



NIOSH Reference: TN-16121  
Mfr. Reference: MSA0825

Centers for Disease Control  
and Prevention (CDC)  
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Safety and Health (NIOSH)  
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March 23, 2009

Ms. Katie Davis, Approvals Coordinator  
Safety Products Division  
Mine Safety Appliances Company  
PO Box 439  
Pittsburgh, Pennsylvania 15230



Dear Ms. Davis:

The National Institute for Occupational Safety and Health (NIOSH) has reviewed your request dated January 9, 2009. This request was for approval of the new Advantage 420 Half Mask Air Purifying Respirator (APR) with various particulate filters, chemical cartridges, and combination chemical and particulate cartridges as described on the assembly matrix 3102-584AM\_r0.xls.

This request is granted. Approvals are granted only for documentation written in the English language. It is the manufacturer's responsibility to correctly translate materials desired in languages other than English. The approval numbers have been assigned as shown in the following table:

APPROVAL NUMBER TC- AS SHOWN	DESCRIPTION	CARTRIDGE/ FILTER	PROTECTION <sup>1</sup>
84A-4992	Advantage 420 Half Mask Air Purifying Respirator	814921 or 814922	P100
84A-4993	Advantage 420 Half Mask Air Purifying Respirator	815303	P100
84A-4994	Advantage 420 Half Mask Air Purifying Respirator	816291	N95

23C-2451	Advantage 420 Half Mask Air Purifying Respirator	459315 or 815141	OV
84A-4995	Advantage 420 Half Mask Air Purifying Respirator	815141 / 814628	N95/OV
84A-4996	Advantage 420 Half Mask Air Purifying Respirator	815141 / 814627	R95/OV
84A-4997	Advantage 420 Half Mask Air Purifying Respirator	814923	P100/OV
84A-4998	Advantage 420 Half Mask Air Purifying Respirator	815145 or 814926	P100/OV
84A-4999	Advantage 420 Half Mask Air Purifying Respirator	459315 / 816291	N95/OV
84A-5000	Advantage 420 Half Mask Air Purifying Respirator	459315 / 816285	R95/OV
23C-2452	Advantage 420 Half Mask Air Purifying Respirator	815142 or 459316	CL/HC/SD/CD/ HS(escape)
84A-5001	Advantage 420 Half Mask Air Purifying Respirator	814925	P100/CL/HC/SD/CD/ HS(escape)
84A-5002	Advantage 420 Half Mask Air Purifying Respirator	815146	P100/CL/HC/SD/CD/ HS(escape)
84A-5003	Advantage 420 Half Mask Air Purifying Respirator	815142 / 814628	N95/CL/HC/SD/CD/ HS(escape)

84A-5004	Advantage 420 Half Mask Air Purifying Respirator	815142 / 814627	R95/CL/HC/SD/CD/ HS(escape)
84A-5005	Advantage 420 Half Mask Air Purifying Respirator	459316 / 816291	N95/CL/HC/SD/CD/ HS(escape)
84A-5006	Advantage 420 Half Mask Air Purifying Respirator	459316 / 816285	R95/CL/HC/SD/CD/ HS(escape)
23C-2453	Advantage 420 Half Mask Air Purifying Respirator	815139 or 459317	OV/CL/HC/SD/CD/ HS(escape)
84A-5007	Advantage 420 Half Mask Air Purifying Respirator	814902	P100/OV/CL/HC/SD/ CD/HS(escape)
84A-5008	Advantage 420 Half Mask Air Purifying Respirator	815140 or 814916	P100/OV/CL/HC/SD/ CD/HS(escape)
84A-5009	Advantage 420 Half Mask Air Purifying Respirator	815139 / 814628	N95/OV/CL/HC/SD/CD /HS(escape)
84A-5010	Advantage 420 Half Mask Air Purifying Respirator	815139 / 814627	R95/OV/CL/HC/SD/CD /HS(escape)
84A-5011	Advantage 420 Half Mask Air Purifying Respirator	459317 / 816291	N95/OV/CL/HC/SD/CD /HS(escape)
84A-5012	Advantage 420 Half Mask Air Purifying Respirator	459317 / 816285	R95/OV/CL/HC/SD/CD /HS(escape)
23C-2454	Advantage 420 Half Mask Air Purifying Respirator	815143 or 459318	AM/MA

