF	2		CH2-O
671	Sellstrom	Rp,Fm,FF	2		CH2-O
673	Protech	Rp,Fm,FF	2	HRA	CH2-O
678	Eastern	Rp,Fm,ON	2	HRA	OV
673	Protech	Rp,Fm,FF	2	HRA	CH2-O
679	Cabot Safety	Rp,Fm,FF	2		OV CLO2
684	3M	Rp,Fm,FF	2		H2S/CLO2
685	3M	Rp,Fm,FF	2		OV/HF
689	3M	Rp,Fm,FF	2	DM	H2S/CLO2
690	3M	Rp,Fm,FF	2	DM	OV/HF
694	3M	Rp,Fm,FF	2	HRA	H2S/CLO2
695	3M	Rp,Fm,FF	2	HRA	OV/HF
699	Willson	Rp,Fm,ON	2		H2S/HF CH2-O

700	Willson	Rp,Fm,FF	2		H2S/HF CH2-O
701	Willson	Rp,Fm,ON	2		H2S/HF CH2-O
702	Willson	Rp,Bm,ON	2		CH2-O
703	Willson	Rp,Bm,FF	2		CH2-O
704	Willson	Rp,Bm,ON	2		CH2-O
705	Willson	Rp,Fm,ON	2	DM	H2S/HF CH2-O
706	Willson	Rp,Fm,ON	2	DM	H2S/HF CH2-O
707	Willson	Rp,Fm,FF	2	DM	H2S/HF CH2-O
708	Willson	Rp,Bm,ON	2	DM	CH2-O
709	Willson	Rp,Bm,FF	2	DM	CH2-O
710	Willson	Rp,Bm,ON	2	DM	CH2-O
711	Willson	Rp,Fm,ON	2	DFMR	H2S/HF CH2-O
712	Willson	Rp,Fm,FF	2	DFMR	H2S/HF CH2-O
713	Willson	Rp,Fm,FF	2	DFMR	H2S/HF CH2-O
714	Willson	Rp,Bm,ON	2	DFM	CH2-O
715	Willson	Rp,Bm,FF	2	DFM	CH2-O
716	Willson	Rp,Bm,ON	2	DFM	CH2-O

717	Willson	Rp,Fm,ON	2	DFMR	OV/CLO2/ H2S/HF
718	Willson	Rp,Fm,FF	2	DFMR	OV/CLO2/ H2S/HF
719	Willson	Rp,Fm,ON	2	DFMR	OV/CLO2/ H2S/HF
720	Willson	Rp,Bm,ON	2	DFM	OV
721	Willson	Rp,Fm,FF	2	DFM	OV
722	Willson	Rp,Bm,ON	2	DFM	OV
736	Willson	Rp,Fm,ON	2		OV
740	Willson	Rp,Fm,ON	1		OV
741	Willson	Rp,Fm,ON	2		CH2-O
742	Willson	Rp,Fm,ON	1		CH2-O
745	Willson	Rp,Fm,FF	2		OV
746	Willson	Rp,Fm,FF	2		CH2-O
748	Willson	Rp,Fm,FF	2	DM	OV
749	Willson	Rp,Fm,FF	2	DM	CH2-O
753	Willson	Rp,Fm,ON	2	DM	OV
754	Willson	Rp,Fm,ON	2	DM	CH2-O
756	Willson	Rp,Fm,ON	1	DM	OV
757	Willson	Rp,Fm,ON	1	DM	CH2-O

763	Willson	Rp,Fm,ON	2	HA	OV
764	Willson	Rp,Fm,FF	2	HA	OV
765	Willson	Rp,Fm,ON	2	HA	CH2-O
766	Willson	Rp,Fm,FF	2	HA	CH2-O
768	Scott	Rp,Fm,ON	2		CH2-O/H2S CLO2
769	Scott	Rp,Fm,ON	2	DM	CH2-O/H2S CLO2
770	Scott	Rp,Fm,ON	2	DFMR	CH2-O/H2S CLO2
771	Scott	Rp,Fm,ON	2	HRA	CH2-O/H2S CLO2
776	Scott	Rp,Fm,ON	2		OV H2S/CLO2
777	Scott	Rp,Fm,ON	2	DM	OV CH2-O/H2S CLO2
778	Scott	Rp,Fm,ON	2	DFMR	OV H2S/CLO2
779	Scott	Rp,Fm,ON	2	HRA	OV H2S/CLO2
787	Willson	Rp,Fm,ON	2	DFMR	OV
788	Willson	Rp,Fm,FF	2	DFMR	OV
789	Willson	Rp,Fm,ON	2	DFMR	CH2-O
790	Willson	Rp,Fm,FF	2	DFMR	CH2-O

