

HILLYARD INDUSTRIES

MATERIAL SAFETY DATA SHEET

Section One Product and Company Information

Product Name: 102 Germicidal Bowl Cleaner **Date:** Oct. 13, 2014
Chemical Family: Acid **Application:** Acid toilet bowl cleaner **CAS#:** Mixture
Distributor: Hillyard Industries **Product Technical Information:** 1-816-233-1321
302 North Fourth St. **Medical/Handling Emergency:** 1-816-233-1321
St. Joseph, MO 64501 **Transportation Emergency:** Chemtrec 1-800-424-9300

Section Two Hazards Identification

Statement of Hazards: Danger: Causes eye and skin damage. Corrosive Liquid.
Primary Route of Exposure: Skin and eye contact are the principal routes of exposure to this product.
Skin Contact: Skin contact can cause severe irritation or burns. Severity of action is highly dependent on contact time.
Eye Contact: Eye contact may cause severe irritation or burns. May cause permanent eye damage.
Ingestion: If swallowed, this product may cause severe irritation or damage of the mouth, throat, esophagus or stomach.
Inhalation: Inhalation can cause irritation and burning of respiratory passages.
Carcinogenicity: IARC - No NTP - No OSHA - No ACGIH - No

Section Three Composition/Information on Ingredients

Component	Hazard	CAS#	OSHA PEL	ACGIH TLV	%
Hydrochloric Acid	Corrosive	7647-01-0	5 ppm(C)	5 ppm(C)	23 - 23.5
Water	N/A	7732-18-5	N/A	N/A	74 - 76
Alcohol Ethoxylate	Irritant	68131-39-5	N/A	N/A	0 - 1

Section Four First Aid Measures

Skin Contact: Remove contaminated shoes and clothing. Wash with soap and water for 15 minutes. Get medical attention. Wash contaminated clothing before reuse.
Eye Contact: Flush immediately with water for five minutes and remove contact lenses, if applicable. Continue flushing with water for 15 minutes. Get medical attention immediately.
Ingestion: Do NOT induce vomiting. Rinse mouth with water. Then give a glass of water and call a physician or poison control center immediately. If vomiting occurs, keep head below hips to reduce risk of aspiration. Give water again. **NEVER** give anything by mouth to a person who is unconscious or convulsing. Get medical attention immediately.
Inhalation: Remove victim to fresh air. If not breathing, give artificial respiration. Get medical attention.
Medical Conditions Aggravated: No data is available. **Note to Physician:** Treat exposed patients symptomatically.

Section Five Fire Fighting Measures

Flash Point (Method): None **Flammable Limits:** Not applicable. **Extinguishing Media:** Not applicable.
Special Fire Fighting Procedures: Fire fighters should wear appropriate protective equipment, including self-contained breathing apparatus and impervious clothing. Keep containers cooled with water spray to prevent rupture from excess heat.
Fire and Explosion Hazards: None known.
Hazardous Products: Thermal decomposition of this product may generate hydrogen chloride.

Section Six Accidental Release Measures

Ventilate area immediately. If spilled, floors may be slippery. Wear appropriate protective gear to avoid skin or eye contact. Contain spill with inert material (sand, clay). Transfer material to containers for recovery or proper disposal. Keep spill out of storm sewers and open bodies of water. After removal, flush area with water. Follow good industrial hygiene practices.

Section Seven Handling and Storage

Handling: Avoid contact with skin or eyes. Avoid breathing vapor, spray or mist. Use product only according to label directions. If unsure about safe use, contact your supervisor. Wash with soap and water after handling.
Storage: Store in tightly closed, original container in a cool, dry, well-ventilated area. Store away from food or feed. Keep in an area inaccessible to children.

Section Eight Exposure Controls/Personal Protection

Personal Protective Equipment:

Respiratory: Respiratory protection is not expected to be necessary under normal conditions of use.
Gloves: Use water impervious gloves, such as latex or neoprene rubber.
Eye Protection: Chemical resistant goggles or face shield are recommended.
Other: Protective clothing (long sleeves, pants), eyewash, safety shower are always advisable when working with chemicals.

