

# MATERIAL SAFETY DATA SHEET

## SECTION I - PRODUCT IDENTIFICATION AND COMPANY INFORMATION

**Product Name:** FLASH HD

**Product Use:** bowl and urinal cleaner

**Product Code:**

**Date of Issue:** >Ubi Ufm%Z&\$%<

**Supplier:** Evcor Solutions Inc.

**Address:** 530 Adelaide Street West  
Suite 6107

Toronto, Ontario M5V 1T5

**Telephone:** 1-800-860-1537

**Emergency Phone:** 613-996 6666 (CANUTEC)

## SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTS

Name	%	C.A.S.#	LC/50, Route,Species	LD/50, Route,Species
Hydrogen chloride	10-30	7647-01-0	3124 ppm Inhalation, Mouse	700 mg/kg Oral, Rat 5010mg/kg Dermal, Rabbit
Ethoxylated Alcohol	1-5	68131-39-5	Not available	3200 mg/kg Oral, Rat

## SECTION 3 – HAZARDS IDENTIFICATION

**Emergency overview:** Corrosive Causes respiratory tract, eye and skin burns. Harmfull if swallowed.  
Avoid contact with eyes, skin and clothing. Do not breathe vapour or mist. Do not ingest.  
Rinse after handling.

**Route of Entry:** Eye contact, Skin contact, Inhalation, Ingestion

### EFFECTS OF ACUTE EXPOSURE:

**Eye Contact:** Contact with vapours are moderately irritating to the eyes. Concentrated vapour, mist or splashed liquid can cause severe irritation, burns and permanent eye damage.

**Skin Contact:** Contact may cause redness, burns, pain and blistering.

**Inhalation:** Extremely irritating and/or corrosive to the eyes, nose, throat and lungs.

**Ingestion:** May be fatal if swallowed. Causes burns to the mouth, throat and stomach.

**Effects of chronic exposure:** Prolonged or repeated skin exposure to dilutions can cause irritation, drying, defatting and dermatitis.

**SECTION 4 – FIRST AID MEASURES**

**Eye:** Immediately flush with water for 15-20 minutes. Seek medical attention immediately.

**Skin:** Rinse with water for 15 minutes. Seek medical attention if irritation develops and persists.  
Remove contaminated clothing and launder before reuse.

**Inhalation:** Remove to fresh air and take deep, slow breaths. Seek medical attention if irritation persists.

**Ingestion:** Do not induce vomiting. Rinse mouth with water. Then drink two or more glasses of water.  
Do not give anything by mouth if victim is unconscious. Seek medical attention.

**SECTION 5 – FIRE FIGHTING MEASURES**

**Flash Point:** (deg C, TCC): Not applicable.

**Upper Flammable Limits:** Not applicable.

**Lower Flammable Limits:** Not applicable.

**Auto Ignition Temperature (°C):** Not available.

**Hazardous Combustion Products (under fire conditions):** Not available.

**Fire fighting media and instructions:** This product is a nonflammable substance.

Use extinguishing media that is appropriate for surrounding fire.

**Special protective equipment for fire-fighters:** Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Risk of explosion of the product in the presence of mechanical impact: Not available.

Risk of explosion of the product in the presence of static discharge: Not available.

**SECTION 6 – ACCIDENTAL RELEASE MEASURES**

**Personal Precautionary Measures:** Use appropriate personal protective equipment as specified in Section 8.

**Environmental Precautions**

**and Clean Up Procedures:** Before attempting clean up, refer to hazard data given above. Ventilate area of leak or spill. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labelled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice. Rinse with water to clean up residue and reduce possible slippery floor hazard.

**SECTION 7 – HANDLING AND STORAGE**

**Handling:** Use appropriate measures when handling product.

**Storage:** Keep out of reach of children. Do not breathe gas/fumes/ vapor/spray. Never add water to this product.

Store in closed plastic containers only.

Store away from incompatible materials. Store in a cool, dry well-ventilated area not to exceed 50°C.

**SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Engineering Controls:** General ventilation normally adequate to control airborne levels. If required provide exhaust ventilation or other engineering controls to keep the airbourne concentrations of vapours below their respective occupational exposure limits.

**Personal Protection:** The selection of personal protective equipment varies, depending upon conditions of use.

**Eyes:** Where direct eye contact may be a problem, use chemical splash goggles to avoid possible contact.

**Hands:** Use impervious (latex rubber) protective gloves.

**Skin:** Wear suitable protective clothing..

**Respiratory:** Not normally required if good ventilation is maintained.

<b>SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION</b>
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Name	Exposure Limit - ACGIH
Hydrogen chloride	5 ppm Ceiling TLV
Ethoxylated Alcohol	Not available

<b>SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES</b>
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**Appearance/Odour:** Opaque white. Pungent Wintergreen odour.

**Boiling Point:** (deg C): 100

**Specific Gravity:** ((Water=1)): 1.1

**Vapour Pressure:** (mm Hg): Not available

**Freezing/ Melting point:** Not available.

**Vapour Density (AIR=1):** Not available.

**Evaporation Rate (Water=1):** Similar.

**Solubility in water:** Soluble.

**pH (as supplied):** <1

**Odour threshold:** Not available.

**Physical State:** Liquid.

**Viscosity:** Not available.

<b>SECTION 10 – STABILITY AND REACTIVITY</b>
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**Stability:** The product is stable.

**Conditions to avoid:** Heat and contamination could cause decomposition.

**Incompatible Materials:** Highly reactive with alkalis and metals. Do not mix with bleach or other chlorinated products, will cause chlorine gases to be released.

**Hazardous Decomposition Products:** When heated to decomposition, emits toxic hydrogen chloride fumes and will react with water or steam to produce heat and toxic and corrosive fumes.

<b>SECTION 11 – TOXICOLOGICAL INFORMATION</b>
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**Irritancy of Material:** See Section 3 for Potential Health Effects.

**Carcinogenic effects:** None of the ingredients is listed by IARC, ACGIH, NTP, and OSHA as carcinogen.

**Teratogenic effects, Mutagenic effects, Reproductive Effects, Sensitization effects:** No data available.

**Synergistic materials:** Not available.

<b>SECTION 12 – ECOLOGICAL INFORMATION</b>
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**Ecotoxicity:** There is no test data on this product.

**Environmental Fate:** Product is corrosive. Low pH (acidity) of material is harmful to aquatic life.

**SECTION 13 – DISPOSAL CONSIDERATIONS**

**Methods of disposal:** Dispose of waste material at an approved waste hazardous waste treatment/disposal facility in accordance with municipal, provincial and federal regulations.

**SECTION 14 – TRANSPORTATION INFORMATION****T.D.G. CLASSIFICATION:**

**TDG Proper Shipping Name:** HYDROCHLORIC ACID, SOLUTION

**Class** 8

**UN Number:** 1789

**Packing Group:** II

**Note:** See shipping/receiving documents for specific transportation information.

**SECTION 15 – REGULATORY INFORMATION**

**WHMIS Classification:** Class E – Corrosive Material.

Class D - Division 1A: Material causing Immediate and Serious toxic effects (Very Toxic).

**Canadian Domestic Substance List (DSL):** All the ingredients are listed.

**Additional Information:** This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations and the MSDS contains all the information required.

**SECTION 16 – OTHER INFORMATION**

**Date:** January 1, 2015

**Prepared by:** Technical department

**Date of previous issue:** January 1, 2015

**DISCLAIMER:****NOTICE TO READER:**

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