

## SECTION I - PRODUCT IDENTIFICATION AND PREPARATION INFORMATION

PRODUCT NAME: Major Flush EFFECTIVE DATE: 5/15/04

WHMIS CLASS: Liquid Drain Opener CODE NO. 6250  
 Class E: Corrosive Material  
 Class D: Division 1A

T.D.G. CLASSIFICATION: Sulphuric Acid  
 Class: 8 UN:1830 PG: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 <sup>3</sup> 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.

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SECTION V- REACTIVITY DATA

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

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SECTION VI- TOXICOLOGICAL PROPERTIES

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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

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SECTION VII-PREVENTATIVE MEASURES

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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.

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SECTION VIII- FIRST AID

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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.

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