



## SAFETY DATA SHEET



### 1. IDENTIFICATION

#### Product identifier

**Product name:** PURSUE™ Toilet Bowl Cleaner

#### Other means of identification

**Product code:** EE0222

**Synonyms:** None

#### Recommended use of the chemical and restrictions on use

**Recommended use:** Toilet Bowl Cleaner

**Uses advised against:** Do not mix with chlorine bleach.

#### Details of the supplier of the safety data sheet

**Product information**  
Amway Corp. (58C-2A)  
7575 Fulton Street East  
Ada, MI 49355  
USA  
Tel: 1-800-253-6500

**Manufacturer**  
Canberra Corporation  
3610 N. Holland-Sylvania Rd.  
Toledo, Ohio 43615 USA  
Tel: 419-841-6616

**E-mail address:** sds@amway.com

#### Emergency telephone number

**For Transportation Emergencies:** ChemTrec @ 1-800-424-9300

**Emergency Telephone Number:** For Poisoning Emergencies call Amway's poison control service in the United States at 1-616-787-6307. This is a 24-hour number.

### 2. HAZARDS IDENTIFICATION

#### Classification

#### **OSHA Regulatory Status**

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin corrosion/irritation	Category 1 Sub-category B
Serious eye damage/eye irritation	Category 1
Corrosive to metals	Category 1

#### Label elements

#### **Emergency Overview**

**DANGER**

**Hazard statements:**

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



**Appearance:** Liquid

**Physical state:** Liquid

**Odor:** Mint-like; Acidic

**Precautionary Statements - Prevention**

Do not breathe mist/vapors/spray  
Wash face, hands and any exposed skin thoroughly after handling  
Wear protective gloves/protective clothing/eye protection/face protection  
Keep only in original container

**Precautionary Statements - Response**

**Eyes**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing Immediately call a POISON CENTER or doctor/physician

**Skin**

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
Wash contaminated clothing before reuse

**Inhalation:**

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

**Ingestion**

IF SWALLOWED: Rinse mouth. DO NOT induce vomiting

**Spill**

Absorb spillage to prevent material damage

**Precautionary Statements - Storage**

Store locked up  
Store in a corrosive resistant container

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

Not applicable

**Other Information**

• Not applicable

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	Common Name	CAS #	Weight %	Trade secret
Hydrogen Chloride (Hydrochloric acid)	Hydrochloric Acid	7647-01-0	5-10	*
Ethanol, 2,2'-iminobis-,n-soya alkyl derivs.,	-	73246-96-5	1-5	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret

## 4. FIRST AID MEASURES

### First aid measures

- Eye contact:** Remove contact lenses. Rinse with gentle stream of water for 15 minutes, holding eyelids open. Get IMMEDIATE medical advice by calling a poison control center, doctor or hospital emergency room.
- Skin contact:** Remove contaminated clothing. Rinse skin thoroughly with water. Get medical advice by calling a poison control center, doctor or hospital emergency room. Launder contaminated clothing before reuse.
- Inhalation:** Move to fresh air. If irritation or breathing difficulty develops, GET MEDICAL ADVICE by calling a poison control center, doctor or hospital emergency room.
- Ingestion:** If victim is a child, give 4-8 ounces of water. For adults, give 8-12 ounces of water. Do not induce vomiting when this product is swallowed. If vomiting occurs spontaneously, keep victim in an upright position. GET MEDICAL ADVICE by calling a poison control center, doctor or hospital emergency room.
- Protection of first-aiders:** Use personal protective equipment as required.

### Most important symptoms and effects, both acute and delayed

- Symptoms:** Causes severe skin burns and eye damage. Call a poison control center or doctor for treatment advice. Have the product containers or label with you when calling a poison control center or doctor, or going for treatment.

### Indication of any immediate medical attention and special treatment needed

- Notes to physician:** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

### Suitable extinguishing media

- Suitable extinguishing media:**  
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

- Unsuitable extinguishing media:**  
No information available.

### Specific hazards arising from the chemical

Hydrogen chloride gas may be generated at high temperatures.

### Special protective equipment for fire-fighters

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

- Personal precautions:**  
Wear appropriate personal protection equipment (respirator, gloves, goggles, and/or faceshield, boots, protective clothing).
- For emergency responders:**  
Use personal protective equipment as required.

### Environmental precautions

See Section 12 for additional Ecological Information. Prevent further leakage or spillage if safe to do so.

### Methods and material for containment and cleaning up

#### **Methods for containment:**

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

#### **Methods for cleaning up:**

Small spills may be wiped up and rinsed with water. For larger spills, neutralize with sodium carbonate or absorb on inert absorbing material (e.g. sand). Pick up absorbent and dispose of at an appropriate waste disposal facility.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

#### **Advice on safe handling:**

Do not mix with chlorine bleach. Can react to give chlorine gas. If this occurs, flush toilet to remove chemicals and leave area. Do not return for half hour. Ventilate if possible. Never use or mix with other cleaners or chemicals. Do not use on any surface that can be damaged by acid materials. Do not breathe vapor or mist. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves and eye/face protection. Follow label directions. Use only in area provided with adequate ventilation.

