US Vanadium

Product Specification

Vanadium Oxytrichloride ($VOCl_3$)

CHEMISTRY

Major Elements			
	Min.	Aim	Max.
Vanadium (Total)	29.1%	29.4%	29.7%
Vanadium (V^{+4})			0.03%
Chloride (Cl)	60.2%	61.0%	62.0%
Aluminum (Al)			0.003%
Copper (Cu)			0.001%
Iron (Fe)			0.008%
Manganese (Mn)			0.001%
Molybdenum (Mo)			0.005%
Nickel (Ni)			0.001%

PHYSICAL CHARACTERISTICS

Color Specification	
Typical Color:	9 Gardner Scale (ASTM 1544)
Maximum Color:	10 Gardner Scale (ASTM 1544)
Physical Properties	
Freezing Point:	-77°C (-106.6°F)
Boiling Point:	126°C (260.1°F)
Bulk Density:	114 lbs/ft³.
Specific Gravity:	1.82 g/cc
Appearance	
Yellow Liquid	
Standard Packaging	
Bulk tanker or 250-gallon (950-liter) DOT or IMO containers containing 3,000 lbs. (1,360 kg) of product.	

Vanadium Oxytrichloride ($VOCl_3$) is a high-purity product produced at our ISO 9001:2015 certified Hot Springs, Arkansas facility.
US Vanadium's vanadium oxytrichloride is a high-purity catalyst used in the production of EPDM rubber; it is also blended with titanium tetrachloride at the Hot Springs plant to form vanadium-titanium mixes for polyethylene production.

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Director of Technology Approval	Chad Martin
Quality Manager Approval	Robert Elliott

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