

VANADIUM CHLORIDES

MSSA (Métaux Spéciaux)

is a French company using its own Chlorine to produce Vanadium Chlorides through a Carbochlorination of V_2O_5 .



QUALITY

- Stability and long shelf lifetime.
- Able to connect all standard fittings (US, Asian and European fittings).
- Approved catalyst for SCLAIRTECH process in Asian, US and European countries.



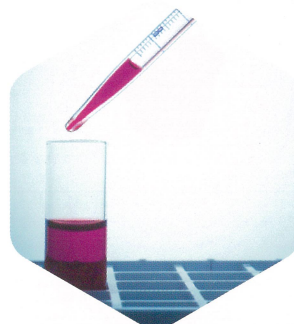
Worldwide
DELIVERIES



300 t
PRODUCTION/YEAR

Main applications

- ETHYLENE PROPYLENE DIENE MONOMER (EPDM) CATALYST
- POLYETHYLENE (PE) CATALYST



Contact support
Vanadium chlorides

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sales@metauxspeciaux.fr

Technical quality VOCl_3

	SPECIFICATIONS	TYPICAL
VOCl3	99,8 % min	99.9% max
V (IV)	≤ 300 ppm	≤ 200 ppm
Free Chlorine	<100 ppm	≤ 50 ppm
Fe	< 100 ppm	<20 ppm
Si	< 100 ppm	< 20 ppm
Gardner index	<8	7

VCl_3	VCl_4	$\text{VOCl}_3/\text{TiCl}_4$
CAS 7718-98-1	CAS 7632-51-1	CAS 7550-45-0
UN 2475	UN 2444	UN 3390
Class 8	Class 8	Class 6.1(8)
PG III	PG I	PG II

Technical quality VCl_4

	SPECIFICATIONS	TYPICAL
VCl4	98 % min	99.5% max
VOCl3	< 1%	< 0,5%
V5+	< 0,3%	<0,25%
Free Chlorine	<500 ppm	≤ 100 ppm
IRON	< 100 ppm	< 20 ppm

Technical quality VCl_3

	SPECIFICATIONS	TYPICAL
(V)	32 ± 0,5%	32%
(Cl-)	67 ± 1%	67%
Insoluble H2O	0,25 ± 0,25%	0,15%
Fe	0,03 ± 0,03%	0,03%

Technical Quality mixtures ($\text{VOCl}_3 / \text{TiCl}_4$)

CAB Catalyst: 80% VOCl_3 - 20% TiCl_4

CAB-2 Catalyst: 50% VOCl_3 - 50% TiCl_4

CAB-3 Catalyst: 65% VOCl_3 - 35% TiCl_4



Packaging and deliveries

FLEET OF 80 TANKS

800 to 2500 liters capacity
(Operating pressure up to
15 bar - 215 psi)

SPECIAL PACKAGING

Upon request

APPROVED FOR

IMO & USDOT, IATA, RID, ADR



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