SAFETY DATA SHEET

SECTION 01: IDENTIFICATION

Product identifier **DRAIN MASTER**
Other means of identification #7010
Recommended use Drain opener
Recommended restrictions Reserved for industrial and professional use.
Manufacturer

Company name Crown Chemical Products Inc. **Supplier's Name**
Address 6125 Netherhart Road, Mississauga, Ont. L5T 1G5 **Supplier's Address**
Emergency Tel: (905) 564-0904

SECTION 02: HAZARD(S) IDENTIFICATION

Hazard Classification

Corrosive to metals	Category 1
Acute Toxicity, Oral	Category 4
Acute Toxicity, Inhalation	Category 4
Skin Corrosion/Irritation	Category 1
Serious Eye damage/eye irritation	Category 1

Label elements

Signal Word **Danger**

Hazard Statement
May be corrosive to metals.
Harmful if swallowed.
Harmful if inhaled.
Causes severe skin burns and eye damage.

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Precautionary Statement
Do not get in eyes, on skin, or on clothing.
Do not handle until all safety precautions have been read and understood.
Do not breathe fumes.
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/shower. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
Immediately call a POISON CENTER or doctor/physician.
Wash contaminated clothing before reuse.
Absorb spillage to prevent material damage.
Store in a closed container. Store locked up.
Keep out of reach of children.

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SECTION 03: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Concentration %
Sulphuric Acid	7664-93-9	80-100

SECTION 04: FIRST-AID MEASURES

Inhalation Remove to fresh air. Get medical attention if symptoms occur.

Skin contact Wash off immediately with plenty of water for at least 15 minutes. Use a mild soap if available. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.

Eye Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

Ingestion	Rinse mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.
Most important symptoms/effects, acute and delayed	See Section 11 for more detailed information on health effects and symptoms.

SECTION 05: FIRE-FIGHTING MEASURES

Suitable extinguishing media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media	None known.
Specific hazards arising from the chemical	Not flammable or combustible.
Special protective equipment and precautions for firefighters	Wear full protective equipment including a self-contained breathing apparatus. Do not breathe fumes.

SECTION 06: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid inhalation, ingestion and contact with skin and eyes. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.

Methods and materials for containment and cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

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SECTION 07: HANDLING AND STORAGE

Precautions for safe handling	Do not ingest. Do not get in eyes, on skin, or on clothing. Avoid breathing mist or vapour. Use only with adequate ventilation. Do not mix with bleach or other chlorinated products - will cause chlorine gas.
Conditions for safe storage	Keep out of reach of children. Store in suitable labeled containers. Store locked up.

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SECTION 08: EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits	Sulphuric Acid Form of exposure: TWA (Thoracic fraction) Permissible concentration: 0.2 mg/m3
Appropriate Engineering Controls	Effective exhaust ventilation system.
Personal Protective Equipment	Wear the following personal protective equipment: Standard glove type. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Gloves	Rubber or latex
Respiratory	When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
Eye	Wear eye protection/face protection.
Clothing	Wear protective clothing.

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SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Odour	Odourless
Physical State	Liquid
Color	Colourless
Odour Threshold	No data available.
pH	0.3
Freezing Point (ºC)	No data available.
Initial Boiling Point (ºC)	>100°C
Flashpoint (°C)	Not applicable, does not sustain combustion.
Evaporation Rate	No data available.
Flammability	No data available.
Lower Explosive Limit	No data available.
Upper Explosive Limit	No data available.
Lower Flammability Limit	Not applicable.
Upper Flammability Limit	Not applicable.
Vapour Pressure (mm)	No data available.
Vapour Density (Air = 1)	No data available.
Relative Density	1.84
Solubility	Soluble
Partition coefficient (n-octanol/water)	No data available.

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SECTION 10: STABILITY AND REACTIVITY

Auto Ignition Temp. (ºC)	No data available.
Decomposition Temperature	No data available.

Viscosity	No data available.
Reactivity	Reacts violently with water and organic materials with evolution of heat.
Chemical Stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	See "Reactivity"
Conditions to avoid	Concentrated acid is strong oxidizing agent. May cause ignition of combustible material on contact with generation of toxic fumes. Avoid open flames and sparks.
Incompatible Materials	Bases, Metals, and Organic materials
Hazardous Decomposition Products	Decomposition products may include the following materials: Carbon oxides nitrogen oxides (NOx) Sulphur oxides Oxides of phosphorus

SECTION 11: TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

☒ Skin Contact ☒ Eye Contact ☐ Ingestion
☐ Skin Absorption ☒ Inhalation

Toxicological Information

Effects Of Acute Exposure To Product
Health Hazard Data:
Eye – Immediate pain, severe burns and serious eye damage.
Skin – Concentrate solution may cause pain and severe burns to the skin.
Ingestion – Severe burning and pain in the mouth, throat and abdomen.
Inhalation – Mists and vapours may cause irritation of the eyes, nose and respiratory tract.

Chronic Exposure - Health injuries are not know or expected under normal use.

ToxicityData
Acute oral toxicity : no data available
Acute inhalation toxicity : no data available
Acute dermal toxicity : no data available
Skin corrosion/irritation : no data available
Serious eye damage/eye irritation : no data available
Respiratory or skin sensitization : no data available

Carcinogenicity
IARC : No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA : No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
NTP : Known to be human carcinogen

Reproductive effects : no data available
STOT- single exposure : no data available.
STOT - repeat exposure : no data available.

Respiratory or skin sensitization : no data available.
Germ cell mutagenicity : no data available.

Numerical Measures Of Toxicity

Hazardous Ingredients	LD_{50} / LC_{50} Specify Species and Route

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Sulphuric Acid	LC50 - Inhalation (Rat) 510 mg/m3 - 2 HR LD50 - Oral (Rat) 2140 mg/kg

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity	Envirnomental Effects: Harmful to aquatic life.
Persistence and degradability	No data available.
Bioaccumulative potential	No data available.
Mobility in soil	No data available
Other adverse effects	No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal methods	In accordance with municipal, provincial and federal regulations.

SECTION 14: TRANSPORT INFORMATION

UN number	1830
TDG Classification	SULPHURIC ACID Class 8
Packing group	II
Special Shipping Instructions	Refer to Transportation of Dangerous Goods Regulations.

SECTION 15: REGULATORY INFORMATION

Regulatory Information	This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.

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SECTION 16: OTHER INFORMATION

N/AP = Not Applicable
N/AV = Not Available
ACGIH : American Conference of Governmental Industrial Hygienists
AIHA : American Industrial Hygiene Association
CMRG : Chemical Manufacturer's Recommended Guidelines
GHS: Globally Harmonized System
HPR : Hazardous Products Regulations
IARC: International Agency for Research on Cancer
NIOSH: The National Institute for Occupational Safety and Health
NTP : National Toxicology Program
OSHA : United States Department of Labor - Occupational Safety and Health Administration
PEL: Permissible Exposure Limit
STEL: Short Term Exposure Limit
TLV: Threshold Limit Value
TWA: Time-Weighted-Average

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