

# MATERIAL SAFETY DATA SHEET

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## SECTION I - PRODUCT IDENTIFICATION AND PREPARATION INFORMATION

PRODUCT NAME: BROSHOT EFFECTIVE DATE: January 1<sup>st</sup>, 2009

WHMIS CLASS: Drain Opener CODE NO. 6290  
Class E: Corrosive Material  
Class B - Division 3: Combustible Liquids  
Class D: Division 1A

T.D.G. CLASSIFICATION: CORROSIVE LIQUID, TOXIC, N.O.S. (Sulphuric Acid)  
Class: 8 (6.1) UN:2922 PG:II

MANUFACTURER NAME AND ADDRESS: BRODI SPECIALTY PRODUCTS LTD.  
250 COCHRANE DRIVE, UNIT 9  
MARKHAM, ONTARIO L3R 8E5  
(905) 475-6084

MSDS PREPARED BY: MSDS CO-ORDINATOR, (877) 744-0751 EXT 205, BRODI SPECIALTY PRODUCTS LTD.

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)
1,2-Dichlorobenzene	95-50-1	5-10	Not available	Not available	500 mg/kg (Oral Rat)

## SECTION III- PHYSICAL DATA

BOILING POINT (DEG C):	179	SPECIFIC GRAVITY (H2O=1):	1.725
VAPOUR PRESSURE (mm Hg):	0.0018@20°C	PERCENT VOLATILE (WT%):	16%
VAPOUR DENSITY (AIR=1):	3.57	EVAPORATION RATE (Water=1):	Not available
SOLUBILITY IN WATER:	Soluble	PH (AS SUPPLIED):	<1.5
PHYSICAL STATE:	Liquid (Biphasic)	VISCOSITY:	Not available
APPEARANCE AND ODOUR:	Brown, pungent aromatic odour.		

## SECTION IV- FIRE AND EXPLOSION DATA

FLAMMABILITY: Combustible but highly reactive.

FLASH POINT: Open cup: 68°C (Cleveland) Upper phase only.

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. . Keep away from sources of ignition. Container may burst in heat or fire. Contact with moisture may result in heating.  
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, absorption

**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.  
ABSORPTION: Severe over-exposure can result in death.

**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: Impervious. 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. Do not place in areas that the temperature is above 49°C or in direct sunlight.

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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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**DISCLAIMER:**

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