

Selenium Dioxide

Selenium oxide for technically controlled manganese electrolysis and chemical oxidation processes.

CAS No. 7446-08-4	EC / List No. 231-194-7	Transport Class 6.1 — Toxic
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Product Information

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Specifications

Parameter	Specification
Appearance	White crystalline powder
Selenium content, as elemental Se	≥70.0 %
Moisture	≤0.2 %
Water-insoluble matter	≤0.05 %
Tellurium, Te	≤100 ppm
Chromium, Cr	≤30 ppm
Lead, Pb	≤30 ppm

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

Typical Properties

Property	Typical Value
Molecular formula	SeO ₂
Molecular weight	110.96 g/mol

Applications

Electrolytic manganese processes: Selenium-containing additive for qualified electrolytic manganese production.

Organic oxidation chemistry: Reagent for technically supervised organic oxidation development.

Chemical reagent and process development: Selenium oxide raw material for selected chemical processes and analytical development.

Packaging / Storage

Item	Information
Packing	25 kg drums
Storage	Keep tightly sealed, dry and cool in a well-ventilated, locked area with secondary containment. Protect from moisture and heat, restrict access and segregate from incompatible reactive materials.
Handling	Use closed transfer and effective local dust extraction. Wear task-qualified chemical-resistant gloves, goggles and protective clothing; use suitable respiratory protection where engineering controls cannot prevent exposure. Avoid dust, ingestion and contact; prevent any release to drains.

Company Contact

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