



Sulfuric Acid 98%

Wintersun Code: 19-091-02

CAS Number: 7664-93-9

Molecular Formula: H₂SO₄

Molecular Weight: 98.07 g/mol

Applications

Sulfuric acid is used in the manufacture of phosphate fertilizers, pigments, dyes, drugs, explosives, detergents, glues, wood preservatives and inorganic salts and acids, as well as in petroleum refining and metallurgical processes. Sulfuric acid is also used in large quantities by the iron and steel making industry to remove oxidation, rust and scaling from rolled sheet and billets prior to sale to the automobile and major appliance industry. Sulfuric acid at high concentrations is frequently the major ingredient in domestic acidic drain cleaners. In one of its most familiar applications, sulfuric acid serves as the electrolyte in lead–acid storage batteries.

Functions

- Processing Agent
- Pulping Agent
- Electrolyte
- Catalyst
- Cleaning Agent

Sales Specification

- Purity(as H₂SO₄)% BY MASS: Min 98.00
- Specific Gravity at 20 °C: 1.84
- Residue on Ignition % By Mass: Max 0.20
- Iron 9 (As Fe)% By Mass: Max 0.050
- Chloride 9 (Cl) % By Mass: -
- Arsenic (As)% By Mass Max: 0.004
- Lead (As Pb) % By Mass Max: 0.005
- Oxidisable Impurities(As SO₂%) By Mass: - 0.0029
- Color: Colorless

Packing

661.38 LB drum, 4 drums per pallet

DOT Transportation

UN No.: 1830

Proper Shipping Name: Sulfuric Acid

Hazard Class: 8

Packing Group: II



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Nitric Acid 68%

Wintersun Code: 14-046

CAS Number: 7697-37-2

Molecular Formula: HNO₃

Applications

The main industrial use of nitric acid is it is used for the production of fertilizers. The other main applications are for the production of explosives, nylon precursors, and specialty organic compounds. It has also been used in various forms as the oxidant in liquid fueled rockets. Nitric Acid is also used in metal processing as an oxidant and used as an analytical reagent in elemental analysis. It is also used in low concentrations in wood working, for artificially aging pine and maple. Nitric Acid is also used in the cleaning industry as an etchant, degreaser and cleaning agent.

Functions

- Acidifier
- Oxidant
- Analytical reagent
- Etchant
- Cleaning Agent
- Degreaser

Specifications

- HNO₃: 68.0 wt% Min
- HNO₂: 100 ppm Max
- Cl: 4 ppm Max
- Fe: 4 ppm Max
- Ig-Residue: 100 ppm Max
- Pb: 0.1 ppm Max
- Arsenic: 3 ppm Max
- Gravity (20°C, Sp.Gr): 1.405 Min

Packing

617.288 LB drum, 4 drums per pallet

DOT Transportation

UN/NA: 2031

Proper Shipping Name: NITRIC ACID (other than red fuming with at least 65%,but not more than 70% nitric acid)

Hazard Class: 8, 5.1

Packing Group:II



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