

MATERIAL SAFETY DATA SHEET

Flammability	Reactivity
Health	Personal Protection

SECTION – MATERIAL IDENTIFICATION AND USE

Material Name Drain Master

Manufacturer Crown Chemical Products Inc

Supplier's Name

Street Address 6125 Netherhart Rd
Mississauga Ontario
L5T 1G5

Suppliers Address

Emergency Tel. (905) 564-0904

Chemical Name Sulphuric Acid

Chemical Family Acid

Molecular Weight 98

Material Use Drain Opener

SECTION II – HAZARDOUS INGREDIENTS OF MATERIAL

Hazardous Ingredients	Approximate Concentration %	C.A.S. N.A. or U.N. Numbers	Exposure Limits	LD ₅₀ / LC ₅₀ Specify Species and Route
Commercial Sulphuric Acid	90-100	UN 1830 CAS 7664-93-9	N/AV	LD ₅₀ (Oral Rat) 2140 mg/kg

SECTION III – PHYSICAL DATA FOR MATERIAL

Physical Liquid	Odour and Appearance	Clear, odourless.
Specific Gravity 1.84 @ 15.5C	Evaporation Rate	N/AV
Freezing Point(°C) -1.1	Solubility in Water (20°C)	Completely
PH 0.3	Density (g/ml) 1.84	Coefficient of Water/Oil Distribution
		N/AV
		Boiling Point 276
		% Volatile (by volume) <1.0

SECTION IV – FIRE AND EXPLOSION HAZARD OF MATERIAL

Flammability (if yes, under which conditions:) No. Not flammable. Extremely hazardous in contact with many materials particularly carbides, chlorates, fulminates, nitrates, picrates, powdered metals, hydrogen. Hydrogen gas can accumulate to explosive concentrations inside confined spaces.

Means of Extinction N/AP

Special Procedures Wear positive pressure self contained breathing apparatus.

Flashpoint (°C) and Method N/AP

UEL (% By Vol.) N/AP

LEL (% By Vol.) N/AP

Auto Ignition Temp. (°C) N/AP

TDG Flammability Classification 8

Hazardous Combustion Products SO₂, H₂SO₃

Explosion Data – Sensitivity to Chemical Impact N/AV

Rate of Burning N/AV

Explosive Power N/AV

Sensitivity to Static Discharge N/AP

SECTION V – REACTIVITY DATA

Chemical Stability Yes.

Incompatibility to Other Substances Yes. Contact of acid with metals may form flammable hydrogen gas.

Reactivity and Under What Conditions? Contact of acid with organic materials (such as chlorates carbides, fulminates and picrates) may cause fire, and explosion.

Hazardous Decomposition Products SO₂, H₂SO₃

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SECTION VI – TOXICOLOGICAL PROPERTIES OF PRODUCT

Route Of Entry Skin Absorption Eye Contact X Inhalation Acute X Inhalation Chronic Ingestion X Skin Contact X

Effects Of Acute Exposure To Product Health Hazard Data:

Eye – Immediate pain, severe burns and permanent corneal damage which may result in blindness.

Skin – Concentrate solution may cause pain and severe burns to the skin and brownish or yellow stains. Prolonged and repeated exposure to dilute solutions may cause irritation, redness, pain and drying and cracking of the skin

Ingestion – Severe burning and pain in the mouth, throat and abdomen. Vomiting diarrhea and perforation of the esophagus and stomach lining may occur.

Inhalation – Mists and vapours may cause irritation of the eyes, nose and respiratory tract. May cause increased pulmonary resistance, transient cough and bronchoconstriction. Severe overexposure may result in lung collapse and pulmonary edema which can be fatal. Prolonged or repeated exposure may result in impaired lung function and possible discoloration and erosion of teeth.

Effects Of Chronic Exposure To Product Corrosive effects on the skin and eyes may be delayed, and damaged may occur without the sensation or onset of pain. Strict adherence to first aid measures following any exposure is essential.

Irritancy Of Product N/AV

Exposure Limits Of Product N/AV

Sensitization To Product N/AV

Synergistic Materials N/AV

X Carcinogenicity

X Reproductive Effects

X Teratogenicity

X Mutagenicity

SECTION VII – PREVENTIVE MEASURES

Gloves Rubber, Latex

Respiratory An approved air-purifying, respirator.

Eye Tight-fitting chemical goggles and face shield.

Footwear Wear rubber boots when handle large quantity of product.

Clothing Wear acid resistant aprons when handle large quantity of product.

Other Safety showers and eyewash fountains should be installed in storage and handling areas.

Leak And Spill Procedure Remove all ignition sources. Ventilate area. Stop or reduce leak if safe to do so. Dike with inert material (sand, earth, etc.). Collect into containers for reclaim or disposal. Use lime, limestone, sodium carbonate (soda ash), sodium bicarbonate to neutralize.

Waste Disposal Disposal of Sulphuric Acid must meet with all local, provincial and federal regulations.

Handling Procedures And Equipment

Storage Requirements Store in cool, well ventilated area.

Special Shipping Information TDG Class 8

SECTION VII – FIRST AID MEASURES

Skin Flush skin with running water for a minimum of 20 minutes. Start flushing, while removing contaminated clothing. If irritation persists, repeat flushing. Obtain medical attention IMMEDIATELY. Do not transport victim unless the recommended flushing period is completed or flushing can be continued during transport.

Eye Immediately flush eyes with running water for a minimum of 20 minutes. Hold eyelids open during flushing. If irritation persists, repeat flushing. Obtain medical attention IMMEDIATELY. Do not transport victim until the recommended flushing period is completed unless flushing can be continued, during transport.

Inhalation Move victim to fresh air. Give artificial respiration ONLY if breathing has stopped. Give Cardiopulmonary Resuscitation (CPR) if there is no breathing AND no pulse. Obtain medical attention IMMEDIATELY.

Ingestion If victim is alert and not convulsing, rinse out mouth and give ½ to 1-glass of water to dilute material. DO NOT induce vomiting. If spontaneous vomiting occurs, have victim lean forward with head down to avoid breathing in of, vomit, rinse mouth and administer more water. IMMEDIATELY transport victim to an emergency facility.

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SECTION VIII – FIRST AID MEASURES CONTINUED

General Advise N/AV

SECTION IX – PREPARATION DATE OF M.S.D.S.

Additional Information/Comments The information herein is given in good faith but no warranty, expressed or implied, is made.

Sources Used

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