



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

**Product  
Bulletin**

# CHT METAL CLEANER NON-FOAMING ALKALINE CLEANER

### TYPICAL APPLICATION

During metal processing, cleanliness of parts is of paramount importance to the longevity and durability of the final product. Metal that is not clean prior to heat treating can be the culprit of non-uniform case, cause failure in post-heat-treat operations, higher cost of tooling post-quenching, or can even result in a fire in temper furnaces from burn-off of the remnant oils.

**CHT METAL CLEANER** is an all-organic formula; it does not contain inorganic materials that can build up in heat treat furnaces. All product components are volatile, degrading below a temperature of 400°F. **CHT METAL CLEANER** has been specifically formulated for use in the metal processing industry on ferrous metals. It can be used in soak tanks or spray systems for cleaning organic oils and debris from the metal surface. It is non-foaming at all use-dilutions and temperatures for ease of use.

### GENERAL USE DIRECTIONS

**CHT METAL CLEANER** is a concentrated product and should be diluted with water before use. Use-solution strength depends upon the type of oil/debris to be removed. For example, a 5% active solution is typically sufficient for light soils such as cutting oils and coolants, whereas heavier oils and greases or drawing compounds typically require up to a 10% strength to properly clean. Other factors impacting strength of use-solution required are surface porosity, time and temperature of exposure.

### SAFETY & HANDLING

**CHT METAL CLEANER** contains alkaline ingredients that can cause irritation or burns to skin and eyes upon prolonged or repeated contact. It is important to read and understand the SDS for this product before using it, and to employ all required personal protective equipment.

### CONTROL

Proper care of the cleaning solution (filtration, sludge removal, oil skimming) can extend its life. It is recommended to test the cleaning solution with a custom titration test kit and determine when product should be added and how much to add to maintain the proper strength.

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.

### PHYSICAL PROPERTIES

Appearance .....	Clear, colorless liquid
Odor.....	Faint Amine-like
Foam .....	None
Rinsing Ability.....	Excellent
pH of Use Solution .....	10.5-11.5
Pounds per Gallon.....	8.3-8.8

### 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).



VERSION DATE: April 14, 2025      REVISION DATE: May 22, 2026

