



Date Created: 08/10/2016

Date Revised: 07/05/2017

Revision #: 2

SAFETY DATA SHEET

4.5% Acid Toilet Bowl Cleaner

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: 4.5% Acid Toilet Bowl Cleaner

Formula Number: 14001008

Product Code(s): 15002, 15004, 88160, 99160

Product Description: Water-thin liquid with a blue color and wintergreen odor

Recommended Use: Toilet and urinal cleaner

Manufactured For: Ameriplus, Inc

Address: 535 S Hercules Avenue, Suite 201
Clearwater, FL 33764

Phone: (813)-855-6688

National Poison Control Center: (800)-222-1222

SECTION 2 – HAZARDS IDENTIFICATION

HAZARD CLASSIFICATION IN ACCORDANCE WITH 29 CFR 1910.1200(d)

Acute Toxicity (oral): Category 4

Eye Effects: Category 1

Skin Corrosion/Irritation: Category 1

Corrosive to Metals: Category 1

LABEL CONTENT IN ACCORDANCE WITH 29 CFR 1910.1200(f)

Hazard Pictogram(s):



Signal Word(s): Danger

Hazard Statement(s): Harmful if swallowed
Causes serious eye damage
Causes severe skin burns and eye damage
May be corrosive to metals

Precautionary Statement(s): General: Read label before use. Keep out of reach of children and pets. If medical advice is needed, have product container or label available.

Prevention: Avoid squeezing bottle when opening. Wear protective gloves and eye or face protection. Avoid contact with eyes and skin. Wash hands and any exposed skin thoroughly after handling. Do not take internally. Do not mix with other household chemicals.

Response: IF SWALLOWED: Drink a glassful of water, do not induce vomiting. Never give an unconscious person anything to ingest. Call a doctor or poison control center and seek immediate medical attention. IF IN EYE(S): Hold eyes open, remove any contact lenses and immediately flush eyes with plenty of cool water for 15 minutes. Seek immediate medical attention. IF ON SKIN: Completely remove contaminated clothing, wash skin with cool water and mild soap. Seek medical attention. IF INHALED: Remove to fresh air. Seek immediate medical attention.

Storage: Transport and store in an upright position and in the original container.

Disposal: Dispose of in accordance with all applicable federal, state and local regulations. Do not reuse empty containers – flush with water and place in appropriate trash or recycling receptacle.



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Supplemental Label Element(s): None known

Hazard(s) Not Otherwise Classified: None known

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

<u>Hazardous Ingredient</u>	<u>Common Name(s) / Synonyms</u>	<u>CAS #</u>	<u>Weight %</u>
Hydrogen Chloride	Hydrochloric Acid, Muriatic Acid, Spirit of Salts	7647-01-0	<5.0%

This product contains no known carcinogens present at or above de minimus level

SECTION 4 – FIRST AID MEASURES

Eye Contact: Hold eyes open, remove any contact lenses and immediately flush eyes with plenty of cool water for 15 minutes. Seek immediate medical attention

Skin Contact: Completely remove contaminated clothing, wash skin with cool water and mild soap. Seek medical attention

Ingestion: Drink a glassful of water, do not induce vomiting. Never give an unconscious person anything to ingest. Call a doctor or poison control center and seek immediate medical attention

Inhalation: Remove to fresh air. Seek immediate medical attention

Signs and symptoms of exposure: Ingestion: causes severe burns of mouth, throat, esophagus and stomach – symptoms include nausea, vomiting, and diarrhea

Eye Contact: causes severe burns to eye tissues that may result in eye damage or blindness

Skin Contact: depending on exposure, varies from irritation to severe skin damage including dermatitis, redness, swelling, pain, blistering, or scarring

Inhalation: depending on exposure, varies from irritation of the nose and throat to difficulty breathing, shortness of breath, pulmonary edema, or dental erosion

