

Industrial Chromium Trioxide Crystals

Cat. No. CEGZ-6331

Lot. No. (See product label)

Introduction

Description

Industrial chromium trioxide is a purple-red crystalline inorganic oxidizer. The industrial material is supplied as dark-red flakes and is readily deliquescent.

Applications

Used for chromium plating, metal passivation, preparation of chromium-containing catalysts and chrome-yellow pigments, oxidizing-agent applications, and wood-preservation formulations.

Product Information

Appearance

Purple-red needle-like crystals; industrial material is dark-red flakes.

Form

Crystalline or flake solid

Molecular Formula

CrO₃

Molecular Weight

99.99

Thermal stability

Decomposes at 200-250°C with oxygen release.

Solubility

Soluble in water, sulfuric acid, alcohol, and ether.

Quality

Superior grade: CrO₃ ≥99.8%; water-insoluble matter ≤0.01%; sulfate (as SO₄) ≤0.05%; sodium (Na) ≤0.04%; turbidity ≤5. First grade: CrO₃ ≥99.6%; water-insoluble matter ≤0.03%; sulfate (as SO₄) ≤0.10%; turbidity ≤15. Qualified grade: CrO₃ ≥99.2%; water-insoluble matter ≤0.05%; sulfate (as SO₄) ≤0.20%.

Usage and Packaging

Package

25 kg or 50 kg package.

Storage and Shipping Information

Storage

Keep tightly sealed.