

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

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, Inhalation	Category 2
Acute toxicity, Oral	Category 5
Skin corrosion/irritation	Sub-category 1A
Serious eye damage/eye irritation	Category 1

Signal word Danger



Hazard statements

May be corrosive to metals.

Fatal if inhaled.

May be harmful if swallowed.

Causes severe skin burns and eye damage.

Precautionary statements

Prevention Wash thoroughly after handling.

Wear protective gloves/protective clothing/eye protection/face protection.

Do not breathe fume/mist/vapours/spray.

Use only outdoors or in a well-ventilated area.

- Response** In case of inadequate ventilation wear respiratory protection.
 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.
 Immediately call a POISON CENTER or doctor/ physician.
 IF ON SKIN (or hair): Take off immediately contaminated clothing and wash before reuse.
 Rinse skin with water or shower.
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Immediately call a POISON CENTRE/doctor.
 Call a POISON CENTRE/doctor if you feel unwell.
- Storage** Store locked up. Keep only in original packaging. Store in a well-ventilated place. Keep lid tightly closed. Store in a corrosion resistant container or a container with a resistant interior liner.
- Disposal** 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	90-100

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. Consult a physician.
- IF ON SKIN:** Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.
- 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. Consult a physician.
- 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 ³ , 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/m³

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.

Skin Contact: May be harmful if absorbed through skin. Causes skin burns.

Eye Contact: Causes serious eye damage.

Inhalation: May be harmful if inhaled. 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	LC50 42 mg/l, 96h	EC50 29 mg/L, 24h	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: Class 8

UN Number: 1830

Packing Group: II

Note: No additional remark.

Marine Pollutant: None

DOT (US):

DOT Shipping Name: Sulphuric acid.

DOT Hazardous Class: Class 8

DOT UN Number: 1830

DOT Packing Group: II

DOT Reportable Quantity (lbs): 1000

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

Disclaimer – Notice to Reader

EnviroWay Detergent Manufacturing Incorporated, expressly disclaims all express or implied warranties of merchantability and fitness for a particular purpose, with respect to the product or information provided herein, and shall under no circumstances be liable for incidental or consequential damages. Do not use ingredient information and/or ingredient percentages in this SDS as a product specification. All information appearing herein is based upon data obtained from the manufacturer and/or recognized technical sources. While the information is believed to be accurate, EnviroWay makes no representations as to its accuracy or sufficiency. Conditions of use are beyond EnviroWay's control and therefore users are responsible to verify this data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product, or from the publication or use of, or reliance upon, information contained herein. This information relates only to the product designated herein, and does not relate to its use in combination with any other material or in any other process.