



## Metal Safe Ice Machine Cleaner / Scale Remover

Catalog No. H420 (475068) - 16 oz.  
Catalog No. H421 (475071) - 1 Gallon



Virginia Metal Safe Ice Machine Cleaner has been specifically formulated for use in ice machines with sensitive plated evaporators or surfaces. This product can be used to clean all types of ice machines; cube, tube or flake. During normal ice production, minerals in the water drop out of suspension and bond to the metal to form scale. This scale, if left unchecked, can encrust the internal surfaces and lead to a dramatic reduction in ice production as well as a degradation of taste. Pitting or the removal of plating from ice machine surfaces can result from the use of an improper cleaner. If this happens, then the machine may experience a longer harvest cycle and a reduction of cube size and system capacity. Periodic use of Virginia's Metal Safe Ice Machine Cleaner will keep ice makers in top condition and producing ice at maximum capacity. Virginia's Metal Safe Ice Machine Cleaner also works on commercial grade dishwashers and steam tables for removing scale build-up.

Produced and packaged in the USA in our ISO 9001 registered facility.

### Characteristics:

- Will not harm tin or nickel plated evaporators
- Versatile-works in all types of ice machines and commercial dishwashers
- Concentrated

- Leaves no after taste
- Leaves no odor
- Bright green liquid

### Uses:

Any standard ice machine, steam table or commercial dishwasher application which requires the removal of scale to help restore efficiency.

### Dilution Ratios:

- Up to 16 parts water to 1 part Metal Safe Ice Machine Cleaner when pouring cleaner into the

circulating sump on ice machines or commercial dishwashers.

- Up to 8 parts water to 1 part Metal Safe Ice Machine Cleaner when brushing parts with cleaner.

### Application Methods:

- Circulation pump
- Brush on hard to clean parts

*Note: Regardless of application method, avoid prolonged contact of liquid on skin.*

**Follow manufacturers instructions for cleaning equipment. If these**



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**instructions are not available then the following instructions are applicable for most equipment.**

## **Suggested Instructions For Use (Ice Machines):**

1. Turn off the refrigeration unit.
2. Drain and refill with fresh water.
3. With pump running, add 8 oz. of Metal Safe Ice Machine Cleaner to every 1-1/2 gallons of water in the sump.
4. Circulate the cleaning solution until scale is completely dissolved. This can take from 20 minutes to one hour. *Note: Some extreme cases may require a second application.*
5. After all scale has been removed, drain and flush the unit thoroughly with at least 2 complete changes of fresh water.

## **Suggested Instructions For Use (Commercial Dishwashers-Wash Side):**

1. Fill the compartment half full of water.

2. Add 4 oz. of Metal Safe Ice Machine Cleaner per gallon of water present and circulate approximately 45 minutes. Use a brush to apply the solution to surfaces not reached by the circulating pump.
3. After all scale has been removed, drain and flush the unit thoroughly with at least 2 complete changes of fresh water.

## **Suggested Instructions For Use (Commercial Dishwashers-Rinse Side):**

1. Fill the compartment half full of water.
2. Add 8 oz. of Metal Safe Ice Machine Cleaner per gallon of water present and circulate approximately 45 minutes. Use a brush to apply the solution to surfaces not reached by the circulating pump.
3. After all scale has been removed, drain and flush the unit thoroughly with at least 2 complete changes of fresh water.

## **Cautionary Notes:**

This product is for professional use only. At full strength:

- It will cause burns to the eyes and skin
- Ingestion will cause severe and potentially fatal gastric distress
- Vapors are harmful and may cause a respiratory tract infection

Refer to SDS sheet for further information. SDS sheets are available at your local wholesaler or at [www.parker.com/coolparts](http://www.parker.com/coolparts).

*Some dishwashers on the market now have transfer belts made of nylon. Nylon can be attacked by strong solutions of acid, and for this reason you should never use Virginia Metal Safe Ice Machine Cleaner in concentrations greater than 8 oz. per gallon of water.*

## **⚠ WARNING – USER RESPONSIBILITY**

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