



ADVANCED SPECIALTY GASES®

135 CATRON DRIVE RENO, NV 89512
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MIL-SPEC Refrigerant Gas

R-401a (Halocarbon 401a)

Chemical Formula: CHClF_2 , $\text{C}_2\text{H}_4\text{F}_2$, C_2HClF_4

DOT name: Liquefied Gas n.o.s. (Chlorodifluoromethane, chlorotetrafluoroethane, difluoroethane)

Hazard Class: 2.2

UN#: 3163

CAS#: 75-45-6, 75-37-6, 2837-89-0

Chemical Parameter	AHRI Requirements	Typical Analysis	Units
R-401a, Assay	97.98	99.33	%
Air & Other Non-condensable Gas (NCG)	1.5	0.6	% by volume @ 25°C
Water	10	8	ppm by weight
All Other Volatile Impurities	0.5	0.06	% by weight
High Boiling Residue	0.01	<0.01	% by volume
Halogenated Unsaturated Volatile Impurities	40	<40	ppm by weight
Particulates/ Solids	Pass	pass	Visually clean to pass
Acidity	1	<1.0	ppm by weight
Chloride	Pass	pass	No visible turbidity