794	Cabot Safety	Rp,Fm,FF	2	HRA Pest	CLO2/OV
798	Cabot Safety	Rp,Fm,FF	2		H2S/CLO2
799	Cabot Safety	Rp,Fm,FF	2		OV CLO2
803	Cabot Safety	Rp,Fm,FF	2	HRA	
805	Cabot Safety	Rp,Fm,FF	2		OV CLO2
808	Cabot Safety	Rp,Fm,FF	2	DM	H2S/CLO2
809	Cabot Safety	Rp,Fm,FF	2	DM	OV CLO2
812	Cabot Safety	Rp,Fm,FF	2	DFM	OV CLO2
817	Glendale	Rp,Fm,ON	2		CH2-O/ CLO2
818	Glendale	Rp,Fm,ON	2	DM	CH2-O
819	Glendale	Rp,Fm,ON	2	HRA	CH2-O/ CLO2
820	Glendale	Rp,Fm,ON	2		OV CH2-O
821	Glendale	Rp,Fm,ON	2	DM	OV CH2-O
822	Glendale	Rp,Fm,ON	2	HRA	OV CH2-O
828	Willson	Rp,Fm,ON	1	DFM	OV

829	Willson	Rp,Fm,ON	1	DFM	CH2-O
832	MSA	Rp,Fm,FF	2	DM	H2S/CLO2
833	MSA	Rp,Fm,FF	2	DM	OV CLO2/H2S
836	MSA	Rp,Fm,FF	2	HA	H2S/CLO2
837	MSA	Rp,Fm,FF	2	DM	OV CLO2/H2S
839	MSA	Rp,Fm,FF	2	HA	OV/Pest/ H2S/CLO2
843	MSA	Rp,Fm,FF	2	DM	H2S/CLO2
844	MSA	Rp,Fm,FF	2	DM	OV/H2S CLO2
851	MSA	Rp,Fm,FF	2	HA	H2S/CLO2
852	MSA	Rp,Fm,FF	2	DM	OV/H2S CLO2
853	MSA	Rp,Fm,FF	2	DFMR	OV/H2S/ CLO2/Pest
854	MSA	Rp,Fm,FF	2	HRA	OV/H2S/ CLO2/Pest
865	3M	Su,ON	2		OV/HF
866	3M	Su,ON	2		H2S/CLO2
868	3M	Su,ON	2	DM	OV/HF
869	3M	Su,ON	2	DM	H2S/CLO2
872	Masprot	Rp,Fm,ON	2	DM	

874	Masprot	Rp,Fm,ON	2	HA	
877	3M	Rp,Fm,FF	2		H2S/CLO2
878	3M	Rp,Fm,FF	2		OV/HF
882	3M	Rp,Fm,FF	2	DM	H2S/CLO2
883	3M	Rp,Fm,FF	2	DM	OV/HF
887	3M	Rp,Fm,FF	2	HRA	H2S/CLO2
888	3M	Rp,Fm,FF	2	HRA	OV/HF
894	Racal	PAPR,HH	3		CH2-O
896	Racal	PAPR,HH	3	HRA	CH2-O
897	Racal	PAPR,HH	3		OV
902	Cabot Safety	Rp,Fm,ON	2	DFMR	CLO2
903	Cabot Safety	Rp,Fm,FF	2	DFMR	CLO2
904	Cabot Safety	Rp,Fm,FF	2	DFMR	CLO2
905	Cabot Safety	Rp,Fm,ON	2	DFMR	OV/CLO2 Pest
906	Cabot Safety	Rp,Fm,FF	2	DFMR	OV/CLO2 Pest
907	Cabot Safety	Rp,Fm,FF	2	DFMR	OV/CLO2 Pest
914	Cabot Safety	Rp,Fm,FF	2	DFMR	OV/CLO2 Pest