#### **General hygiene considerations:**

Handle in accordance with good industrial hygiene and safety practice.

### Conditions for safe storage, including any incompatibilities

#### **Storage conditions:**

Keep out of the reach of children. Store locked up. Keep tightly closed in a dry and cool place. No special restrictions on storage with other products.

#### **Incompatible materials:**

Contact with highly reactive chemicals like strong acids, strong bases, oxidizers or reducing agents may cause a dangerous reaction. Do not mix with chlorine bleach.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### **Exposure limits:**

Chemical Name	ACGIH TWA	ACGIH STEL	ACGIH CEILING	ACGIH - Skin Absorption Designation
Hydrogen Chloride (Hydrochloric acid) 7647-01-0			2 ppm	

Chemical Name	OSHA TWA	OSHA-Table Z-3 Mineral Dust	OSHA CEILING	OSHA - Skin Notations
Hydrogen Chloride (Hydrochloric acid) 7647-01-0			5 ppm 7 mg/m <sup>3</sup>	

**Derived No Effect Level (DNEL):**

No information available.

**Predicted No Effect Concentration (PNEC):**

No information available.

**Appropriate engineering controls**

**Engineering measures:**

Ensure adequate ventilation, especially in confined areas.

**Individual protection measures, such as personal protective equipment**

- Eye/face protection:** Follow label directions. No special technical protective measures are necessary. Avoid contact with eyes. Where use conditions and/or extent and duration of exposure differ from typical household consumer use, appropriate protective equipment may be necessary to minimize exposures.
- Hand protection:** Follow label directions. Prevent skin contact by using protective gloves appropriate for the hazard presented by this substance. Where use conditions and/or extent and duration of exposure differ from typical household consumer use, appropriate protective equipment may be necessary to minimize exposures.
- Skin and body protection:** Follow label directions. Skin and body protection is not normally necessary when this product is used according to product label directions. Where use conditions and/or extent and duration of exposure differ from typical household consumer use, appropriate protective equipment may be necessary to minimize exposures.
- Respiratory protection:** Follow label directions. Respiratory protective equipment is not normally necessary when this product is used according to product label directions. Where use conditions and/or extent and duration of exposure differ from typical household consumer use, appropriate protective equipment may be necessary to minimize exposures.

**General industrial hygiene practice:**

This product is sold as a consumer product. Where use conditions and/or extent and duration of exposure differ from typical household consumer use, appropriate protective equipment may be necessary to minimize exposures. Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

<b>Physical state:</b>	Liquid	<b>Odor:</b>	Mint-like; Acidic
<b>Appearance:</b>	Liquid	<b>Odor threshold:</b>	No information available
<b>Color:</b>	Blue green		
<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks • Method</u></b>	
<b>pH:</b>	< 1		
<b>Melting point/freezing point:</b>			No information available
<b>Boiling point/boiling range:</b>	100 °C / 212 °F		
<b>Flash point:</b>			No information available
<b>Evaporation rate:</b>			No information available
<b>Flammability (solid, gas):</b>			No information available
<b>Flammability limit in air:</b>			
<b>Upper flammability limit:</b>			

<b>Lower flammability limit:</b>		
<b>Vapor pressure:</b>		No information available
<b>Vapor density:</b>		No information available
<b>Specific gravity:</b>	1.040 - 1.054	
<b>Water solubility:</b>	Completely soluble	
<b>Solubility(ies):</b>		No information available
<b>Partition coefficient</b>		No information available
<b>Autoignition temperature:</b>		No information available
<b>Decomposition temperature:</b>		No information available
<b>Kinematic viscosity:</b>		No information available
<b>Dynamic viscosity:</b>		
<b>Explosive properties:</b>	No information available	
<b>Oxidizing properties:</b>	No information available	
<b>Softening point:</b>	No information available	
<b>Molecular weight:</b>	No information available	
<b>VOC content (%):</b>	< 0.5 (Excluding LVP material)	
<b>Density:</b>	No information available	
<b>Bulk density:</b>	No information available	

## 10. STABILITY AND REACTIVITY

### Reactivity

No data available.

### Chemical stability

**Stability:**

Stable under normal conditions.

**Sensitivity to mechanical impact:**

None.

**Sensitivity to static discharge:**

None.

### Possibility of hazardous reactions

Do not mix with chlorine bleach. Contact with highly reactive chemicals like strong acids, strong bases, oxidizers or reducing agents may cause a dangerous reaction.

### Conditions to avoid

Keep out of reach of children. Do not store at temperatures below 10°C.

### Incompatible materials:

Contact with highly reactive chemicals like strong acids, strong bases, oxidizers or reducing agents may cause a dangerous reaction. Do not mix with chlorine bleach.

