

Premium Solutions for a Cleaner and Healthier Environment

# ECOSPHERE



Certified Bathroom Cleaner  
CCD-146J

## Organic Acid Bowl Cleaner

### DESCRIPTION

This product is a ready to clean organic acid bowl cleaner that uses a patented organic acid that is more effective than phosphoric acid when removing limestone, hard water deposits, rust, soap scum and urinary salts from hard surfaces. Can be used to clean and deodorize washbasins, bathtubs, shower stalls, drinking fountains, toilet bowls, urinals, and sinks. Its clinging formula controls run-off for effective usage. Contains no phosphates, no VOC's and is non-fuming and non-corrosive to the skin and mild steel. Product is classified as a DOT non-regulated material for US ground shipments.

### DIRECTIONS

**TOILET BOWLS:** Remove water by forcing it over the trap with the swab mop. Saturate swab with the cleaner and wet all surfaces thoroughly. It is most important to swab under the rim of the bowl to clean water outlets. Allow cleaner to remain for at least 10 minutes until all rust, scale, and stains are loosened. Rinse by flushing.

**URINALS:** Place clean mop over trap in urinal and saturate with bowl cleaner. Swab urinal thoroughly. Remove screen at urinal trap and pour approximately 6 to 8 ounces of concentrate into and around drain opening. Allow to soak a few minutes. Replace screen and flush well.

**TILE, WASHSTANDS, SHOWERS, FIBERGLASS, STAINLESS STEEL:** Always dilute product by adding 1 quart of product per gallon of water. Using a swab mop, sponge, brush or cloth; Apply thoroughly, wetting all surfaces. Rinse thoroughly with clear water after several minutes. Do not use on any surface, such as marble, that can be damaged by acidic materials. Many surfaces are not resistant to acid.

### PRODUCT SPECIFICATIONS

Color:	Blue
Fragrance:	Fresh
pH:	1.0
Viscosity:	Slight viscous
Foam:	Moderate
Detergency:	Excellent
Biodegradability:	Complete
Phosphate:	None
Solubility:	Complete with water
Flash Point:	None
Storage/Stability:	1 year
Freeze/Thaw Stability:	Keep from freezing
Weight Per Gallon:	8.66 lbs. per gallon



## SECTION 1-PRODUCT IDENTIFICATION AND SUPPLIER INFORMATION

**Product Name:** Organic Acid Bowl Cleaner  
**Generic Name:** Low Acid Bowl Cleaner  
**Chemical Family:** Acid Detergent Blend  
**Formula:** Proprietary

**Supplier's Name:**  
**Supplier's Address:**  
**Supplier's Phone #:**

  
 211 Park Avenue, Hicksville, NY 11801  
 Telephone: 516-931-4455  
 Fax: 516-931-5500  
 www.kandelandson.com

## SECTION 2-INGREDIENT INFORMATION

CHEMICAL NAME	CAS NO.	WT. %	PEL	TWA-TLV	STEL-TLV
Water	7732-18-5	to 100			
Urea Monohydrochloride	506-89-8	5 to 10			
Ethoxylated Alcohol	68439-46-3	0 to 5			
Propylene Glycol	57-55-6	0 to 5			
Perfume Oils	N/A	0 to 5			
Dye	N/A	0 to 5			

## SECTION 3-PHYSICAL DATA

**Boiling Point (°F):** 212 F.  
**Vapor Pressure:** 25mm Hg @ 68 F.  
**% Volatile:** 90+  
**Solubility in Water:** Complete  
**Physical Description:** Blue liquid with pleasant fresh odor.

**Specific Gravity:** 1.038  
**Vapor Density (Air=1):** >1  
**pH:** 0.5-1.5  
**Evaporation Rate (Water=1):** <1

## SECTION 4-FIRE AND EXPLOSION HAZARD DATA

**Flash Point (Method Used):** N/A  
**Upper Explosion Limit:** N/A  
**Lower Explosion Limit:** N/A  
**Extinguishing Media:** N/A  
**Special Firefighting Procedures:** Non Flammable  
**Unusual Fire and Explosion Hazards:** N/A

## SECTION 5-REACTIVITY DATA

**Stability:** Stable  
**Hazards Decomposition Products:** Hydrogen or chlorine gas.

**Hazardous Polymerization:** None  
**Incompatibility (Materials to Avoid):** Strong alkalis or oxidizers. Contact with aluminum, soft metals and iron may generate hydrogen gas, which is flammable.

