

MATERIAL SAFETY DATA SHEET

SECTION I - IDENTITY AND MANUFACTURER'S INFORMATION

Manufactured by: **CI, Inc.** Product Name: **Breakthrough Drain Opener**
10800 Baur Blvd. FORMULA NO: **1006**
St. Louis, MO 63132
PHONE: (314) 872-9333 EMERGENCY TELEPHONE: (800) 535-5053

HMIS RATING: HEALTH: 3 REACTIVITY: 2
FIRE: 0 EQUIPMENT: C
DOT HAZARD CLASS: Sulfuric Acid, 8 UN 1830, PGI1

SECTION II - HAZARDOUS INGREDIENT INFORMATION

	CAS No.	OSHA PEL	ACGIH TLV
Sulfuric Acid	7664-93-9	1 mg/m3	0.2 ppm *
Water, dye		N/A	N/A

* - Threshold limit value is mist only

Note- No materials listed are subject to SARA Title III reporting

SECTION III - PHYSICAL PROPERTIES

BOILING RANGE: 550 F
SPECIFIC GRAVITY (H₂O = 1): 1.84
VAPOR PRESSURE (mm Hg): 1.0 @ 300 F
VAPOR DENSITY (AIR = 1): None
SOLUBILITY IN H₂O: Complete
EVAPORATION RATE (WATER = 1): > 1.0
REACTIVITY IN WATER: Mixes violently with water with generation of heat
pH: <1
APPEARANCE AND ODOR: Red to amber liquid with no odor

SECTION IV - FIRE AND EXPLOSION DATA

FLAMMABILITY LIMITS (% IN AIR): N.A.
FLASH POINT (CC): N.A.
FLAMMABILITY CLASSIFICATION: N.A.
RECOMMENDED EXTINGUISHING MEDIA: Dry Chemical or CO₂
SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should be equipped with protective gear including self-contained breathing apparatus
UNUSUAL FIRE/EXPLOSION HAZARDS: Product will react violently with water

SECTION V - HEALTH INFORMATION

EFFECTS OF OVEREXPOSURE:
EYE CONTACT: Corrosive to eyes on contact, including corneal damage or blindness
SKIN CONTACT: Corrosive to skin on contact, including inflammation and blistering
INGESTION: Will cause abdominal pain, nausea, vomiting, destruction of tissue in the gastrointestinal tract
INHALATION: Spray mist may cause irritation, burning, destruction of tissue
Symptoms may include coughing, choking, pain, or shortness of breath. Severe overexposure may lead to fatal lung damage.

SECTION V - HEALTH INFORMATION (cont'd)

EMERGENCY FIRST AID PROCEDURES:

EYE CONTACT: Immediately flush with cool running water for at least 15 minutes. Remove contact lenses while continuing to flush. Get medical attention
INGESTION: Call Physician or Poison Control immediately. Give lots of water to drink. DO NOT INDUCE VOMITING. Never give anything by mouth to an unconscious person
SKIN CONTACT: Immediately flush with water for 15 minutes. Remove clothing and wash before reuse
INHALATION: Remove to fresh air. If breathing is difficult get medical help

HEALTH HAZARDS:

- 1) ACUTE - Causes burns/irritation to eye, skin and respiratory tract
- 2) CHRONIC - Prolonged exposure to spray mist may produce respiratory irritation leading to frequent attacks of bronchial infection

National Toxicological Program: YES NO
I.A.R.C. Monographs: YES NO
OSHA: YES NO

SECTION VI - REACTIVITY DATA

STABILITY: Stable under normal conditions
INCOMPATIBILITY WITH OTHER MATERIALS: Contact with metals, strong oxidizers, strong alkalis may cause high energy release
HAZARDOUS DECOMPOSITION PRODUCTS: Hydrogen gas on contact with some metals
HAZARDOUS POLYMERIZATION: Will not occur
CONDITIONS TO AVOID: See incompatibility statement

SECTION VII - SPILL OR LEAK PROCEDURES

PROCEDURES IF MATERIAL IS SPILLED OR RELEASED:

Use proper protective equipment. Dike or dam large spills. Absorb spill on inert absorbant material. Pick-up and place in clean DOT specified container for disposal. Rinse area with water.

WASTE DISPOSAL PROCEDURES:

Dispose of in accordance with local, state and federal pollution regulations.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: NIOSH/MSHA approved respirator to prevent breathing spray mists
VENTILATION: Local exhaust recommended
PROTECTIVE GLOVES: Latex, rubber or neoprene
EYE PROTECTION: Safety glasses or splash goggles
OTHER PROTECTIVE EQUIPMENT: Rubber apron, boots as well as an eye wash station is strongly recommended

SECTION IX - ADDITIONAL PRECAUTIONS

PRECAUTIONS IN HANDLING AND STORAGE AND OTHER PRECAUTIONS:

Practice good industrial hygiene in the handling of these products. Avoid spills and splashing of opened products. Store product in tightly closed original container. Store in a cool dry place. Provide adequate ventilation. KEEP OUT OF REACH OF CHILDREN.

ADDITIONAL INFORMATION

This information is believed to be accurate and represents the best information currently available to Purochem. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information.