Engineering Controls

Ventilation: Proper ventilation in accordance with good industrial hygiene should be provided.

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Section Nine **Physical/Chemical Properties**

Form	Liquid	pH	< 1	Color	White
Specific Gravity	1.112	Odor	Pungent acid	Solubility	Soluble
Boiling Point	190 - 212° F	Freezing Point	< 0° F	Evaporation Rate	> Water
% VOC	< 1				

Section Ten **Stability and Reactivity**

Stability: This product is stable at ambient temperatures and pressures. It is not self-reactive and has a shelf life of at least one year in sealed containers. Conditions to avoid are temperatures above 130° F or below 32° F.

Hazardous Decomposition Products: Thermal decomposition may generate toxic materials.

Dangerous Polymerization: Will not occur. Conditions to avoid: None

Dangerous Reactions: May react with strong bases to give exothermic conditions. Mixing with bleach or chlorine sources may generate potentially toxic gases.

Section Eleven **Toxicology Information**

Acute Toxicity: This product has not been evaluated for its acute toxicology profile.

Chronic Toxicity: This product has not been evaluated for its chronic toxicology profile.

Carcinogenicity: This product does not contain a listed carcinogen from NTP, ACGIH or IARC.

Irritation: This product can be expected to be a skin and eye corrosive. No skin sensitization data is currently available.

Section Twelve **Ecology Information**

Ecotoxicity: The ecological toxicity of this product is not known.

Section Thirteen **Disposal Considerations**

Material that cannot be used according to label direction and is destined for disposal should be disposed of in accordance with all applicable regulations. Empty containers should be triple rinsed and offered for recycling or reconditioning, or disposed of in a sanitary landfill or for small containers (1 gallon or less), may be wrapped and discarded in trash.

Section Fourteen **Transport Information**

DOT

Proper Shipping Name: Hydrochloric Acid, solution	Hazard Class: 8	Packing Group: II
ID Number: UN1789	DOT Label: Ltd. Qty.	Emergency Guide No.: 154
Shipping Emergency Phone No.: CHEMTREC 1-800-424-9300		

Section Fifteen **Regulatory Information**

FIFRA: This is a registered product, EPA Reg. No. 8155-3-1658

Toxic Substances Control Act (TSCA): All components added to this product are listed on the on the U.S. EPA TSCA inventory.

SARA Title III

Section 302: This product contains the following chemicals subject to SARA 302 reporting: None.

Section 311/312: This product is classified as an "immediate (acute) health hazard".

Section 313: *Chemicals marked with an asterisk in **Section Three** are subject to reporting requirements for Section 313 of Title III of the Superfund Amendments and Reauthorization Act(SARA) of 1986 and 40CFR Part 372.

OSHA Hazard Communication Standard (29 CFR 1910.1200): This product is hazardous by definition of the Hazard Communication Standard.

NPCA Hazardous Material Identification System (HMIS Rating)

Health **3** Flammability **0** Reactivity **1** Personal Protective Eqpt. **B**

State Regulations

Pennsylvania/New Jersey/Massachusetts Right to Know

See "**Section Three Composition**" for listing of hazardous and top five ingredients present in concentration greater than 1%.

California Proposition 65: Components present at a concentration that could require reporting under this statute are: None.

Section Sixteen **Other Information**

Disclaimer: No representation or warranty, either expressed or implied, of merchantability, fitness for a particular purpose, or of any other nature, is made with respect to information concerning the product referred to in this document. The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, it is impossible to foresee every health effect or exposure risk incurred by the use of this product. All chemicals present unknown health hazards and should be used with caution. The information and recommendations contained herein are presented in good faith and are supplied pursuant to 29 CFR 1910.1200. The user should review this information in conjunction with their knowledge of the application intended to determine the suitability of this product for such purpose. In no event will the supplier be responsible for any damages of any nature whatsoever, resulting from the use, reliance upon, or the misuse of this information. Furthermore, it is the direct responsibility of the user to comply with all applicable Federal, State and local regulations governing the use and disposal of this material. **Prepared by:** Regulatory Affairs Dept./F303-002