



09/2007

**MATERIAL SAFETY DATA SHEET**

**"LIQUID FIRE" DRAIN LINE OPENER**

**MANUFACTURER'S NAME:**

AMAZING PRODUCTS, INC.  
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BUSINESS HOURS: 8:00AM TO 4:30PM EST  
Monday thru Friday

**EMERGENCY TELEPHONE NUMBER:**

INFOTRAC 1-800-535-5053

**HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**

<u>HAZARDOUS COMPONENTS</u>	<u>CAS#</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>OTHER LIMITS</u>
Sulfuric Acid	7664-93-91	mg/m <sup>3</sup>	1mg/m <sup>3</sup>	NONE
Rodine 31A	105-55-51	mg/m <sup>3</sup>	1mg/m <sup>3</sup>	NONE

**PHYSICAL/CHEMICAL CHARACTERISTICS:**

**BOILING POINT:** Sulfuric Acid - 535 oF      **SPECIFIC GRAVITY (H<sub>2</sub>O=1):** 1.835  
Rodine 31A - 212 oF      1.13 - 1.15

**VAPOR PRESSURE:** (mm Hg) : N/A      **MELTING POINT:** N/A

**VAPOR DENSITY:** (AIR=1) 3.38      **EVAPORATION RATE:** Less than one  
(Butyl Acetate = 1)

**SOLUBILITY IN WATER:**

Completely Miscible

**APPEARANCE AND ODOR:**

Dark Amber Liquid with slight pungent odor

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**FIRE AND EXPLOSION HAZARD DATA:**

**FLASH POINT:**

Not Flammable: may ignite combustible materials

**FLAMMABLE LIMITS:**

N/A LEL: N/A UEL: N/A

**EXTINGUISHING MEDIA:**

Use dry chemical or CO2 base fire extinguishers to fight surrounding fire.

**SPECIAL FIRE FIGHTING PROCEDURES:**

Do not use water on acid itself. Apply from farthest possible distance.

**USUAL FIRE & EXPLOSION HAZARDS:**

Violent reaction with water. Evolution of explosive Hydrogen Gas on contact with most metals, will react with organic material with evolution of heat and dense white fumes.

**FIRE FIGHTING/PERSONAL PROTECTION:**

Wear self-contained breathing apparatus and full protective clothing.

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**HAZARDOUS REACTIVITY DATA**

**STABILITY:**

Stable

**CONDITIONS TO AVOID:**

**DO NOT USE WITH, BEFORE OR AFTER  
OTHER DRAIN LINE OPENERS OR  
CHEMICALS- PRIOR KNOWLEDGE  
OF DRAIN PIPE CONTENTS CRITICAL!!**

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**INCOMPATIBILITY:**

Material is stable when properly handled. Highly reactive with materials such as Metal Oxides, Hydroxides, Nitrates, Amines, Carbonates and other alkaline materials. Reactions can generate a great deal of heat as does the dilution of acid with water. Concentrated acid is a strong oxidizing agent. May cause ignition of combustible materials on contact with generation of Sulfur Dioxide fumes. Avoid open flames or sparks.

**POLYMERIZATION:**

DOES NOT OCCUR.

**HAZARDOUS DECOMPOSITION:**

Explosive hydrogen gas is generated by the action of acid on most metals.

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## HEALTH HAZARD DATA

<u>ROUTES OF ENTRY:</u>	Inhalation, ingestion, direct contact
<u>HEALTH HAZARDS:</u>	Chronic (delayed) health hazard, and Acute (immediate) health hazard.
<u>CARCINOGENICITY:</u>	N/A
<u>NTP:</u>	N/A
<u>IARC MONOGRAPH:</u>	N/A
<u>OSHA REGULATED:</u>	YES
<u>SIGN AND SYMPTOMS OF EXPOSURE:</u>	Severe eye and skin burns, inflammation to mucous membranes of respiratory tract.