915	Cabot Safety	Rp,Fm,FF	2	DFMR	OV/CLO2 Pest
917	MSA	Rp,Fm,ON	2	DM	OV/CH2-O
918	MSA	Rp,Bm,ON	2	DM	OV/CH2-O
919	MSA	Rp,Fm,FF	2	DM	OV/CH2-O
920	MSA	Rp,Bm,ON	2	DM	OV/CH2-O
921	MSA	Rp,Fm,FF	2	DM	OV/CH2-O
922	MSA	Rp,Fm,FF	2	DM	OV/CH2-O
923	MSA	Rp,Fm,ON	2	HA	OV/CH2-O
924	MSA	Rp,Bm,ON	2	HA	OV/CH2-O
925	MSA	Rp,Bm,ON	2	HA	OV/CH2-O
926	MSA	Rp,Fm,FF	2	HA	OV/CH2-O
927	MSA	Rp,Fm,FF	2	HA	OV/CH2-O
928	MSA	Rp,Fm,FF	2	HA	OV/CH2-O
929	MSA	Rp,Fm,ON	2	HA	OV/H2S/ CLO2/Pest NOT APPROVED FOR RADIONUCLIDES
930	MSA	Rp,Bm,ON	2	HA	OV/H2S/ CLO2/Pest NOT APPROVED FOR RADIONUCLIDES
931	MSA	Rp,Fm,FF	2	HA	OV/H2S/ CLO2/Pest NOT APPROVED FOR RADIONUCLIDES

932	MSA	Rp,Bm,ON	2	HA	OV/H2S/ CLO2/Pest NOT APPROVED FOR RADIONUCLIDES
933	MSA	Rp,Fm,FF	2	HA	OV/H2S/ CLO2/Pest NOT APPROVED FOR RADIONUCLIDES
934	MSA	Rp,Fm,FF	2	HA	OV/H2S/ CLO2/Pest NOT APPROVED FOR RADIONUCLIDES
942	National Draeger	Rp,Fm,FF	1	HA	
946	MSA	Rp,Fm,FF	2	DM	H2S/CLO2
947	MSA	Rp,Fm,FF	2	DM	OV/H2S CLO2
951	MSA	Rp,Fm,FF	2	HA	H2S/CLO2
952	MSA	Rp,Fm,FF	2	HA	H2S/CLO2/ OV/Pest
953	MSA	Rp,Fm,FF	2	DFMR	H2S/CLO2/ OV/Pest
957	MSA	Rp,Fm,FF	2	DM	H2S/CLO2
958	MSA	Rp,Fm,FF	2	DM	OV/CH2-O
960	MSA	Rp,Fm,FF	2	HA	OV/CH2-O
961	MSA	Rp,Fm,FF	2	HA	H2S/CLO2/ OV/Pest NOT APPROVED FOR RADIONUCLIDES
965	Critical Products Group	Rp,Fm,ON	2	HA	OV

966	Critical Products Group	Rp,Fm,ON	2	HA	CH2-O
967	Masprot	Rp,Fm,ON	2		OV
968	Masprot	Rp,Fm,ON	2	HA	OV
973	National Draeger	Rp,Fm,FF	1		
981	Cabot Safety	Rp,Fm,FF	2		CLO2/H2S
982	Cabot Safety	Rp,Fm,FF	2	DM	CLO2/H2S
983	Cabot Safety	Rp,Fm,FF	2	DFM	CLO2/H2S
984	Cabot Safety	Rp,Fm,FF	2		CLO2/OV
985	Cabot Safety	Rp,Fm,FF	2	DM	CLO2/OV
986	Cabot Safety	Rp,Fm,FF	2	DFMR	CLO2/OV Pest
995	Cabot Safety	Rp,Fm,FF	2		CLO2/OV
996	Cabot Safety	Rp,Fm,FF	2	DFMR	CLO2/OV Pest
998	Cabot Safety	Rp,Fm,FF	2	DFM	CLO2/OV Pest
1000	Cabot Safety	Rp,Fm,FF	2	HRA	CLO2/H2S
1001	Cabot Safety	Rp,Fm,FF	2	HRA	CLO2/H2S OV/Pest

