

JMN SPECIALTIES, INC.

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PRODUCT BULLETIN

CITRA 50 CLEANER

Inhibited Citric Acid Solution

General Description

CITRA 50 CLEANER is a concentrated, inhibited aqueous citric acid solution (50% anhydrous basis), suitable for use in industrial cleaning applications. When diluted to the proper use concentrations **CITRA 50 CLEANER** solutions are very effective in the removal of metal oxide deposits in power plant boilers, dehydration units, heat exchangers and various types of heat transfer systems. **CITRA 50 CLEANER** will safely dissolve water scales without damage to piping systems.

CITRA 50 CLEANER solutions are very effective in de-rusting equipment, tanks and flow lines. **CITRA 50 CLEANER**, as provided, does not contain any aqua ammonia. **CITRA 50 CLEANER** is safe to use in cleaning multi-metal systems containing carbon steel, stainless steel, brass and aluminum.

Application

Starting point dilutions for **CITRA 50 CLEANER** should range from a low of 4% **by weight of acid** to as high as 10% **by weight of acid**. In most cases, best results are obtained when heat of 150^B - 180^B F is applied. If used at ambient temperature, simply increase circulation time and increase use dilution to 20 - 25% by volume (10 - 12% activity). For more information, please contact **JMN Specialties, Inc.** service personnel.

Physical Properties

Color	Light Amber
Appearance	Clear
Odor	None
Specific Gravity	1.23 - 1.26
pH, as is	0.5 - 1.5
Freeze Point	32 ^B F

Availability

CITRA 50 CLEANER is available in UN approved 5 gallon pails, 55 gallon drums and bulk quantities.

Handling

Observe warning label on containers. Normal precautions for industrial chemicals apply.