



Product Specification

Product Name: CHROMIUM TRIOXIDE LR

Alternate Name(s) CHROMIUM TRIOXIDE, ANHYDROUS; Chromic acid; Chromic anhydride;
Description Chromium (VI) oxide.
Dark purplish-red crystals.

Properties

Chemical Formula: CrO_3
Molecular Weight: 99.99

Product Code: CL097
CAS No. 1333-82-0

General Information:

Soluble in alcohol and mineral acids. Incompatible with Most organic substances, acids, metals, combustible materials, halogenated materials and reducing agents. Toxic if swallowed. Causes severe burns.

Quality Specification

Assay: 99.7 % min

Specific Properties and Impurities [Typical levels]:

Sulfate	≤ 0.08%
Insolubles	≤ 0.01 %
Chloride	≤ 0.01 %
Iron	≤ 0.01 %
Specific Gravity (g/cm ³)	2.7
Bulk density	1.4
pH (10 g/l @ 20 °C)	~ 1
Melting Point	197.0 °C
Solubility in Water (by wt% @ 20 °C)	52.0

Hazard and Safety Data

UN Group: II
Class: 5.1
UN Number: 1463
Hazchem code: 2W
CS MSDS Code: 1CH1X
Poison schedule: S6
Emergency
Procedure Guide No.: 31

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