



# PRODUCT INFORMATION

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EMERGENCY - MARTRON 704-289-1934  
CHEMTREC 800-424-9300

MFC-000017

## MARTRON 2004X2N

### 1 PROPERTIES

- Removes lead from brass surfaces. Meets NSF60 & NSF61 Standards.
- Mild in nature, contains no Alkalis
- Safe for cleaning all common metals, such as aluminum, zinc, copper, brass, iron and magnesium.
- No heating facilities are required.

### 2 BENEFITS

- Improved working conditions
- Versatile, reduces the number of cleaners required; saves warehousing inventory costs.
- Reduces energy requirements.

**Martron 2004X2N** is safe for use on all metals and is ideal for a wide variety of jobs:

- Cleaning steel and other metals before plating.
- Basket or barrel cleaning of parts.

**Martron 2004X2N** is neutral in nature and will not etch such active metals as zinc, aluminum, copper or brass.

### 3 OPERATING CONDITIONS

Concentration:	1% to full strength	<b>OPTIMUM</b>
Temperature:	Room temperature to 150°F	5%
Time:	1 - 5 minutes	3 minutes

### 4 CONTROL PROCEDURES

1. Add 1ml sample of cleaner in a 250 Erlenmeyer flask.
2. Add 25 ml of DI water
3. Add 3-4 drops Phenolphthalein Ind. (sol should be pink)
4. Titrate with 0.1N Hydrochloric Acid until color disappears (end point).
5. Calculate ml. of 0.1N Hydrochloric Acid X factor (13.1) = % vol.

**5 OPERATION**

Cleaning is accomplished by simple immersion of the soiled parts in the **Martron 2004X2N** at room temperature. From 1 to 3 minutes soaking is required for the removal of light oils and from 3 to 5 minutes for heavy oils. Agitation of either the parts or the cleaner is helpful in speeding oil removal.

**6 EQUIPMENT**

A plain steel tank is all that is necessary to contain **Martron 2004X2N**. The cleaner can also be contained in stainless steel, ceramic ware or polypro tanks.

**7 DISCLAIMER**

The information contained within the bulletin is based upon extensive laboratory and production use and is believed to be correct. **Martron Inc.** makes no warranty, implied or expressed as to the accuracy of this data, all risks involved with the safe handling and the user assumes use of said product.

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