Notes to physician: Contains hydrochloric acid, a strong mineral acid solution that is highly corrosive to tissues, including mucous membranes

SECTION 5 – FIRE FIGHTING MEASURES

Extinguishing media: Foam, carbon dioxide, dry chemical – direct water spray may spread fire

Specific hazards during fire-fighting: This product is not combustible, but containers may rupture in a fire situation. Violent steam generation may occur upon application of direct water stream to hot liquids. Thermal decomposition or burning may produce noxious and/or toxic fumes including oxides of carbon and nitrogen. Incomplete combustion may form carbon monoxide. Evacuate downwind personnel

Special protective equipment for firefighters: Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire-fighting clothing. If protective equipment is not available or not used, fight fire from a protected location or safe distance

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Spill response: Do not touch or walk through spilled material. Stop leak(s) only if you can do so without risk. Prevent release into waterways, sewers, basements or confined areas. Dilute the spilled material with water. Flush spill area with water and cover with sodium bicarbonate and transfer waste to labeled containers

Other precautions: Evacuate personnel and ventilate area around spill. Keep personnel upwind of spill. Only trained and properly protected personnel must be involved in clean-up operations. Use appropriate safety equipment

**SAFETY DATA SHEET****4.5% Acid Toilet Bowl Cleaner****SECTION 7 – HANDLING AND STORAGE**

Keep out of reach of children and pets. Avoid contact with eyes, skin and clothing. Avoid breathing vapors. Do not ingest. Do not mix with other household chemicals, as hazardous gases could be released. Keep container closed when not in use and store in a cool, dry place. Do not reuse empty container. Do not expose product to extreme hot or cold temperatures

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION***Exposure Limits***

<u>Component</u>	<u>List</u>	<u>Type</u>	<u>Value</u>
Hydrogen Chloride	OSHA	PEL	7 mg/m ³
	OSHA	PEL	5 ppm
	ACGIH	TLV	2 ppm
	NIOSH	REL	7 mg/m ³
	NIOSH	REL	5 ppm

Engineering Controls

Use in area with adequate ventilation to minimize exposure to product mist

Personal Protective Equipment (PPE)

Safety glasses, splash goggles and/or face shields are required when handling large quantities of product. Wear chemical-resistant gloves if there is a potential for skin contact. In situations where exposure limits may be exceeded, a NIOSH-approved respirator is recommended

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

<i>Appearance:</i> Blue, water-thin liquid	<i>Upper flammability limit:</i> Not available
<i>Odor:</i> Wintergreen	<i>Lower flammability limit:</i> Not available
<i>Odor Threshold:</i> Not available	<i>Flammability:</i> Not available
<i>pH:</i> < 1.0	<i>Auto-ignition temperature:</i> Not available
<i>Melting/freezing point:</i> Not available	<i>Decomposition temperature:</i> Not available
<i>Boiling point/boiling range:</i> Not available	<i>Specific gravity:</i> 1.011 – 1.031
<i>Flash point:</i> > 212 °F	<i>Solubility in water:</i> Complete
<i>Evaporation rate:</i> Not available	<i>Partition coefficient:</i> Not available
<i>Vapor pressure:</i> Not available	<i>Vapor Density:</i> Not available
<i>Viscosity:</i> n/a (water-thin)	

SECTION 10 – STABILITY AND REACTIVITY

Chemical reactivity: Stable at normal use/storage conditions, will not hazardously polymerize

Chemical stability: Stable at normal use/storage conditions, will not hazardously polymerize

Conditions to avoid: Avoid contact with aluminum, tin and zinc

Incompatible materials: Do not mix with other chemicals, including strong alkaline substances

Hazardous decomposition products: In a fire situation, will produce hydrogen chloride, chlorine and normal products of combustion

Hazardous reaction possibility: None known

**SAFETY DATA SHEET****4.5% Acid Toilet Bowl Cleaner****SECTION 11 – TOXICOLOGICAL INFORMATION**

This product contains no known carcinogens. Likely routes of entry include inhalation, ingestion, skin contact, and eye contact.

