

MATERIAL SAFETY DATA SHEET

#6614

SECTION 1 - IDENTITY AND MANUFACTURER'S INFORMATION

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

Product Name: **DRAIN FREE**
 SYNONYMS: N/A
 CHEMICAL FAMILY: ALKALINE CLEANER
 EMERGENCY TELEPHONE: (800) 535-5053

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

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	%	CAS	TLV
*POTASSIUM HYDROXIDE	>10.00%	1310-58-3	10ppm
*SODIUM HYDROXIDE	>50.00%	1310-73-2	10ppm

* This product is subject to SARA Title III Reporting

DOT SHIPPING DESCRIPTION: 12x1 QUARTS
 CONSUMER COMMODITY - ORM-D

SECTION III - PHYSICAL PROPERTIES

BOILING RANGE: 212°F
 SPECIFIC GRAVITY (H₂O=1): 1.50
 VAPOR PRESSURE (mm Hg): N/A
 VAPOR DENSITY (AIR = 1): <1.0
 SOLUBILITY IN H₂O: SOLUBLE
 EVAPORATION RATE: (ether=1) >1.0
 REACTIVITY IN WATER: NONE
 PH: >14.00
 APPEARANCE AND ODOR: RED LIQUID WITH NO ODOR

SECTION IV - FIRE AND EXPLOSION DATA

FLAMMABILITY LIMITS (% IN AIR): N/A
 FLASH POINT (c.c.): N/A
 FLAMMABILITY CLASSIFICATION: INSIGNIFICANT
 RECOMMENDED EXTINGUISHING MEDIA: WATER, FOAM, CARBON DIOXIDE, DRY CHEMICAL.
 SPECIAL FIRE FIGHTING PROCEDURES: COOL DRUMS IN VICINITY OF FIRE WITH WATER FOG. FIRE FIGHTERS SHOULD WEAR FULL PROTECTIVE GEAR INCLUDING SELF-CONTAINED BREATHING APPARATUS..
 UNUSUAL FIRE/EXPLOSION HAZARDS: NONE

SECTION V - HEALTH INFORMATION

THRESHOLD LIMIT VALUE: NOT ESTABLISHED
 PRIMARY ROUTE(S) OF EXPOSURE: EYE AND SKIN CONTACT, INGESTION
 EFFECTS OF OVEREXPOSURE: EYES: SEVERE DESTRUCTION OF TISSUE, POSSIBLY RESULTING IN BLINDNESS. SKIN: SEVERE IRRITATION, BURNS, AND ULCERATIONS. INGESTION: SEVERE BURNS, DESTRUCTION OF TISSUE, DANGER-MAY BE FATAL IF SWALLOWED.

SECTION V - HEALTH INFORMATION (cont'd)

EMERGENCY FIRST AID PROCEDURES:

EYE CONTACT: Immediately flush with cool running water for at least 30 minutes. OBTAIN MEDICAL ATTENTION.

SKIN CONTACT: Immediately flush skin with running water for at least 30 minutes. OBTAIN MEDICAL ATTENTION

INHALATION: Immediately move victim to fresh air. Give artificial respiration if not breathing. SEEK MEDICAL ATTENTION.

INGESTION: DO NOT INDUCE VOMITING. If conscious, give large amounts of water or milk. CONTACT A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY. Never give anything by mouth to an unconscious person.

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

Health Hazards

1.) Acute - Causes chemical burns

2.) Chronic - Information on chronic health hazard not currently available.

Chemical Listed as Carcinogen or Potential Carcinogen:

National Toxicology Program: YES X NO

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

OSHA: YES X NO

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

SECTION VI - REACTIVITY DATA

STABILITY: STABLE
 CONDITIONS TO AVOID: None
 INCOMPATIBILITY WITH OTHER MATERIALS: Acids, combustible materials, and metals such as aluminum, tin, galvanized zinc, brass and bronze. Also avoid many organic chemicals, especially nitrocarbons, leather and wool, and organic acids and their anhydrides. This product may react with various sugars to form hazardous carbon monoxide.
 HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may produce a wide variety of toxic gasses.
 HAZARDOUS POLYMERIZATION: Will not occur.

SECTION VII - SPILL OR LEAK PROCEDURES

PROCEDURES IF MATERIAL IS SPILLED OR RELEASED: ALWAYS WEAR PROTECTIVE CLOTHING WHEN CONTROLLING A SPILL SITUATION, ESPECIALLY EYE PROTECTION. Contain spilled product and neutralize with a diluted acid. Neutralized product can be disposed of in sewer, or in accordance with existing Local, State and Federal ordinances.
 WASTE DISPOSAL PROCEDURES: Dispose of in accordance with existing Local, State and Federal pollution regulations. Unused material is considered a hazardous waste D002 by RCRA criteria.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: None required in normal use.
 VENTILATION: Local exhaust sufficient, mechanical exhaust not required.
 PROTECTIVE GLOVES: Rubber or neoprene gloves.
 EYE PROTECTION: Approved Chemical Goggles or Full Face Shield.
 OTHER PROTECTIVE EQUIPMENT: Impervious clothing to prevent contact.

SECTION IX - ADDITIONAL PRECAUTIONS

PRECAUTIONS IN HANDLING AND STORAGE AND OTHER PRECAUTIONS: Practice common sense in the handling of these products. Avoid spills and splashing of opened products. Store product in tightly closed original container. Store in 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 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.