84A-5013	Advantage 420 Half Mask Air Purifying Respirator	814924	P100/AM/MA
84A-5014	Advantage 420 Half Mask Air Purifying Respirator	815147	P100/AM/MA
84A-5015	Advantage 420 Half Mask Air Purifying Respirator	815143 / 814628	N95/AM/MA
84A-5016	Advantage 420 Half Mask Air Purifying Respirator	815143 / 814627	R95/AM/MA
84A-5017	Advantage 420 Half Mask Air Purifying Respirator	459318 / 816291	N95/AM/MA
84A-5018	Advantage 420 Half Mask Air Purifying Respirator	459318 / 816285	R95/AM/MA
84A-5019	Advantage 420 Half Mask Air Purifying Respirator	814903	P100/OV
84A-5020	Advantage 420 Half Mask Air Purifying Respirator	815638	P100/OV
23C-2455	Advantage 420 Half Mask Air Purifying Respirator	815144	MV/CL
84A-5021	Advantage 420 Half Mask Air Purifying Respirator	814905	P100/MV/CL
84A-5022	Advantage 420 Half Mask Air Purifying Respirator	815148	P100/MV/CL

84A-5023	Advantage 420 Half Mask Air Purifying Respirator	815144 / 814628	N95/MV/CL
84A-5024	Advantage 420 Half Mask Air Purifying Respirator	815144 / 814627	R95/MV/CL
23C-2456	Advantage 420 Half Mask Air Purifying Respirator	815298 or 492772	OV/CL/HC/SD/AM/MA /CD/HS(escape)/FM/HF /ND
84A-5025	Advantage 420 Half Mask Air Purifying Respirator	814904	P100/OV/CL/HC/SD/ AM/MA/CD/HS(escape) /FM/HF/ND
84A-5026	Advantage 420 Half Mask Air Purifying Respirator	815300	P100/OV/CL/HC/SD/ AM/MA/CD/HS(escape) /FM/HF/ND
84A-5027	Advantage 420 Half Mask Air Purifying Respirator	815298 / 814628	N95/OV/CL/HC/SD/ AM/MA/CD/HS(escape) /FM/HF/ND
84A-5028	Advantage 420 Half Mask Air Purifying Respirator	815298 / 814627	R95/OV/CL/HC/SD/AM /MA/CD/HS(escape)/F M/HF/ND
84A-5029	Advantage 420 Half Mask Air Purifying Respirator	492772 / 816291	N95/OV/CL/HC/SD/ AM/MA/CD/HS(escape) /FM/HF/ND
84A-5030	Advantage 420 Half Mask Air Purifying Respirator	492772 / 816285	R95/OV/CL/HC/SD/AM /MA/CD/HS(escape)/F M/HF/ND
84A-5031	Advantage 420 Half Mask Air Purifying Respirator	818322 or 818323 or 818324	P100
84A-5032	Advantage 420 Half Mask Air Purifying Respirator	818326 or 818327	N95

84A-5033	Advantage 420 Half Mask Air Purifying Respirator	818334 or 818334	P95
84A-5034	Advantage 420 Half Mask Air Purifying Respirator	10054671	P95/HF

<sup>1</sup>Protection - Codes are defined on the enclosed approval labels.

The CD enclosed with this letter contains the final respirators, filters, and cartridges approval labels. The cautions and limitations which apply to these approvals are on the approval labels. Only those assemblies affected by this request, or where new approval numbers are assigned, apply to this approval action. Production approval labels cannot include information on unapproved configurations.

The approved assemblies consist of the parts as listed on the approval labels and the assembly matrix. Parts are to be marked with the numbers indicated on the approval labels in a legible and permanent manner (marking cannot be removed without evidence of its previous presence).

This certificate of approval is not an endorsement of the respirators by NIOSH, and such endorsement shall not be stated or implied in advertisements or other publicity. However, you may publicize the fact that these respirators have met the requirements of Title 42, *Code of Federal Regulations*, Part 84.

No changes may be made to any respirators and accompanying documentation without prior written approval of NIOSH. Requests for changes must be submitted to NIOSH and a modification of this approval must be granted before changes are made.

Sincerely yours,



Heinz W. Ahlers  
Chief, Technology Evaluation Branch  
National Personal Protective Technology Laboratory

Enclosures