

MATERIAL SAFETY DATA SHEET
Emergency #: 1-800-535-5053
Information #: (402) 379-0100

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Latest Revision Date: 7/27/98

HEAVY DUTY DRAIN CLEANER

SECTION: 1

PRODUCT IDENTIFICATION

PRODUCT NAME OR NUMBER: CRC-701

TRADE NAME: HEAVY DUTY DRAIN CLEANER

SYNONYMS: NA

HMIS RATING (0: Minimal; 1: Slight; 2: Moderate; 3: Serious; 4: Extreme): Health: 3; Fire: 0, Reactivity: 2, Personal Protective Equipment: D

SECTION: 2

HAZARDOUS INGREDIENTS/HAZARD DATA

CHEMICAL NAME(S)	CAS NUMBER	APPROX. % WT	OSHA PEL	ACGIH TLV	SEC 313
Sulfuric Acid 66° Baume	7664-93-9	93.2	1 mg/m ³	1mg/m ³	Yes

SECTION: 3

PHYSICAL DATA

BOILING/MELTING POINT @ 760mmHg: 278°C

pH: < 1

VAPOR PRESSURE: <1

VAPOR DENSITY: 3.4

PERCENT VOLATILE BY WEIGHT (%): NA

SPECIFIC GRAVITY OR BULK DENSITY: 1.85

SOLUBILITY IN WATER: Complete

EVAPORATION RATE (BuAc = 1): <1

APPEARANCE and ODOR: Semi thick, colorless liquid and no odor

SECTION 4

FIRE AND EXPLOSION DATA

FLASH POINT: Does not exhibit a flash point

FLAMMABILITY LIMITS IN AIR (% V): NA

EXTINGUISHING MEDIA: Dry chemical or CO₂

SPECIAL FIRE FIGHTING PROCEDURES: Stay upwind if product is involved in a fire. Wear full protective clothing. Use water spray to cool containers exposed to fire. Water mixed with product evolves heat and may cause splattering.

UNUSUAL FIRE & EXPLOSION HAZARDS: Contact with organic materials can cause spontaneous ignition. Contact with metals can evolve hydrogen, a poisonous gas.

SECTION 5

REACTIVITY DATA

PRODUCT STABILITY: Stable

Conditions To Avoid: Extreme heat

CHEMICAL INCOMPATIBILITY: Sulfuric acid is highly reactive and capable of igniting finely divided combustible materials on contact. Reacts violently with water and organic materials with the evolution of heat. Extremely hazardous in contact with many materials, particularly carbides, chlorates, fulminated nitrates, powdered metals and other combustible materials. Attacks many metals releasing hydrogen gas.

HAZARDOUS DECOMPOSITION: Extreme temperatures may release sulfur dioxide.

HAZARDOUS POLYMERIZATION: Will not occur

SECTION 6

HEALTH HAZARD DATA * EFFECTS OF OVER EXPOSURE

ROUTES OF ENTRY: Inhalation, Skin, Ingestion

HEALTH HAZARDS: Causes chemical burns.

CHRONIC EFFECTS OF OVER EXPOSURE: Inhalation: Fumes or mists can cause irritation or burns to the upper respiratory tract and lungs, pulmonary edema can also occur. Ingestion: This material will burn the mouth, throat and stomach and cause death. Eyes: Contact will result in serious burns and may cause blindness.

Skin: Contact will result in serious burns. Chronic exposure to this product may result in erosion of the teeth, mouth inflammation, trachea bronchitis, conjunctivitis and skin lesions.

SIGNS AND SYMPTOMS OF EXPOSURE: Irritation, burning of skin, mucous membranes and respiratory system.

SECTION 7

EMERGENCY AND FIRST AID PROCEDURES

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

EYES: Flush eyes with cool, running water for 30 minutes while calling for IMMEDIATE MEDICAL ATTENTION.

INGESTION: DO NOT induce vomiting. Give lots of milk or egg whites and water to dilute. Get IMMEDIATE MEDICAL ATTENTION.

INHALATION: Move to fresh air. If breathing has stopped, administer artificial respiration. Get IMMEDIATE MEDICAL ATTENTION.

SECTION 8

SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: None required in normal use, though a NIOSH approved respirator is recommended.

VENTILATION: Local exhaust sufficient, mechanical exhaust not required.

PROTECTIVE CLOTHING: Rubber apron and shoes are recommended.

EYE PROTECTION: Chemical goggles or full face shield

PROTECTIVE GLOVES: Rubber gloves

WORK/HYGIENIC PRACTICES: Do not eat, drink, or smoke in work area.

SECTION 9

ENVIRONMENTAL DATA

SPILL OR LEAK PROCEDURES: Use protective equipment to avoid contact with skin or eyes. Neutralize spill with soda ash. Flush area with water using care. Unneutralized acid evolves heat when mixed with water.

WASTE DISPOSAL METHOD: Dispose of in accordance with existing Federal, State or Local regulations.

PRECAUTIONS IN HANDLING: Practice common sense in handling this product. Avoid spills and splashing of opened products. Store in original, tightly closed container. Store in cool, dry place. Provide adequate ventilation. Keep out of the reach of children. Read all labels for directions and precautions.

NA = Not Applicable <= Less than >= Greater than