



# PRODUCT INFORMATION

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

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## MARTRON 52 OIL Water Soluble Rust Preventative Oil

### 1 DESCRIPTION

**Martron 52 Oil** was developed as the final "oiling" of phosphate parts in order that such might pass a 96-hour 5% salt spray test. This product has also found application as water-soluble rust preventive oil on machined parts, stampings and black oxide parts. It has also found application in the final stage of a spray washing machine as a rust inhibitor.

### 2 APPLICATION

**Martron 52 Oil** is designed for use at 12-15% by volume in water or 30% by volume in solvent. **Martron 52 Oil** can be used both ways that is not true of some competitive materials. When diluted with solvent, the protection after allowing for evaporation is over 500 hours. A 12% by volume mixture of **Martron 52 Oil** with water will pass over 200 hours in a 5% salt spray if the material is supplied over 1500 mg/ft<sup>2</sup> load of zinc phosphate and the panel is allowed to "dry to touch" before being placed in a salt spray cabinet.

#### Rust Protection After Phosphate:

Concentration	12-15%/volume with water
Temperature	160°F/180°F
30% by Volume/Solvent	
Temperature	Ambient
Spray Application	2-5% by volume with water
Temperature	140°F/180°F
Equipment	<b>Martron 52 Oil</b> may be used with carbon steel equipment.

### 3 OPERATING NOTES

When diluted with water, **Martron 52 Oil** dries to the touch in 30 minutes at room temperature. The presence of heat, (160° F-180°F), by heating the emulsion, will speed up drying considerably.

**Martron 52 Oil** does not foam excessively when applied in the final stage of a spray washing machine. This product will provide excellent short-term indoor corrosion and protection on parts shipped in closed containers so long as the surface is clean prior to the application of **Martron 52 Oil**.

**4 CHARACTERISTICS**

Physical form	Liquid
Odor	Oily
Foaming tendency	None
Maximum solubility	Complete
Maximum solubility with water	Complete
Normal working concentration	5%-30% by volume
Normal operating temperature	140°F-180°F
Specific gravity	0.94
Flashpoint	240°F (COC)
Weight per gallon	7.814 pounds per gallon
Appearance when mixed with water	Stable light cream

**5 TITRATION PROCEDURE**

1. Measure 50 mls. of **Martron 52 Oil** emulsion solution into a 100 ml graduate.
2. Add 40 mls. of 1:1 66 deg. Baume Sulfuric Acid in water.
3. Mix and allow to stand for one hour.
4. Note the mls. of oily layer.
5. Calculate mls. of oil x 2.0 = % Martron 52 concentrate.

**6 SAFETY NOTES**

**Martron 52 Oil** should not be used until a Safety Data Sheet (SDS) has been reviewed by supervisory as well as operating personnel. It is recommended that gloves, aprons and face protection be used while working with this product.

**7 DISPOSAL**

Generally, the emulsion must be broken before this product can be disposed of. Consult Federal, State and Local Authorities to be sure that your procedure is in compliance.

**8 STORAGE**

Store in clean, dry area. Store away from direct heat or open flames. Keep containers closed at all times and discard when empty.