### Hazardous decomposition products

Hydrogen chloride.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

**Aggravated medical conditions:** Exposure to this product may aggravate pre-existing skin, eye, and respiratory disorders.

**Principle routes of exposure:** Eye contact, skin contact, inhalation

- Inhalation:** May cause irritation of respiratory tract. See additional information below.  
**Eye contact:** Avoid contact with eyes. Severely irritating to eyes.  
**Skin contact:** Avoid contact with skin and clothing. Contact causes severe skin irritation and possible burns.  
**Ingestion:** Ingestion of this product can cause irritation of the mouth and throat, upset stomach, nausea, vomiting and diarrhea.

**Further information:** Inhalation overexposure to vapors or mist of hydrochloric acid may cause irritation and/or corrosion of the respiratory tract, bronchopneumonia, or pulmonary edema. The OSHA Permissible Exposure Limit (ceiling) and ACGIH Threshold Limit Value (ceiling) for hydrogen chloride are 5 ppm.

**Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Hydrogen Chloride (Hydrochloric acid) 7647-01-0	238 - 277 mg/kg ( Rat )	> 5010 mg/kg ( Rabbit )	= 1.68 mg/L ( Rat ) 1 h

**Information on toxicological effects**

**Symptoms:** No information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

- Skin corrosion/irritation** Causes severe burns.  
**Serious eye damage/eye irritation** Risk of serious damage to eyes.  
**Sensitization:** No information available.  
**Germ cell mutagenicity:** None known.  
**Carcinogenicity:** None known

Chemical Name	ACGIH	IARC (International Agency for Research on Cancer)	NTP	OSHA
Hydrogen Chloride (Hydrochloric acid) 7647-01-0	A4 - Not Classifiable as a Human Carcinogen	Group 3	-	-

**Legend**

*ACGIH (American Conference of Governmental Industrial Hygienists) A4 - Not Classifiable as a Human Carcinogen*  
*IARC (International Agency for Research on Cancer) Group 3 - Not Classifiable as to Carcinogenicity in Humans*  
*NTP (National Toxicology Program)*  
*OSHA (Occupational Safety and Health Administration of the US Department of Labor)*

- Reproductive toxicity:** This product does not contain any known or suspected reproductive hazards.  
**STOT - single exposure:** No information available.  
**STOT - repeated exposure:** No information available.  
**Aspiration hazard:** No hazard from product as supplied.

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

Chemical Name	Algae/aquatic plants	Fish	Crustacea
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Hydrogen Chloride (Hydrochloric acid) 7647-01-0	-	282: 96 h Gambusia affinis mg/L LC50 static	-
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**Persistence and degradability**

No information available.

**Bioaccumulation**

No information available

**Mobility in soil**

No information available.

**Other adverse effects**

No information available

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

**Disposal of wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated packaging:** Do not reuse container. Only empty packaging can be recycled.

**US EPA Waste Number** D002

**14. TRANSPORT INFORMATION**

The listed transportation classification does not address regulatory variations due to changes in package size, mode of shipment or other regulatory descriptions.

**DOT:**

UN/ID No.: UN1789  
Proper shipping name: HYDROCHLORIC ACID  
Hazard class: 8  
Packing group: II  
Reportable Quantity (RQ): 5000 Lbs. (Hydrochloric Acid)

**IMDG/ADR:**

UN/ID No.: UN1789  
Proper shipping name: HYDROCHLORIC ACID  
Hazard class: 8  
Packing group: II  
Marine pollutant: Not applicable

**ICAO/IATA:**

UN/ID No.: UN1789  
Proper shipping name: HYDROCHLORIC ACID

Hazard class: 8  
Packing group: II  
Marine pollutant: Not applicable

The information contained in this document is subject to change or update due to changing government regulations. The user of this document assumes responsibility for complying with all applicable national and international laws and regulations regarding the shipment of Dangerous Goods

## 15. REGULATORY INFORMATION

### EPA RCRA Hazardous Waste Classification: D002

Chemical Name	EPRCA (SARA title III) Section 313:
Hydrogen Chloride (Hydrochloric acid)	1.0 % de minimis concentration

**EPA FIFRA Information:** This chemical is a pesticide product registered by the Environmental Protection Agency (EPA Reg. No. 8155-6-6718) and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

**FIFRA hazard statements:** DANGER: Corrosive Causes irreversible eye damage and skin burns. May be fatal if swallowed

## 16. OTHER INFORMATION

### Key or legend to abbreviations and acronyms used in the safety data sheet

TWA - TWA (Time-Weighted Average)  
STEL - STEL (Short Term Exposure Limit)  
ACGIH (American Conference of Governmental Industrial Hygienists)  
EPA (Environmental Protection Agency)  
RCRA (Resource Conservation and Recovery Act)

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Prepared by: Access Business Group LLC, Environmental, Health and Safety Department, Ada, Michigan, U.S.A.

**This data sheet contains changes from the previous version in section(s): 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16**

**\*\*\*END OF SAFETY DATA SHEET\*\*\***