

# SAFETY DATA SHEET

## SECTION 1: IDENTIFICATION

**Product name:** HD Drain Cleaner (#601)

**Recommended use:** Liquid drain opener

**Manufacturer:** EnviroWay Detergent Manufacturing Incorporated

2241 Hanselman Ave.

Saskatoon, SK S7L 6A7, Canada

Tel: 306-244-7727

Fax: 306-244-7772

Toll free: 1-888-274-0862, [www.envioway.ca](http://www.envioway.ca)

**Emergency phone:**

**Leak and Spill:** 1-800-667-7525 (SASK SPILLS) for the Province of Saskatchewan

1-866-845-6037 (Environment Canada) for anywhere else

**In Transit:** 1-613-996-6666 or \*666 on cellular phone (CANUTEC)

**Poison Control:** 1-866-454-1212 (Saskatchewan)

## SECTION 2: HAZARD IDENTIFICATION

### Hazard classification

Corrosive to metals	Category 1
Acute toxicity, Oral	Category 5
Skin corrosion/irritation	Category 1A
Serious eye damage/eye irritation	Category 1
Carcinogenicity	Category 1

**Signal word**    Danger



### Hazard statements

May be corrosive to metals.

May be harmful if swallowed.

Causes severe skin burns and eye damage.

May cause cancer through exposure to strong-inorganic acid mists.

### Precautionary statements

**Prevention**    Keep only in original packaging.  
Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Wash thoroughly after handling.

	Wear protective gloves, protective clothing, eye protection, and face protection. Do not breathe mist, vapours or spray.
<b>Response</b>	Immediately call a POISON CENTRE/doctor. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. IF exposed or concerned: Get medical advice/attention. Absorb spillage to prevent material-damage.
<b>Storage</b>	Store locked up.
<b>Disposal</b>	Dispose of in accordance with local regulations at government approved waste sites.

### SECTION 3: COMPOSITION

The following ingredients have hazardous properties:

Ingredient	CAS #	% by weight
Sulphuric acid	7664-93-9	100

Ingredients not shown are either not hazardous or present below cut-off values. Ranges shown are due to batch-to-batch variation.

### SECTION 4: FIRST AID MEASURES

**IF SWALLOWED:** Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Seek immediate medical attention.

**IF ON SKIN:** Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Seek immediate medical attention.

**IF IN EYES:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Continue rinsing eyes during transport to hospital.

**IF INHALED:** Move person into fresh air. If not breathing, give artificial respiration. Seek immediate medical attention.

**IF exposed or concerned:** Get medical advice/attention if you feel unwell.

### SECTION 5: FIRE FIGHTING MEASURES

**Flammable:** No

**Means of Extinction:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Flashpoint:** Not available

**Special Fire Fighting Procedures:** Use water spray to keep containers cool. Fire fighters should wear self-contained breathing apparatus and full protective clothing.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

**Leak and Spill Procedures:** Flush liquid to sewer with plenty of water if the spill is small. Large spills should be contained by diking with soil or other non-combustible absorbent material and then put into dot approved containers.

## SECTION 7: HANDLING AND STORAGE

**Handling Procedures and Equipment:** Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

**Storage Requirements:** Store locked up. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

## SECTION 8: PERSONAL PROTECTION

Ingredient	Exposure limit – ACGIH	Exposure limit – OSHA	Exposure limit – IDLH
Sulphuric acid	0.2 mg/m <sup>3</sup> , TWA	Not available	Not available

**Gloves:** Chemical resistant gloves.

**Respirator:** Use mechanical exhaust or laboratory fumehood to avoid exposure.

**Eye:** Tightly fitting safety goggles. Faceshield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Clothing:** Complete suit protecting against chemicals, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Clear, light brown liquid

**Odour:** mild acidic odour

**Odour Threshold (ppm):** >1 mg/m<sup>3</sup>

**pH:** <1

**Freezing Point:** 3°C

**Initial Boiling Point/Range:** 276°C

**Flash point:** Not available

**Evaporation Rate:** Information not available

**Flammability:** Not flammable

**Upper/lower flammability/explosive limit:** Information not available

**Vapour Pressure (mmHg):** 0.0018mmHg at 20°C

**Vapour Density (air = 1):** 3.4

**Relative density:** Information not available

**Solubility in Water:** Miscible

**Partition coefficient:** Information not available

**Auto-ignition temperature:** Information not available

**Decomposition temperature:** Information not available

**Viscosity:** Information not available

## SECTION 10: STABILITY AND REACTIVITY

**Chemical Stability:** Stable under recommended storage conditions

**Hazardous Polymerization:** No data available.

**Materials to Avoid:** Bases, Halides, Organic materials, Carbides, fulminates, Nitrates, picrates, Cyanides, Chlorates, alkali halides, Zinc salts, permanganates, e.g. potassium permanganate, Hydrogen peroxide,

Azides, Perchlorates., Nitromethane, phosphorous, Reacts violently with:, cyclopentadiene, cyclopentanone oxime, nitroaryl amines, hexalithium disilicide, phosphorous(III) oxide, Powdered metals  
**Hazardous Decomposition Products:** Sulphur oxides in case of fire.

## SECTION 11: TOXICOLOGICAL INFORMATION

Ingredient	LD50 oral (mg/kg) (rat)	LD50 dermal (mg/kg)	LC50 inhalation (mg/L)
Sulphuric acid	2140	Not available	0.51

### EFFECTS OF ACUTE EXPOSURE:

**Ingestion:** May be harmful if swallowed. Can cause burns to the mouth, throat, esophagus and gastrointestinal tract.

**Skin Contact:** Causes severe skin burns.

**Eye Contact:** Causes serious eye damage.

**Inhalation:** Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.

**Germ cell mutagenicity:** Not applicable

**Carcinogenicity:** The International Agency for Research on Cancer (IARC) has determined that occupational exposure to strong-inorganic acid mists containing sulfuric acid is carcinogenic to humans (group 1).

**Reproductive toxicity:** No applicable

**STOT single exposure:** Not applicable

**STOT repeated exposure:** Not applicable

**Aspiration hazard:** Not applicable

**Routes of exposure:** Ingestion, inhalation, skin/eye exposure

### EFFECTS OF CHRONIC EXPOSURE:

**Skin Contact:** Not known.

**Eye Contact:** Not known.

**Ingestion:** Not known

## SECTION 12: ECOLOGICAL INFORMATION

### Ecotoxicity:

Ingredient	Fish	Crustaceans	Algae
Sulphuric acid	LC <sub>50</sub> (96h): 42 mg/L	EC <sub>50</sub> (24h): 29 mg/L	Not available

**Persistence and Degradability:** The methods for determining the biological degradability are not applicable to inorganic substances.

**Bioaccumulation/Accumulation:** No information available.

**Mobility:** No information available.

**Other adverse effects:** An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

## SECTION 13: DISPOSAL CONSIDERATIONS

**Waste Disposal:** Dispose of in accordance with local regulations at government approved waste sites.

## SECTION 14: TRANSPORT INFORMATION

**Special Shipping Information:** None

### **TDG (Canada)**

**TDG Proper Shipping Name:** Sulphuric acid

**Hazard Class:** 8

**UN Number:** UN1830

**Packing Group:** II

**Note:** No additional remark.

**Marine Pollutant:** None

## SECTION 15: REGULATORY INFORMATION

**Canadian DSL Inventory Status:** All ingredients are specified on the Domestic Substances List or exempt

## SECTION 16: OTHER INFORMATION

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