

This product must be used in accordance to the following directions by HVACR professionals only.

**DIRECTIONS FOR USE IN ICE MACHINES & COFFEE BREWERS:**

1. Leave ice machine pump in operation but turn off refrigeration.
2. Drain unit and refill with fresh water.
3. Add Liquid Ice Machine Cleaner to water in unit. Use 8 fluid ounces for up to 3 gallons of water, or one fluid ounce of product for every 48 fl. oz. (3 pints) of water.
4. Allow cleaner to circulate for about 30 minutes. If solution does not contact all scaled surfaces use a brush to get cleaning solution to those parts. If scale is extra heavy, another dose of cleaner may be necessary. Ice machine drums may be cleaned by adding bottle of cleaner to a glass or plastic container holding two quarts of water and brushing the solution on the scaled surfaces.
5. After scale has been removed, drain out all the water and flush thoroughly with fresh water

NOTE: DO NOT use on nickel plated or galvanized surfaces. On these surfaces, you should use Nu-Calgon's Nickel-Safe Ice Machine Cleaner. Do not mix with chlorine bleach.

**DIRECTIONS FOR USE IN COOLING TOWERS:**

Ice Machine Cleaner also does an excellent job of removing lime scale from cooling towers and other cooling water systems. It does not attack copper, brass, or steel as rapidly as hydrochloric or muriatic acid based liquid scale remover.

1. Before cleaning, check spray nozzles and water distribution holes and clean them out.
  2. Drain and flush out the sump. Refill with fresh water and start pump again. Shut off bleed to conserve acid during cleaning.
  3. As a starting dosage use 1 gallon of Ice Machine Cleaner for each 30 gallons of water in the system.
  4. The acid solution should be circulated for several hours depending upon thickness and type of scale. Add additional acid as required to keep cleaning solution strongly acid as shown by pH test strips.
  5. One can usually tell when the equipment is clean by observing the cleaning solution returning from the condenser. When the returning solution has remained strongly acid for 30 minutes and does not contain any bubbles or foam, it is a sign that all of the lime scale has been removed.
  6. Drain and flush the system twice, then refill with fresh water and open the bleed-off line.
  7. See your wholesaler for products to further inhibit scale formation.
- MEETS FORMER USDA GUIDELINES.

4207-08



# Liquid Ice Machine Cleaner

**FOOD GRADE PHOSPHORIC ACID**

*A Safe and Effective Descaler  
for Ice Machines*



Highly Concentrated



Nonfood Compounds  
A3  
Registration # 145304

FOR PROFESSIONAL USE ONLY

1 U.S. Gallon (3.8 liters)



**DANGER**

Causes severe skin burns and eye damage.  
May be corrosive to metals.

**PREVENTION:** Do not breathe mist or vapour. Wash thoroughly after handling. Wear protective gloves, protective clothing, eye protection and face protection. Keep only in original packaging.

**RESPONSE:** Absorb spillage to prevent material-damage. **IF SWALLOWED:** Rinse mouth. Do NOT induce vomiting. **IF ON SKIN (OR HAIR):** Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse. **IF INHALED:** remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor. Specific treatment (see information on this label). **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**STORAGE:** Store locked up. Store in a corrosion resistant container with a resistant inner liner.

**DISPOSAL:** Dispose of container in accordance with local, regional, national and international regulations.

**KEEP OUT OF REACH OF CHILDREN.**



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