1008	National Draeger	Rp,Fm,FF	1	OV	
1010	3M	Su,ON	2	HRA	OV/HF
1014	National Draeger	Rp,Fm,FF	1	HA	OV
1020	3M	Su,ON	2	HRA	H2S/CLO2
1021	National Draeger	Rp,Fm,FF	1		
1022	National Draeger	Rp,Fm,FF	1	HA	
1023	Racal	PAPR,HH	3	HRA	OV
1024	Racal	PAPR,HH	3	HRA	OV
1025	Racal	PAPR,HH	3	HRA	OV
1026	Racal	PAPR,HH	3	HRA	OV
1027	Racal	PAPR,HH	3	HRA	OV
1037	Racal	PAPR,FF	1		OV
1042	Willson	Su,ON	2		OV/CLO2
1043	Willson	Su,ON	2	DM	OV/CLO2
1044	Willson	Su,ON	2		CH2-O
1045	Willson	Su,ON	2	DM	
1050	Willson	Su,ON	2	HA	OV/CLO2
1051	Willson	Su,ON	2	HA	CH2-O

1053	Survivair	PAPR,FF	3	HRA	OV
1054	MSA	PAPR,FF	2		CLO2/OV
1056	MSA	PAPR,FF	2	HA	CLO2/OV/ Pest
1057	MSA	PAPR,FF	2	HA	CLO2/OV/ Pest NOT APPROVED FOR RADIONUCLIDES
1060	Hornell Speedglas	PAPR,HH	3	HRA	CH2-O
1061	Scott	Es,Mp	1		H2S/CLO2
1063	3M	Rp,Fm,ON	2		H2S/CLO2
1064	3M	Rp,Fm,ON	2		OV/HF
1068	3M	Rp,Fm,ON	2	DM	CLO2/H2S
1069	3M	Rp,Fm,ON	2	DM	OV/HF
1073	3M	Rp,Fm,ON	2	HRA	H2S/CLO2
1074	3M	Rp,Fm,ON	2	HRA	OV/HF
1077	MSA	Rp,Fm,FF	2	DM	CLO2/H2S
1078	MSA	Rp,Fm,FF	2	DM	CLO2/H2S/ OV
1085	MSA	Rp,Fm,FF	2	HA	CLO2/H2S
1086	MSA	Rp,Fm,FF	2	DM	CLO2/H2S/ OV
1087	MSA	Rp,Fm,FF	2	DFMR	CLO2/H2S/ OV/Pest

1088	MSA	Rp,Fm,FF	2	HA	CLO2/H2S/ OV/Pest
1093	MSA	Rp,Fm,FF	2	HA	CLO2/H2S OV/Pest NOT APPROVED FOR RADIONUCLIDES
1096	North	Su,ON	2		CH2-O
1097	North	Su,ON	2		OV
1100	North	Su,ON	2	DM	CH2-O
1101	North	Su,ON	2	DM	OV
1106	North	Su,ON	2	HR	CH2-O
1107	North	Su,ON	2	HR	OV
1110	North	Su,ON	2	DFM	CH2-O
1111	North	Su,ON	2	DFM	OV
1124	Racal	Rp,Fm,FF	1		OV
1125	Racal	Rp,Fm,FF	1	HRA	OV
1126	Racal	Rp,Fm,FF			CH2-O
1127	Racal	Rp,Fm,FF		HRA	CH2-O
1131	Survivair	Su,ON	2		CH2-O
1132	Survivair	Su,ON	2		OV/CLO2
1140	Willson	Rp,Fm,ON	2		OV/CLO2 H2S/HF
1141	Willson	Rp,Fm,ON	2		CH2-O/H2S