## SECTION 6-STORAGE AND HANDLING INFORMATION

WARNING: Corrosive to Eyes. May cause skin irritation with prolonged or repeated contact. Avoid contact with eyes, skin and clothing. Wear rubber gloves and protective eyewear when handling. Wash hands after each use. Avoid breathing of vapors. Keep out of reach of children. For use by trained personnel only. Do not mix with alkali cleaners, oxidizers or other cleaning products. Keep container closed during storage. For institutional and industrial use only. Use in well-ventilated area only. Avoid contact with aluminum, brass, iron.

## SECTION 7-HEALTH HAZARDS AND FIRST AID

**Effects of Overexposure:**  
**Skin:** Prolonged or repeated contact may cause slight irritation.  
**Eyes:** Corrosive. Liquid and mists may burn or injure eyes, causing permanent corneal damage.  
**Inhalation:** Irritating to mucous membranes of the nose, throat, and lungs. Vapors may cause choking, burning sensation of throat and lungs, leading to irreversible damage.  
**Ingestion:** Harmful if swallowed. Irritating and corrosive to the mouth and throat. May cause headache, nausea, abdominal pain, vomiting, and diarrhea. Excessive amounts may cause collapse.

**First Aid Procedures:**

**Skin:** Remove contaminated clothing. Flush exposed area with large quantities of water followed by washing with mild soap. Seek medical attention if irritation persists.  
**Eyes:** Immediately flush with large quantities of water, holding eyelids open. Seek medical attention immediately.  
**Inhalation:** Get to fresh air. Seek medical attention if irritation persists.  
**Ingestion:** Do not induce vomiting. Drink large quantities of water. Seek medical attention immediately.

## SECTION 8-SPECIAL PROTECTION INFORMATION

**Respiratory Protection:** Use in well-ventilated area.  
**Ventilation Requirements:** Provide mechanical exhaust to keep TLV of Section 2 ingredients below acceptable limit.  
**Protective Gloves:** Acid proof, rubber, or neoprene.  
**Eye Protection:** Safety glasses or chemical splash goggles.  
**Other Protective Equipment:** Eyewash, chemical resistant apron.

## SECTION 9-SPILL OR LEAK PROCEDURES

**Steps to be taken in Case Material is Released or Spilled:** Floors will become slippery. Avoid walking in product. Keep unessential personnel away. Mop up or otherwise absorb and hold disposal. Avoid discharge to sewer or open waterways.  
**Waste Disposal Method:** Any method in accordance with local, state and federal laws. Best method is to recycle or reuse for intended purpose. Consult local authorities for disposal in public sewer. Do not dispose of into storm drain, stream, river or to ground. Rinse container thoroughly before discarding in trash.

## SECTION 10-REGULATORY INFORMATION

**SARA Title III - Section 311/312 -Hazard Categories:**

No - Fire Hazard  
 No - Sudden Release of Pressure Hazard  
 No - Reactivity Hazard  
 Yes - Immediate (acute) Health Hazard  
 No - Delayed (chronic) Health Hazard

**Domestic Shipping Information ONLY:**

FOR CONTAINERS > 1 Gallon: Not regulated  
 FOR 1 GALLON CONTAINERS: Not Regulated  
 FOR CONTAINERS < 1 GALLON: Not Regulated  
**FOR AIR SHIPMENTS:** Corrosive Liquid n.o.s. (Contains urea Monohydrochloride), 8, UN1760, PGIII (Corrosive to Aluminum only)

**HMIS Hazardous Materials Identification System**

<b>Health</b>	<b>2</b>
<b>Flammability</b>	<b>0</b>
<b>Reactivity</b>	<b>0</b>
<b>Personal Protection</b>	<b>B</b>

**FOR EMERGENCY MEDICAL OR TRANSPORT INFORMATION:** CHEM-TEL, Inc. @ 800-255-3924 (24 hours, 7 days per week)

This product contains the following toxic chemical(s) subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

CAS#	Chemical Name	Percent by Weight
Exempt	None	

This product contains the following chemical(s) which have been established to be either a carcinogen or suspected carcinogen.

CAS#	Chemical Name	Percent by Weight
	None	

## SECTION 11-OTHER INFORMATION

This company cannot anticipate all conditions of handling and use of this product. Therefore, this company accepts no responsibility for results obtained by the application of this information, or the safety and suitability of our products either alone or in combination with other products. It is the responsibility of the user to provide a safe workplace, using the health and safety information contained herein as a guide. This company will accept no liability for damages or loss incurred from the improper handling and use of this product