

Chromic Acid (Chromium Trioxide)

Chromium(VI) oxide for professionally controlled chromium plating and industrial oxidation.

CAS No. 1333-82-0	EC / List No. 215-607-8	Transport Class 5.1 — Oxidizer; subsidiary risks 6.1 and 8
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Product Information

Chromium(VI) oxide for professionally controlled chromium plating and industrial oxidation.

Specifications

Parameter	Specification
Appearance	Brownish-red flakes
CrO ₃ content	≥99.80 %
Sulfate	≤0.05 %
Sodium	≤0.02 %
Water-insoluble matter	≤0.02 %
Turbidity	≤5 NTU
Iron	≤0.005 %

Grade-specific supply limits. The agreed specification and batch COA govern delivery.

Typical Properties

Property	Typical Value
Molecular formula	CrO ₃
Molecular weight	99.99 g/mol

Applications

Controlled chromium plating: Chromium(VI) raw material for qualified chromium-plating processes.

Industrial metal finishing: Ingredient for established surface-treatment processes operated with appropriate exposure control.

Oxidation and catalyst chemistry: Oxidizing raw material for technically supervised industrial synthesis or catalyst-related processes.

Packaging / Storage

Item	Information
Packing	50 kg net compatible dangerous-goods drums
Storage	Keep locked, tightly sealed, dry and cool in compatible original containers. Segregate from combustible or organic materials, reducing agents, ammonia and incompatible reactants. Protect against heat, moisture and contamination.
Handling	Use closed transfer and effective extraction to prevent chromium(VI) dust exposure. Wear task-qualified chemical-resistant gloves, protective clothing and eye/face protection. Restrict access, maintain emergency washing facilities and use a qualified respiratory-protection programme.

Company Contact

Supplier	Hainan Zhongxin Chemical Co., Ltd. (ZXCHEM)
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