

# MATERIAL SAFETY DATA SHEET

## SECTION I - IDENTITY AND MANUFACTURER'S INFORMATION

Manufactured by: **PuroChem Inc.**  
 1203 Ambassador Blvd.  
 St. Louis, MO 63132  
 PHONE: (314) 872-9333

Product Name: **DRAIN POWER**  
 SYNONYMS: SULFURIC ACID  
 CHEMICAL FAMILY: INORGANIC ACID CLEANER

EMERGENCY TELEPHONE: (800) 535-5053

**HMIS RATING:** HEALTH: 3 REACTIVITY: 2  
 FIRE: 0 SPECIAL: C

## SECTION II - PRODUCT COMPOSITION

INGREDIENT	%	CAS #	TLV
SULFURIC ACID	93.2%	7664-93-9	1mg/m <sup>3</sup>
WATER, DYE	BALANCE		

\* This product is subject to SARA Title III Reporting

DOT SHIPPING DESCRIPTION: Sulfuric acid, 8, UN 1830, PG II,  
 All Ingredients Are Listed, Corrosive Material

## SECTION III - PHYSICAL PROPERTIES

BOILING RANGE: 550°F  
 SPECIFIC GRAVITY (H<sub>2</sub>O=1): 1.84  
 VAPOR PRESSURE (mm of Hg): 1.0 @ 300F  
 VAPOR DENSITY (AIR = 1): NONE  
 SOLUBILITY IN H<sub>2</sub>O: COMPLETE  
 EVAPORATION RATE (=1): SLOW  
 % VOLATILE: 0  
 REACTIVITY IN WATER: Mixes violently with water with generation of heat  
 PH(CONCENTRATE): < 1  
 APPEARANCE AND ODOR: RED TO AMBER LIQUID WITH NO ODOR

## SECTION IV - FIRE AND EXPLOSION DATA

FLAMMABILITY LIMITS (% IN AIR): LEL N/A UEL N/A  
 FLASH POINT (c.c.): NONE (TCC)  
 FLAMMABILITY CLASSIFICATION: N/A  
 RECOMMENDED EXTINGUISHING MEDIA: Noncombustible.  
 SPECIAL FIRE FIGHTING PROCEDURES: Encapsulated suit with SCBA or supplied air.  
 UNUSUAL FIRE/EXPLOSION HAZARDS: May react violently with water.

## SECTION V - HEALTH INFORMATION

THRESHOLD LIMIT VALUE (PPM): 0.2 (MIST ONLY) OSHA PEL: 1mg/m<sup>3</sup>  
 ACUTE EFFECTS OF OVEREXPOSURE: Corrosive to skin and eyes on contact. Eye contact can produce corneal damage or blindness. Skin contact can produce inflammation, reddening, and blistering. Inhalation of spray mist or vapors may produce irritation, burning, or destruction of tissues in the respiratory tract, characterized by coughing choking, pain, or shortness of breath. Severe overexposure may lead to fatal lung damage. Ingestion can cause abdominal pain, nausea, vomiting, and collapse, along with tissue destruction in the gastrointestinal tract.  
 CHRONIC EFFECTS OF OVEREXPOSURE: Untreated or prolonged contact with spray mist may produce chronic eye irritation and severe skin irritation. Repeated or prolonged exposure to spray mist may produce respiratory tract irritation leading to frequent attacks of bronchial infection. None of the hazardous ingredients are listed as carcinogens by IARC, NTP, & OSHA.

## SECTION V - HEALTH INFORMATION (cont'd.)

### EMERGENCY FIRST AID PROCEDURES:

**EYE CONTACT:** Flush eyes with cool running water for 30 minutes occasionally lifting upper and lower lids. Get **IMMEDIATE MEDICAL ATTENTION**

**SKIN CONTACT:** Remove contaminated clothing and shoes. Wash exposed areas thoroughly with soap and water. Get medical attention.

**INHALATION:** Remove to fresh air. If breathing has stopped give artificial respiration. Get **IMMEDIATE MEDICAL ATTENTION**

**INGESTION: DO NOT INDUCE VOMITING.** If victim is conscious give plenty of water to drink. Get **IMMEDIATE MEDICAL ATTENTION**

Route(s) of Entry: Inhalation? X Skin? X Ingestion? X

Health Hazards

- Acute - Causes chemical burns
- Chronic - Information on chronic health hazard not currently available.

### Chemical Listed as Carcinogen or Potential Carcinogen:

National Toxicology Program:  YES  NO

I.A.R.C. Monographs:  YES  NO

OSHA:  YES  NO

**Signs and Symptoms of Exposure:** Irritation, burning of skin, mucous membranes and respiratory system.

## SECTION VI - REACTIVITY DATA

STABILITY: Stable  
 CONDITIONS TO AVOID: Extreme heat  
 INCOMPATIBILITY (AVOID): Strong alkalis, oxidizers, and active metals.  
 HAZARDOUS DECOMPOSITION: HYDROGEN GAS FROM REACTION WITH STEEL OR ACTIVE METALS: SULFUR DIOXIDE AND SULFUR TRIOXIDE.  
 HAZARDOUS POLYMERIZATION: Will not occur

## SECTION VII - SPILL OR LEAK PROCEDURES

PROCEDURES IF MATERIAL IS SPILLED OR RELEASED: Observe safety precautions in section 9 & 10 during clean-up. Use protective equipment to avoid contact with skin or eyes. Absorb spill on an inert absorbent material; pick up and place in a clean D.O.T. specification container for disposal. Wash area thoroughly with a detergent solution and then rinse well with water.

WASTE DISPOSAL PROCEDURES: Dispose of in accordance with existing local, state or Federal regulations.

## SECTION VIII - SPECIAL PROTECTION INFORMATION

**RESPIRATORY PROTECTION:** If ventilation is inadequate, wear a properly fitting MSHA or OSHA-approved respirator.

**VENTILATION:** If vapors are detected, ventilate work area by opening windows and using exhaust fans.

**PROTECTIVE CLOTHING:** Wear rubber or neoprene gloves and a face shield when using. A rubber apron and boots are strongly recommended.

**EYE PROTECTION:** Wear splash-proof safety goggles especially if contact lenses are worn.

## SECTION IX - ADDITIONAL PRECAUTIONS

**PRECAUTIONS IN HANDLING AND STORAGE AND OTHER PRECAUTIONS:** Store tightly closed container in a dry area at temps. between 40-120 degrees F. Store away from highly alkaline products and oxidizing compounds. Keep product away from skin and eyes. Do not breathe spray mists or vapors. Keep away from food and food products. Clothing or shoes which become contaminated with substance should be removed promptly and not reworn until thoroughly cleaned. **KEEP OUT OF REACH OF CHILDREN.**

### \*\* ADDITIONAL INFORMATION \*\*

This information is believed to be accurate and represents the best information currently available to us. 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 for particular purposes.

Prepared by: TECHNICAL DEPARTMENT

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