Signs and symptoms of exposure: Ingestion: causes severe burns of mouth, throat, esophagus and stomach – symptoms include nausea, vomiting, or diarrhea
 Eye Contact: causes severe burns to eye tissues that may result in eye damage or blindness
 Skin Contact: depending on exposure, varies from irritation to severe skin damage including dermatitis, redness, swelling, pain, blistering, or scarring
 Inhalation: depending on exposure, varies from irritation of the nose and throat to difficulty breathing, shortness of breath, pulmonary edema, or dental erosion

<u>Component</u>	<u>Acute toxicity, ingestion</u>	<u>Acute toxicity, absorption</u>	<u>Repeated dose toxicity</u>	<u>Developmental toxicity</u>	<u>Reproductive toxicity</u>	<u>Genetic toxicity</u>
Hydrogen Chloride	900 mg/kg, LD50, rabbit	1,449 mg/kg, LD50, mouse	chronic effects generally result of long-term irritation	not available	not available	not available

SECTION 12 – ECOLOGICAL INFORMATION

<u>Component</u>	<u>Aquatic Ecotoxicity</u>	<u>Terrestrial Ecotoxicity</u>	<u>Persistence & Degradability</u>	<u>Bioaccumulative Potential</u>	<u>Soil Mobility</u>	<u>Other Adverse Effects</u>
Hydrogen Chloride	not toxic to aquatic life, however decreasing the pH in waterways can lead to adverse effects	not expected to be harmful to terrestrial species	not available	low bioaccumulative potential	not available	known

SECTION 13 – DISPOSAL CONSIDERATIONS

Dispose of in accordance with all applicable federal, state and local regulations. Do not reuse empty containers – flush with water and place in appropriate trash or recycling receptacle

SECTION 14 – TRANSPORTATION INFORMATION

UN Number: UN1789
UN Proper Shipping Name: Hydrochloric acid solution
Transportation Hazard Class(es): 8
Packing Group: III
Environmental Hazards: n/a
Transport in bulk: n/a (not shipped in bulk containers)
Limited Quantity Exception possible: Yes, provided that inner packaging is 5.0 liters (169.1 fluid ounces) or less – see 49 CFR 173.154 for more details

SECTION 15 – REGULATORY INFORMATION

TSCA: All ingredients in this product are on the TSCA inventory or are exempt from TSCA inventory requirements under 40 CFR 720.30

FIFRA: This product is not a registered pesticide

CERCLA reportable quantity: 5,000 lbs Hydrogen Chloride (approximately 111,111 lbs or approximately 13,040 gallons Toilet Bowl Cleaner finished product)



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California Proposition 65: This product contains no listed substances known to the state of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute

SARA Title III 302 extremely hazardous substance: No

SARA Title III 313 reportable ingredients: No

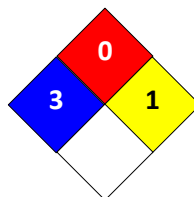
<i>SARA Title III 311/312 hazard categories:</i>	<u>Yes</u>	<u>No</u>
Immediate Hazard	X	
Delayed Hazard	X	
Fire Hazard		X
Pressure Hazard		X
Reactivity Hazard		X

SECTION 16 – OTHER INFORMATION

This product should only be used as directed on the label and for its intended purpose. This document has been prepared using data from sources considered to be technically reliable. It does not constitute a warranty, expressed or implied, as to the accuracy of the information contained herein. Actual conditions of use are beyond the manufacturer's control and all chemicals may present unknown hazards and should be used with caution. User is responsible for evaluating all available information when using this product for a particular use and to comply with all applicable federal, state and local laws and regulations.

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HEALTH	3
FLAMMABILITY	0
PHYSICAL HAZARD	1
PERSONAL PROTECTION	D