



# MATERIAL SAFETY DATA SHEET

## MAJOR FLUSH

### SECTION 1 – CHEMICAL PRODUCT & COMPANY IDENTIFICATION

PRODUCT NAME: Major Flush  
GENERAL/GENERIC NAME:  
PRODUCT USE: Liquid Drain Opener  
EFFECTIVE DATE: AUGUST 21, 2014  
VENDOR NAME AND ADDRESS: Alpine Specialty Chemicals Ltd.  
24 Ronson Drive, Unit 16  
Etobicoke, Ontario M9W 1B4  
613-996-6666  
24 HOUR EMERGENCY NO.

### SECTION 2 – COMPOSITION / INFORMATION INGREDIENTS

| INGREDIENT     | %W/W  | CAS.NO    | TLV    | LD50 / LC50                          |
|----------------|-------|-----------|--------|--------------------------------------|
| Sulphuric Acid | 60-90 | 7664-93-9 | 1mg/m3 | 90 ppm/4hr ( Rat )/ 2140mg/kg ( Rat) |

### SECTION 3 – HAZARDS IDENTIFICATION

#### Route of Entry:

**Skin Contact:** Causes severe burns.

**Eye Contact:** Causes permanent corneal injury..

**Inhalation:** Mist causes severe irritation of the respiratory tract.

**Ingestion:** Causes severe burns to digestive tract.

**Effects of Acute Exposure:** (see section 11 for Toxicological information).

### SECTION 4 – FIRST AID

**Eyes:** Contact can cause burns, severe corneal damage and permanent loss of vision. Get medical attention immediately.

**Skin Contact:** Contact can cause severe tissue damage. Flush contaminated skin with plenty of soap and water. Remove contaminated clothing. Launder contaminated clothing thoroughly before re-use. Seek medical attention if skin is burned or symptoms continue.

**Inhalation:** Remove victim to fresh air. Aid in breathing if necessary. If breathing stops, administer artificial respiration. Seek medical attention. Effects may be delayed for a few hours and aggravated by physical exertion.

**Ingestion:** Give plenty of water to drink to dilute stomach contents. **Do not induce vomiting.** Seek immediate medical attention.

### SECTION 5 – FIRE FIGHTING MEASURES

FLASH POINT: ND  
FLAMMABLE LIMITS: ND  
AUTO-IGNITION TEMP: ND  
EXTINGUISHING MEDIA:  
SPECIAL FIREFIGHTING PROCEDURES: Wear self-contained breathing apparatus and protective clothing.  
EXPLOSION DATA: ND  
HAZARDOUS COMBUSTION PRODUCTS: NA

### SECTION 6 – ACCIDENTAL RELEASE MEASURES

**Leak/Spill:** Contain spill; absorb onto inert material.

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### SECTION 7 – HANDLING AND STORAGE

**Handling Procedures:** Avoid all skin contact. Ventilate adequately, otherwise wear an appropriate breathing apparatus. Avoid contact with eyes, skin or clothing. Keep container closed when not in use.

**Storage Procedures:** Keep from freezing. Keep containers closed when not in use.

### SECTION 8 – EXPOSURE CONTROLS

#### PROTECTIVE EQUIPMENT TO BE USED:

RESPIRATORY PROTECTION: Not required under adequate ventilation.  
VENTILATION: General ventilation adequate.  
PROTECTIVE GLOVES: Rubber gloves Confirm with reputable supplier first.  
EYE PROTECTION: Safety glasses if risk of contact and safety shield.  
OTHER PROTECTIVE MEASURES: ND

### SECTION 9 – PHYSICAL PROPERTIES

PHYSICAL STATE: Liquid  
APPEARANCE AND ODOUR: Clear amber pungent odor.  
ODOUR THRESHOLD: ND  
SPECIFIC GRAVITY: 1.835  
VAPOUR PRESSURE: ND  
VAPOUR DENSITY: ND  
pH: <1.0  
EVAPORATION RATE: ND  
INITIAL BOILING POINT: NA  
WATER SOLUBILITY: Complete  
FREEZING POINT: ND

### SECTION 10 – STABILITY AND REACTIVITY

STABILITY: Stable  
INCOMPATIBILITY: Organics, metals and combustible materials.  
HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of sulfur, toxic fumes.  
HAZARDOUS POLYMERIZATION: Will not occur.  
CONDITIONS TO AVOID: Very Hazardous product.

### SECTION 11 – TOXICOLOGICAL INFORMATION

THRESHOLD LIMIT VALUE: ND  
EFFECTS OF ACCUTE EXPOSURE  
SKIN CONTACT: Cause skin burn  
EYE CONTACT: Contacts cause burns, severe corneal damage and permanent loss of vision .  
INHALATION: May cause irritation to the respiratory tract.  
INGESTION: May cause irritation to the digestive tract. It is very harmful if swallowed.  
EFFECT OF CHRONIC EXPOSURE: Repeated or prolonged exposure may cause drying of skin and dermatitis.  
IRRITANCY OF PRODUCT: Hazardous by WHMIS criteria.  
CARCINOGENICITY: ND  
SENSITIZATION TO MATERIAL: ND  
REPRODUCTION TOXICITY: ND  
TERATOGENICITY: ND  
MUTAGENICITY: ND

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### **SECTION 12 – ECOLOGICAL CONSIDERATION**

No permanent effects on ecosystem

### **SECTION 13 – DISPOSAL CONSIDERATIONS**

**Waste Disposal:** In accordance with federal, provincial or local government requirements.

### **SECTION 14 – TRANSPORT INFORMATION**

**TDG Classification:** Sulfuric Acid with more than 51 % Acid, CLASS 8 UN 1830 PG II

### **SECTION 15 – REGULATORY INFORMATION**

**WHMIS Classification:** D1A, E

### **SECTION 16 – OTHER INFORMATION**

Prepared by: Lab Personnel

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