

## ISO-CUT 220 METAL-WORKING: CUTTING & GRINDING FLUID FOR MOST METALS, CARBIDE AND STELITE

### APPLICATION

**ISO-CUT 220** is a heavy-duty cutting and grinding fluid formulated for wet grinding and cutting of both ferrous and nonferrous metals. **ISO-CUT 220** mixes with hard and soft raw water sources. **ISO-CUT 220** is a synthetic, water-soluble coolant, which is fluorescent in color for excellent visibility in grinding and cutting conditions. This product contains no nitrites, borates, heavy metals, or oils.

### SAFETY & HANDLING PROCEDURE

**ISO-CUT 220** will help clean the residual deposits from grinding wheels. **ISO-CUT 220** is a concentrated, water-soluble formulation for maintaining an "open" grinding wheel.

Clean sump and all circulation lines of old product and grinding deposits. Do not mix with old coolant.

### CAUTION

To prevent the development of rust with some metals, a maximum dilution of 40:1 should be implemented.

### INGREDIENTS

**ISO-CUT 220** is a blend of synthetic coolants and lubricants in addition to corrosion inhibitors in a pH buffered solution. If further information is required, please contact your CH<sub>2</sub>O Technical Representative.

### CONTROL

Daily testing is recommended to maintain proper control. Failure to monitor and maintain treatment levels can cause damage. In addition to monitoring and maintaining treatment levels, it is the customer's responsibility to ensure the product is fit for its intended application. Additional testing may be performed upon request.

### DOSAGE

Dilute **ISO-CUT 220** according to the following uses.

Light-duty grinding of steel or nonferrous metals, 1 part **ISO-CUT 220** to 30-80 parts water.

Grinding cast iron, 1 part **ISO-CUT 220** to 30-80 parts water.

Heavy-duty grinding, 1 part **ISO-CUT 220** to 10-50 parts water.

Rust prevention tip, 1 part **ISO-CUT 220** to 50 parts water for best results.

### PHYSICAL PROPERTIES

Type ..... Synthetic (Water-soluble)  
Use.....General & Heavy-cut  
Appearance..... Fluorescent Green (Diluted)  
Specific Gravity ..... 1.035-1.045  
PH ..... 8.5-9.5  
Odor .....Mild

### PRODUCT pH INDICATOR

---- acid ---- neutral ---- alkaline ----  
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14



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#### **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).