

Sodium Nitrite

Industrial nitrite reagent for controlled dye synthesis, metal treatment and chemical processing.

CAS 7632-00-0	EC 231-555-9	Transport Class 5.1 (6.1) · UN 1500 · PG III
------------------	-----------------	---

Product Information

Sodium nitrite is an inorganic nitrite used in controlled industrial processes. The supplied sheet specifies at least 99.0% on a dry basis, with chloride, insolubles, nitrate and moisture limits. It is an oxidizer and toxic if swallowed; accidental ingestion can cause methemoglobinemia and requires urgent medical care.

Specifications

Parameter	Specification
Appearance	White to light-yellow crystalline solid
Sodium nitrite, dry basis	≥99.0 %
Chloride, as NaCl, dry basis	≤0.1 %
Water-insoluble matter, dry basis	≤0.05 %
Sodium nitrate, dry basis	≤0.80 %
Moisture	≤1.4 %

Typical Properties

Property	Typical Value
Molecular formula (component)	NaNO ₂
Molecular weight (component)	69.00 g/mol

Applications

Dye intermediate synthesis: Evaluate nitrite in professionally controlled diazotization and related chemical synthesis.

Metal-treatment processing: Assess relevant metal-treatment formulations using the required nitrite assay and ionic-impurity limits.

Industrial formulation qualification: Compare the dry-basis assay and moisture separately when defining a purchasing specification.

Packaging / Storage

Item	Information
Packaging	25 kg net woven bags with sealed liners; confirm approved dangerous-goods packaging for shipment.
Storage	Store dry, tightly closed and secured in a cool, ventilated place protected from heat, sunlight and moisture. Separate from acids, ammonium salts, reducers, organics and combustible materials.

Company Contact

Supplier	Hainan Zhongxin Chemical Co., Ltd. (ZXCHEM)
Shanghai office	Room 1001, Building A, Caohejing Center, No. 1520 Gumei Road, Xuhui District, Shanghai, China
Telephone / Email	+86-21-54265599 / sales@zxchem.com.cn
Website	www.zxchem.com