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## EMERGENCY AND FIRST AID PROCEDURE

<u>EYES:</u>	Flush immediately with water for at least 15 minutes. Forcibly hold eyelids apart to ensure complete irrigation of eye/lid tissue. <b>GET IMMEDIATE MEDICAL ATTENTION.</b>
<u>SKIN:</u>	Wipe off excess. Flush immediately with water for at least 15 minutes while removing contaminated clothing.
<u>INGESTION:</u>	Drink copious amounts of water or milk. Do <u>not</u> induce vomiting. <b>GET IMMEDIATE MEDICAL ATTENTION.</b>

## EFFECTS OF OVER EXPOSURE/MEDICAL CONDITIONS AGGRAVATED:

Contact with liquid, mist or vapor can cause immediate irritation or corrosive burns to all human tissue. Severity of burn is generally determined by the duration of exposure. Contact with eyes may result in permanent visual loss unless removed quickly by thorough irrigation with water. Swallowing may be fatal. Inhalation of concentrated vapor or mist may damage respiratory tract. Repeated skin contact with dilute solutions may cause dermatitis.  
May cause dental erosion.

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## PRECAUTIONS FOR SAFE HANDLING AND USE

### SPILL OR LEAK CONTROL:

Utilize full protective clothing, including boots and protective equipment. Contain spill in order to prevent contamination of sewage system or waterway.

Pump into marked containers for reclamation or disposal. If possible neutralize on a dry basis with water in accordance with applicable regulations.

### WASTE DISPOSAL METHOD:

Dispose of spilled, neutralized, or waste product, contaminated soil and other materials in accordance with all local, state and federal regulations.

### STORAGE AND HANDLING PRECAUTIONS:

Store in cool, dry, well ventilated place. Store away from all other chemicals and potential sources of contamination.

Keep container tightly closed when not in use.

Do not use pressure to empty container.

Wash thoroughly after handling.

### OTHER PRECAUTIONS:

**DO NOT USE BEFORE, AFTER OR WITH ANY OTHER DRAIN LINE OPENER OR**

### **CHEMICAL.**

**KEEP AWAY FROM CHILDREN, SPECIFY AUTHORIZED USER.**

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## CONTROL MEASURES

### RESPIRATORY PROTECTION:

In adequate ventilation area use self-contained breathing apparatus.

### VENTILATION:

Windows - Fans

### PROTECTIVE GLOVES:

Rubber

### EYE PROTECTION:

Faceshield and/or Safety Glasses

### OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

Rubber footwear and protective clothing (acid resistant hood and full body suit recommended).

### WORK/HYGIENIC PRACTICES:

Safety Shower - No contact lenses - Eyewash fountains

### \*\*\*\*\*IMPORTANT\*\*\*\*\*

**This information is based on available scientific evidence known to Amazing Products, Inc. It is solely for compliance with OSHA's Hazard and Communication Standard. This information is furnished without warranty, expressed or implied.**

## Disposal Procedures for *LIQUID FIRE*

In the event of accidental spillage/leakage of Liquid Fire drain line opener, please review the following procedures for product clean-up. In addition, please be advised that the product contains sulfuric acid which causes severe burns. It is corrosive to eyes and skin and harmful or fatal if swallowed. (SEE Product label for further information)

Make certain there is adequate ventilation in the area and do not allow anyone to breathe any fumes.

1. Wear chemical faceshield/goggles, rubber gloves, and protective clothing when initiating and during clean-up.
2. Isolate leaker/leakers or damaged containers into individual polyethylene bags to prevent further spillage/leaking.
3. Wash-down spills with large amounts of water to a free flowing drain.
4. Remaining product in containers may be disposed of per the following:
  - a) Maximum disposal quantity is 32 ounces of liquid drain opener to 5 gallons of water. (example- Gallon container has 128 ounces which equals four (4) 32 ounces.)
  - b) Obtain a 20 gallon minimum capacity heavy wall plastic garbage pail and fill with water to appropriate level.
  - c) Carefully remove cap and slowly pour drain opener into the water filled plastic pail. Be careful to avoid possible splattering. Do not breathe fumes. Do this procedure in a well ventilated area.
  - d) Liquid contents of pail may now be poured down only a free flowing floor drain. (Minimum of 2 inch, installed by licensed plumbers and approved state codes.) Rinse pail thoroughly with water.
  - e) Wash container, cap, rags, etc. with large amounts of water before disposal.

Emergency number:

INFOTRAC 800-535-5053