



8820 Old Hwy 99 SE, Tumwater, Washington 98501, USA
360-943-6063 800-562-6184 FAX 360-352-4813 www.ch2o.com

**Product
Bulletin**

SULFURIC ACID, 50% FCC/NSF INORGANIC ACID FOR USE IN FOOD-RELATED APPLICATIONS

APPLICATION

Sulfuric acid is categorized by the U.S. Food and Drug Administration (FDA) as generally recognized as safe (GRAS) when used in food according to FDA's good manufacturing practices. According to 21 CFR 184.1095, sulfuric acid may be used as a pH control agent as defined in 21 CFR 170.3(o)(23)2 and as a processing aid as defined in 21 CFR 170.3(o)(24)3. Sulfuric acid is allowed at a maximum amount of 0.014% in alcoholic beverages (as defined in 21 CFR 170.3[n][2]) and 0.0003% in cheeses (as defined in 21 CFR 170.3[n][5]). Sulfuric acid is regulated as a food additive used to manufacture modified hop extract (21 CFR 172.560[b][6]). It is also permitted as a pH reducer for modified food starch (21 CFR 172.892[a]). Additionally, sulfuric acid is permitted for use as an indirect food additive as a component of paper and paperboard in contact with dry food (21 CFR 176.180) and aqueous and fatty foods (21 CFR 176.170).

Nitrate: <=10 mg/kg on 100% basis
Chlorides: <= 50 mg/kg
Iron: <=200 mg/kg
Selenium: <=20 mg/kg
Lead: <= 2 mg/kg
Reducing
Substances: <=50 mg/kg as SO2

GENERAL DIRECTIONS

Use as required for pH control. This product is a strong acid and may cause damage to equipment or personnel if improperly handled and applied. The conditions of use are beyond our control; therefore, CH₂O disclaims any damage that may occur.

Seller Warranty

CH₂O brand test reagent refills are available through your sales representative at no charge. Customers are required to confirm product compatibility via a control test for their specific application. CH₂O recommends that you perform regular/daily testing to control chemical levels and cycles of concentration within established limits. Additional tests may be performed at your request. Test reports reflect conditions at the point when the analysis was performed. Results will change over time and with varying operating conditions.

Seller warrants that this product conforms to its chemical description and is reasonably fit for the purpose referred to in the product data sheet. Buyer is responsible to ensure that products and product dosages are appropriate for Buyer's particular application. Seller makes no other warranty or representation of any kind, express or implied, concerning the product, including NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS OF THE GOODS FOR ANY OTHER PARTICULAR PURPOSE. No such warranties shall be implied by law and no agent of seller is authorized to alter this warranty in any way except in writing with a specific reference to this warranty. The exclusive remedy against seller shall be a claim for damages not to exceed the purchase price of the product, without regard to whether such a claim is based upon breach of warranty or tort. Jurisdiction for any issues arising from or relating to this product shall be in the courts of the State of Washington and the venue shall be Thurston County. Any controversy or claim arising out of or relating to this contract, or breach thereof, shall be settled by arbitration in accordance with the rules and procedures as stated in RCW 7.06 and shall be binding upon both parties without right to appeal, and judgment upon the award rendered by the Arbitrator(s) may be entered in any court having jurisdiction thereof.

Applies to all products sold by CH₂O, Inc., and is hereby communicated to all of its customers as a condition of sale. Use of CH₂O products is subject to the Standard Terms and Conditions as listed on CH₂O, Inc.'s website at: www.ch2o.com.

SAFETY & HANDLING PROCEDURE

SULFURIC ACID, 50% FCC/NSF is an inorganic acid which will cause burns upon exposure. Wear full protective clothing including impervious apron, boots, goggles and face shield when handling. Flush exposed skin with cold water immediately. Do not give emetics if ingested. Give 5 or 6 ounces of milk or water and call a physician immediately.

Daily testing is recommended to maintain proper control. Failure to monitor and maintain treatment levels can cause damage. It is the customer's responsibility to monitor and maintain treatment levels.

DISPOSAL

Neutralize solution to pH of 6 to 8 before disposal. Waste generated from the use of this product is the responsibility of the customer. Dispose of spent solution in accordance with federal, state and local regulatory requirements.

PHYSICAL PROPERTIES

pH of Use Solution 1.0
Appearance..... Light Gray to Colorless Liquid
Odor Pungent
Pounds per Gallon 11.4-11.9



VERSION DATE: November 8, 2021 | REVISION DATE: NA