1144	Willson	Rp,Fm,ON	2		OV/CLO2/ H2S
1147	Willson	Rp,Fm,ON	2	DM	OV/CLO2 H2S/HF
1148	Willson	Rp,Fm,ON	2	DM	CH2-O/H2S
1152	Willson	Rp,Fm,ON	2	DFM	OV/CLO2 H2S/HF
1153	Willson	Rp,Fm,ON	2	DFM	CH2-O/H2S
1156	Willson	Rp,Fm,ON	2	HA	OV/H2S
1158	MSA	Rp,Fm,FF	2	DM	CLO2/H2S
1159	MSA	Rp,Fm,FF	2	DM H2S	OV/CLO2/ H2S
1163	MSA	Rp,Fm,FF	2	HA	H2S/CLO2
1164	MSA	Rp,Fm,FF	2	HA	OV/CLO2/ H2S/Pest
1165	MSA	Rp,Fm,FF	2	DFMR	OV/CLO2/ H2S/Pest
1169	MSA	Rp,Fm,FF	2	DM	OV/CLO2/ H2S
1170	MSA	Rp,Fm,FF	2	DM	OV/CH2-O
1171	MSA	Rp,Fm,FF	2	HA	OV/CH2-O
1172	MSA	Rp,Fm,FF	2	HA	OV/CLO2/ H2S/Pest NOT APPROVED FOR RADIONUCLIDES
1177	MSA DE CHILI	Rp,Fm,ON	2		CLO2/H2S

1178	MSA DE CHILI	Rp,Fm,ON	2		OV/CLO2/ H2S
1179	MSA DE CHILI	Rp,Fm,ON	2	HA	CLO2/H2S
1180	MSA DE CHILI	Rp,Fm,ON	2	DFMR	OV/CLO2/ H2S
1182	Racal	PAPR,HH	3	HRA	OV
1183	Racal	PAPR,HH	3		OV
1190	MSA	Rp,Fm,FF	2	DM	CLO2/H2S
1191	MSA	Rp,Fm,FF	2	DM	OV/CLO2/ H2S
1195	MSA	Rp,Fm,FF	2	HA	CLO2/H2S
1196	MSA	Rp,Fm,FF	2	HA	OV/CLO2/ H2S/Pest
1197	MSA	Rp,Fm,FF	2	DFMR	OV/CLO2/ H2S/Pest
1201	MSA	Rp,Fm,FF	2	DM	OV/CLO2/ H2S
1202	MSA	Rp,Fm,FF	2	DM	OV/CH2-O
1203	MSA	Rp,Fm,FF	2	HA	OV/CH2-O
1204	MSA	Rp,Fm,FF	2	HA	OV/CLO2/ H2S/Pest NOT APPROVED FOR RADIONUCLIDES
1216	Racal	PAPR,FF	1	HRA	OV
1217	Scott	Es,Mp	1	DM	H2S/CLO2

1219	National Draeger	Rp,Fm,FF	1	DM	OV
1221	National Draeger	Rp,Fm,FF	1	DM	CH2-O
1224	Moldex	Rp,Fm,Su,ON	2		CLO2/HF/ H2S
1225	Moldex	Rp,Fm,Su,ON	2		CLO2/HF/ OV
1231	Cabot Safety	Rp,Fm,ON	2		H2S/CLO2
1232	Cabot Safety	Rp,Fm,ON	2	DM	H2S/CLO2
1233	Cabot Safety	Rp,Fm,ON	2	DFMR	H2S/CLO2
1234	Cabot Safety	Rp,Fm,ON	2	HRA	H2S/CLO2
1235	Cabot Safety	Rp,Fm,ON	2		OV/CLO2
1236	Cabot Safety	Rp,Fm,ON	2	DM	OV/CLO2
1237	Cabot Safety	Rp,Fm,ON	2	DFMR	OV/CLO2/ Pest
1238	Cabot Safety	Rp,Fm,ON	2	HRA	OV/CLO2/ Pest
1248	Cabot Safety	Rp,Fm,ON	2	DFMR	OV/CLO2/ Pest
1250	MSA	PAPR,ON	2		OV/CLO2

