

MATERIAL SAFETY DATA SHEET

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SECTION I - PRODUCT IDENTIFICATION AND PREPARATION INFORMATION

PRODUCT NAME: Major Flush EFFECTIVE DATE: 01/01/10
WHMIS CLASS: Liquid Drain Opener CODE NO. 6250
Class E: Corrosive Material
Class D: Division 1A
T.D.G. CLASSIFICATION: UN NUMBER 1830
PROPER SHIPPING NAME SULPHURIC ACID
CLASS 8
PACKAGING GROUP II

MANUFACTURER NAME AND ADDRESS: ROYALPAK INC.
1870 ALBION RD#3.
MSDS PREPARED BY SAME: ETOBICOKE, ONT.
M9W 5T2
(416) 746 4226
EMERGENCY PHONE: CANUTEC (613) 996 6666

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENTS:	CAS#	WT%	ACGIH-TLV	LC50	LD50
Sulphuric Acid	7664-93-9	60-100	1 mg/m ³ TWA	90 ppm/4hr (Rat)	2140 mg/kg (Oral Rat)

SECTION III- PHYSICAL DATA

BOILING POINT (DEG C):	270	SPECIFIC GRAVITY (H2O=1):	1.835
VAPOUR PRESSURE (mm Hg):	0.0018@20°C	PERCENT VOLATILE (WT%):	Not available
VAPOUR DENSITY (AIR=1):	3.4	EVAPORATION RATE (Water=1):	Not available
SOLUBILITY IN WATER:	Soluble	PH (AS SUPPLIED):	<1.0
PHYSICAL STATE:	Liquid	VISCOSITY:	Not available
APPEARANCE AND ODOUR:	Clear amber, pungent odour.		

SECTION IV- FIRE AND EXPLOSION DATA

FLAMMABILITY: Not flammable but highly reactive.
FLASH POINT: Not applicable
LEL: Not available
UEL: Not available
HAZARDOUS COMBUSTION PRODUCTS: Not applicable
MEANS OF EXTINCTION: Treat for surrounding material. Use dry chemical, carbon dioxide, foam or water spray.
SPECIAL FIRE HAZARDS: Corrosive material. Container may burst in heat of fire. Contact with moisture may result in heating. Capable of igniting finely divided combustibles on contact.
Fire fighters to wear self-contained breathing apparatus if risk of exposure to products of decomposition. Reacts violently with water.

SECTION V- REACTIVITY DATA

CONDITIONS FOR CHEMICAL INSTABILITY: Stable
INCOMPATIBILITY: Organics, metals and combustible materials.
HAZARDOUS DECOMPOSITION: Decomposes on heating emitting toxic fumes. Oxides of sulphur.

SECTION VI- TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY: Eye, skin contact, inhalation, ingestion

EFFECTS OF ACUTE EXPOSURE:

EYE: Contact can cause burns, severe corneal damage and permanent loss of vision.
SKIN: Contact can cause severe tissue damage.
INHALATION: Can cause nose, throat, and respiratory tract irritation coughing, headache and medical problems.
INGESTION: Can cause burns to mouth, throat, stomach and medical problems.

EFFECTS OF CHRONIC EXPOSURE:

SKIN: Prolonged or repeated exposure can cause skin burns.
IRRITANCY: Hazardous by WHMIS criteria.
RESPIRATORY TRACT SENSITIZATION: No data available
CARCINOGENIC EFFECTS: Insufficient data available
TERATOGENIC EFFECTS: Insufficient data available
MUTAGENIC EFFECTS: Insufficient data available
SYNERGISTIC MATERIALS: Not available

SECTION VII-PREVENTATIVE MEASURES

GLOVES: Butyl, nitrile rubber or natural rubber. Confirm with reputable supplier first.
EYE PROTECTION: Chemical goggles and face shield.
RESPIRATORY PROTECTION: If inhalation of high concentration of mist is likely, use high efficiency air respirator.
OTHER PROTECTIVE EQUIPMENT: As required by employer codes.
ENGINEERING CONTROLS: Local exhaust recommended.
LEAK AND SPILL PROCEDURE: Before attempting clean up, refer to hazard data given above. Dilute small spills with water and mop up with non-reactive absorbent and placed in suitable, covered labeled containers. If necessary, neutralize the residue with a dilution solution of sodium carbonate. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice.
WASTE DISPOSAL: Review federal, provincial and local government requirements prior to disposal.
STORAGE REQUIREMENTS: Store in closed containers. Store away from incompatible materials. Store in a cool, dry well ventilated area.

SECTION VIII- FIRST AID

EYE: Immediately flush with water for 15 minutes. Call a doctor immediately.
SKIN: Rinse with soap and water. Call a doctor if irritation develops and persists. Completely decontaminate clothing, shoes and leather goods before reuse or discard.
INHALATION: Remove to fresh air. If symptoms persist, call a doctor.
INGESTION: Do not induce vomiting. Rinse mouth with water; drink two or more glasses of water. Contact a doctor immediately. Never give anything by mouth if victim is unconscious, is rapidly losing consciousness or is convulsing.

DISCLAIMER:

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