# MATERIAL SAFETY DATA SHEET

Share Corporation
P.O. Box 245013
Milwaukee, WI 53224

GENERAL INFORMATION NUMBER: 414-355-4000
EMERGENCY TELEPHONE NUMBER: (800) 776-7192
CHEMTREC: (800) 424-9300

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## I - Product Identification

# T-Bowl 23% Bowl Cleaner

**PRODUCT CODE:** 1147
**CHEMICAL FORMULATION:** Acid based disinfectant cleaner.
**NFPA HAZARD IDENTIFICATION SYSTEM:** **HEALTH:** 3 **FLAMMABILITY:** 0 **REACTIVITY**: 1
**HAZARD RATING:** 4 - Extreme; 3 - High; 2 - Moderate; 1 - Slight; 0 - Insignificant

## II - Hazardous Ingredients

Values reported as TWA unless noted.

| SUBSTANCE | APPROX % | OSHA PEL | ACGIH TLV | EPA 40 CFR: 302 | 355 | 372 | CAS # |
|---|---|---|---|---|---|---|---|
| Hydrochloric Acid | 23.0-24.0 | 5 ppm | 5 ppm | Y | N | Y | 7647-01-0 |
| Alcohol Ethoxylate | 1.0-5.0 | N/E | N/E | N | N | N | 68131-39-5 |

Key: **PEL**: Permissible Exposure Limit **TLV:** Threshold Limit Value **C**: Ceiling level **STEL**: Short Term Exposure Limit
**N/A**: Not Applicable **N/D**: Not Determined **N/E**: Not Established **Y**: Yes **N**: No
**302**: CERCLA List of Hazardous Substances and Reportable Quantities (40 CFR 302.4).
**355**: SARA TITLE III / List of Extremely Hazardous Substances for Emergency Planning and Notification (40 CFR 355).
**372**: SARA TITLE III / List of Toxic Chemicals subject to Release Reporting (Community Right to Know) (40 CFR 372).

## III - Physical Data

**BOILING POINT (°F):** 212
**VAPOR PRESSURE (mm Hg):** N/D
**VAPOR DENSITY (AIR = 1):** N/D
**SOLUBILITY IN WATER:** Soluble
**SPECIFIC GRAVITY (WATER = 1):** 1.120
**VOC CONTENT (% by weight):** <1.0
**EVAPORATION RATE (WATER = 1):** > 1.0
**pH:** < 1.0
**APPEARANCE AND ODOR:** Green liquid, characteristic acidic odor.

## IV - Fire and Explosion Hazard Data

**FLASH POINT (°F):** None **(TEST METHOD):** Closed cup
**FLAMMABLE LIMITS IN AIR (VOLUME %)** **UPPER:** N/A **LOWER:** N/A
**EXTINGUISHING MEDIA:** Water, foam, carbon dioxide, dry chemical.
**SPECIAL FIRE FIGHTING PROCEDURES:** Firefighters must be equipped with full protective gear including self-contained breathing apparatus. Fire will produce toxic fumes. Cool fire-exposed containers with water fog.
**UNUSUAL FIRE AND EXPLOSION HAZARD:** None

## V - Reactivity Data

**STABILITY:** Stable.
**INCOMPATIBILITY:** Do not mix with chlorine bleach or other chemicals.
**CONDITIONS TO AVOID:** None.
**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition on burning may produce toxic vapors or gases, Chlorine gas, Hydrogen Gas.
**HAZARDOUS POLYMERIZATION:** Will not occur.

## VI - Health Hazard Data

**ROUTES OF ENTRY INHALATION:** X **EYE CONTACT:** X **SKIN CONTACT:** X **INGESTION:** X
**INGREDIENTS THAT ARE CONSIDERED BY OSHA, NTP, IARC TO BE SUSPECTED HUMAN CARCINOGENS:** None
**EFFECTS OF OVEREXPOSURE**
**IF IN EYES:** Irritant. Causes permanent damage if not treated promptly.
**IF ON SKIN:** Irritant. Causes permanent damage if not treated promptly.
**IF SWALLOWED:** Harmful or fatal if swallowed
**IF INHALED:** Irritant. Causes permanent damage if not treated promptly.
**EMERGENCY AND FIRST AID PROCEDURES**
**IF IN EYES:** Flush eyes and under eyelids with plenty of cool water for at least 15 minutes. Obtain immediate medical attention.
**IF ON SKIN:** Flush area with water while removing contaminated clothing. Obtain medical attention if irritation persists. Launder contaminated clothing separately before reuse.
**IF SWALLOWED:** Contact physician or poison control center immediately. Rinse mouth with water. Do not induce vomiting unless told to do so by a poison control center or physician. Give 1 to 2 glasses of water. Never give anything by mouth to an unconscious person.
**IF INHALED:** Remove person to fresh air. Call physician immediately.

## VII - Spill or Leak Protection

**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** Ventilate area and control spill. Contain spill and soak up with inert absorbent material and place in a properly labeled closed container for disposal. Flush area with water.
**WASTE DISPOSAL METHOD:** Consult local environmental authorities.

## VIII - Special Protection Information

**RESPIRATORY PROTECTION:** Use with adequate ventilation. Do not breathe vapors or mists. If recommended Exposure Limits are exceeded, wear a NIOSH approved respirator, following manufacturer's recommendations.
**VENTILATION** **LOCAL:** Recommended **MECHANICAL:** Not required
**PROTECTIVE GLOVES:** Chemical resistant.
**EYE PROTECTION:** Goggles or face shield.
**OTHER PROTECTIVE EQUIPMENT:** Protective clothing and eye wash station.
**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** Corrosive material. Store away from alkaline materials and reactive chemicals. Do not mix with any other cleaning chemicals. Keep container tightly closed when not in use.
**OTHER PRECAUTIONS:** Keep out of reach of children.

## IX - Transportation Information (ground transportation only)

**DOT ID NUMBER:** None **DOT PROPER SHIPPING NAME:** Consumer Commodity
**DOT CLASS:** ORM-D **DOT PACKING GROUP**: None.

The shipping information listed above applies only to non-bulk (< 119 gallons) containers of this product. This product may have more than one proper shipping name depending on packaging, product properties, & mode of shipment. If any alteration of packaging, product, or mode of transportation is further intended, different shipping names and labeling may apply.



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