1252	MSA	PAPR,ON	2	HA	OV/CLO2/ Pest
1253	MSA	PAPR,ON	2	HA	OV/CLO2/ Pest NOT APPROVED FOR RADIONUCLIDES
1271	Survivair	Su,ON	2	DM	CH2-O
1272	Survivair	Su,ON	2	DM	CLO2/H2S/ OV
1275	Survivair	Su,ON	2	DFM	CLO2/H2S/ OV
1277	MSA	Rp,Fm,ON	2		H2S/CLO2
1278	MSA	Rp,Fm,ON	2		H2S/CLO2/ OV
1281	MSA	Rp,Fm,ON	2	HA	H2S/CLO2
1282	MSA	Rp,Fm,ON	2	HA	H2S/CLO2/ OV NOT APPROVED FOR RADIONUCLIDES
1282	Critical Services	Su,ON	2	HA	H2S/CLO2/ OV/Pest NOT APPROVED FOR RADIONUCLIDES
1283	MSA	Rp,Fm,ON	2	HA	H2S/CLO2/ OV/Pest
1287	Hornell Speedglas	PAPR,HH	3	HRA	CH2-O
1304	National Draeger	Rp,Fm,ON	1		CH2-O
1307	National Draeger	Rp,Fm,ON	1		OV

1310	National Draeger	Rp,Fm,ON	1	HA	OV
1311	National Draeger	Rp,Fm,ON	1	HA	
1312	MSA	PAPR,ON	2		CLO2/H2S
1313	MSA	PAPR,ON	2	HA	CLO2/H2S
1314	MSA	PAPR,ON	2	HA	CLO2/H2S NOT APPROVED FOR RADIONUCLIDES
1315	MSA	PAPR,FF	2		CLO2/H2S
1316	MSA	PAPR,FF	2	HA	CLO2/H2S
1317	MSA	PAPR,FF	2	HA	CLO2/H2S NOT APPROVED FOR RADIONUCLIDES
1320	3M	Su,ON	2	DM	CLO2/H2S
1321	3M	Rp,Fm,ON	2	DM	CLO2/H2S
1322	3M	Su,ON	2	DM	OV/HF
1323	3M	Rp,Fm,ON	2	DM	OV/HF
1330	3M	Su,ON	2	HR	H2S/CLO2 NOT APPROVED FOR RADIONUCLIDES
1331	3M	Rp,Fm,ON	2	HR	H2S/CLO2 NOT APPROVED FOR RADIONUCLIDES
1332	3M	Su,ON	2	HR	OV,HF NOT APPROVED FOR RADIONUCLIDES
1333	3M	Rp,Fm,ON	2	HR	OV,HF NOT APPROVED FOR RADIONUCLIDES

1339	Moldex-Metric	Rp,Fm,ON	2	DM	HF/CLO2/ H2S
1340	Moldex-Metric	Rp,Fm,ON	2	DM	OV/CLO2
1342	Moldex-Metric	Rp,Fm,ON	2	DM	CLO2/H2S/ HF
1343	Moldex-Metric	Rp,Fm,ON	2	DM	CLO2/HF
1347	Survivair	PAPR,ON	3	HRA	OV
1360	Cabot	Rp,Fm,FF	2		OV/CLO2
1362	Cabot	Rp,Fm,FF	2	HRA	OV/CLO2 Pest
1366	MSA	Rp,Fm,ON	2		OV/CH2-O
1367	MSA	Rp,Fm,ON	2	HRA	OV/CH2-O
1371	MSA	Rp,Fm,FF	2		
1374	MSA	Rp,Fm,FF	2	HRA	
1375	MSA	Rp,Fm,FF	2	HRA	NOT APPROVED FOR RADIONUCLIDES
1379	MSA	Rp,Fm,FF	2		OV/CH2-O
1380	MSA	Rp,Fm,FF	2	HRA	OV/CH2-O
1382	MSA	Rp,Fm,FF	2		OV/CLO2/H2S

1383	MSA	Rp,Fm,FF	2	HRA	OV/CIO2/H2S Pest
1388	Cabot	Rp,Fm,FF	2		CLO2/H2S
1389	Cabot	Rp,Fm,FF	2	DM	CLO2/H2S
1390	Cabot	Rp,Fm,FF	2	DFMR	CLO2/H2S
1391	Cabot	Rp,Fm,FF	2	HRA	CLO2/H2S
1392	Cabot	Rp,Fm,FF	2	DM	OV/CLO2
1393	Cabot	Rp,Fm,FF	2	DFMR	OV/CLO2 Pest
1403	Cabot	Rp,Fm,FF	2	DFM	OV/CLO2 Pest
1404	Cabot	Es,Mp	2	DM	CLO2/H2S