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# NITRO-CIRC 963 HEAVY DUTY CONCENTRATED, INORGANIC ACID, AND WETTING AGENT BLEND FOR LOW-COST DESCALING OF ALKALINE SOILS

### TYPICAL APPLICATIONS

**NITRO-CIRC 963** is heavy-duty blended acid acceptable to the USDA for use as a cleaner in official meat, poultry, rabbit, and egg processing plants. It is specially formulated to brighten stainless steel. It will remove stubborn mineral and organic soils. It has a passivating effect on stainless steel. **NITRO-CIRC 963** is recommended for cleaning CIP lines, tanks, pasteurizers, kettles, vats, and other stainless steel equipment.

### **Concentrated**

**NITRO-CIRC 963** is a blend of inorganic acids and selected wetting agents. This combination gives maximum performance at the lowest-use cost

### **Detergent Additives**

Special wetting agents provide extra cleaning power with good soil penetration and excellent rinsing ability.

### **More Than a Mineral Remover**

**NITRO-CIRC 963** has the oxidizing power to remove stubborn food stains such as celery and starch deposits.

### **Safety**

**NITRO-CIRC 963** is a strong acid product. Wear goggles or face shield and rubber gloves when using this product. Do not mix with chlorinated compounds, sanitizers, or organic acids.

### PIPELINE CLEANING DIRECTIONS

For acid rinsing pipelines use 1 ounce **NITRO-CIRC 963** in 5 gallons of water to neutralize alkaline cleaning compound residue. For acid cleaning Use 1 ounce in 1 gallon of hot water (160°F) and circulate in the same manner as an alkaline cleaning cycle.

### DAIRY & FOOD PLANT USE DIRECTIONS

For HTST and heat exchange units circulate 1 quart **NITRO-CIRC 963** in 35 gallons of 140 - 160°F water for minimum of 30 minutes. Circulate longer if scale build-up or water conditions are excessive.

For blancher and sugar dip systems, circulate 2 quarts **NITRO-CIRC 963** per 100 gallons of 160 - 170°F water for a minimum of 1.5 hours after a standard alkaline "boilout."

### NON-WARRANTY

Use only on stainless steel surfaces. Manufacturer or seller makes no warranty, expressed or implied concerning the use of this product other than for the purposes indicated on the label.

### PHYSICAL PROPERTIES

Appearance .....	Blue liquid
Odor .....	Slight
Foam .....	Low
Rinsing Ability .....	Excellent
pH of Use Solution .....	1.8
Specific Gravity .....	1.24

**PRODUCT pH INDICATOR**

----- acid ---- neutral ---- alkaline -----

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14



### **Seller Warranty**

CH<sub>2</sub>O 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. CH<sub>2</sub>O 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 CH<sub>2</sub>O, Inc., and is hereby communicated to all of its customers as a condition of sale. Use of CH<sub>2</sub>O products is subject to the Standard Terms and Conditions as listed on CH<sub>2</sub>O, Inc.'s website at: [www.ch2o.com](http://www.ch2o.com).



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