



Specialized in chemicals

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Technical Data Sheet

Chromic anhydride

Product Information

Chemical Name	Chromic anhydride
CAS #	1333-82-0
Formula	CrO3
Molecular Weight	99.9943
Synonyms	Chromic anhydride;Chromium trioxide;

Chemical Structure



Description

Dark red flake, Melting point 196 °C (dec.) strong oxidizability,extremely deliquesces and dissolves in water. Flammable in contact with organic material.

Physical Properties

Melting point, °C .	196
Boiling range, °C	201 – 206
Density g/cm3	2.7
Freezing point, °C	170--172

Specification

Item	Top grade	First grade
Chromic anhydride(CrO3) %	≥99.8	≥99.7
Sulfate (SO4) %	≤0.05	≤0.10
Water insolubles %	≤0.01	≤0.03
Sodium (Na) %	≤0.04	---
Turbidity %	≤5	≤15

Safety

1.Class 5.1,UN1463

2.Always refer to the Material Safety Data Sheet (MSDS)

Applications

1. Printing and dyeing industry used as oxidant,
2. Paint industry for the production of zinc chrome yellow, chrome oxide green, etc.,
3. Used in the production of low organic industry change in the catalyst, instrument than the agent, the oxidation catalyst and high pressure method methanol catalyst, etc
4. Wood preservation, waterproof agent production and high purity metal chromium electrolysis

Packaging

250kg per drum.
20mt per 20ft container

Storage & Handling

Do not store together with flammable material,e.g.Oil,ethyl,alcohol and soda etc.

Always refer to the Material Safety Data Sheet (MSDS) for detailed information on handling and disposal.

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