

Section I. Product Identification and Uses

HMIS (HFRP)
Health Hazard 3
Fire Hazard 0
Reactivity 2
Personal Protection x

Common / Trade name	TORPEDO Liquid Drain Opener	TDG	Class 8
WHMIS	D1A, E	PIN	UN 1830 SULFURIC ACID
Code	1428	PG	II
Material uses	Drain opener		

Section II. Hazardous Ingredients

Name	CAS #	% by weight	TLV/PEL	LC50/LD50
Sulfuric acid	7664-93-9	60-100	Not available.	ORAL (LD50): Acute: 2140 mg/kg [Rat]. VAPOR (LC50): Acute: 510 mg/m ³ 2 hour (s) [Rat]. 320 mg/m ³ 2 hour(s) [Mouse].

Section III. First Aid Measures

Eye contact IMMEDIATELY flush eyes with running water for at least 20 minutes, keeping eyelids open. Seek medical attention.

Skin contact In case of contact, immediately flush skin with plenty of water for at least 20 minutes while removing contaminated clothing and shoes.

Inhalation Allow the victim to rest in a well ventilated area. Seek medical attention if discomfort persists.

Ingestion DO NOT induce vomiting. Have conscious person drink several glasses of water. NEVER give an unconscious person anything to ingest. Loosen tight clothing. Seek immediate medical attention.

Section IV. Physical Data

Physical state and appearance	Liquid. (Clear.)	Colour	Red.
pH (1% soln/water)	< 2	Odour	Pungent.
pH (concentrate)	Not available.	Volatility	0% (v/v).
Boiling point	290°C (554°F) (Hydrogen sulfate).	Vapour density	Weighted average: 3.28 (Air = 1)
Specific gravity	1.80-1.86 (Water = 1)	Vapour pressure	Not available.
Solubility	Easily soluble in cold water, hot water.		

Section V. Fire and Explosion Data

The product is Non-flammable.

Auto-ignition temperature Not applicable.

Flash points Not applicable.

Degradation products Sulfur oxides (SO₂, SO₃...)

Extinguishing media Use DRY chemicals, CO₂, alcohol foam or water spray.

Section VI. Reactivity data

Stability The product is stable.

Decomp. products See fire degradation products.

Reactivity Extremely reactive or incompatible with reducing agents, organic materials, metals, alkalis, oxidizing agents. The product may undergo hazardous decomposition, condensation or polymerization, it may react violently with water to emit toxic gases or it may become self-reactive under conditions of shock or increase in temperature or pressure.

Section VII. Toxicological properties

Route of entry Absorbed through skin. Inhalation. Ingestion. Eye contact.

Toxicity for animals See section II.

Acute effects Hazardous in case of skin contact (corrosive), of ingestion, of inhalation, of eye contact (corrosive). Liquid or spray mist may produce tissue damage particularly on mucous membranes of eyes, mouth and respiratory tract. Can be fatal if ingested.

Chronic effects Hazardous in case of inhalation. CARCINOGENIC EFFECTS: Classified 1 (Proven for human.) by IARC [sulfuric acid]. Classified A2 (Suspected for human.) by ACGIH [sulfuric acid]. MUTAGENIC EFFECTS: Classified None. for human [sulfuric acid]. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Classified Non-toxic to the female reproductive system. Non-toxic to the male reproductive system. [sulfuric acid]. Repeated or prolonged exposure to the substance can produce target organs damage.

Section VIII. Preventive measure

- Waste disposal** Recycle, if possible. Consult your local or regional authorities.
- Storage** Keep container in a cool, well-ventilated area. May corrode metallic surfaces. Store in a metallic or coated fibreboard drum using a strong polyethylene inner package. Strong acids that are not strong oxidants should be stored in a separate safety storage cabinet or room.
- Precautions** Keep locked up and out of the reach of children. In case of contact, immediately flush eyes with plenty of water for at least 20 minutes. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
- Spill and leak** Dilute with water and mop up, or absorb with an inert DRY material and place in an appropriate waste disposal container.
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Section IX. Personal protective equipment

- Gloves** Gloves (impervious) Neoprene gloves. Nitrile gloves. Rubber gloves.
- Respiratory** A respirator is not needed under normal and intended conditions of product use. Wear appropriate respirator when ventilation is inadequate and product is being sprayed. Approved/certified respirator with acid gas cartridges.
- Eyes** Splash goggles. Face shield
- Other** Full suit, apron, face shield, boots: are recommended under exceptional circumstances such as fire, spill, or for prolonged contact with bulk quantities.
- Eng. controls** Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.
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Section X. Preparation and other Information

Validated by the Regulatory Affairs Department on 11 Mar. 2010

Printed 12 Mar. 2010

EMERGENCY: CANUTEC 613-996-6666

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Annex A. Legend

- HMIS** Hazardous Materials Identification System
- WHMIS** WHMIS Workplace Hazardous Materials Information System
- TDG** Transport Dangerous Goods
- PIN** Product Identification Number
- PG** Packaging Group
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