

SPECIFICATION AND DATA SHEET

Elementis Chromium
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CA21 – CHROMIC ACID

GENERAL DESCRIPTION AND CHARACTERISTICS

Dark red free flowing crystals, Approx. 2mm in diameter.
Synonyms; Chromium trioxide, Chromic anhydride, Chromium (VI) oxide.
Molecular formula, CrO_3 .
Molecular weight, 99.99.
EEC no. 215-607-8.
CAS no. 1333-82-0.
True density 2.7g/cm³.
Bulk density approx. 1.7 g/cm³
Very hygroscopic and deliquesces readily in air.
Soluble in water (62%w/w @20c), forming a strong acid which is corrosive and oxidising.
Melting point 196c, decomposes releasing oxygen with further heating.

SPECIFIED CHARACTERISTICS – Plating grade

	<u>Maximum</u>	<u>Minimum</u>
%CrO ₃		99.7
%SO ₄	0.10	
%Na	0.03	
%Cl	0.005	
%Insoluble	0.01	

PACKAGING

This product is available in;
a] 50kg steel drums with locking ring, 18/pallet.
b] 200kg steel drums with locking ring, 4/pallet.

A DETAILED SAFETY DATA SHEET IS AVAILABLE ON REQUEST