



# MATERIAL SAFETY DATA SHEET

PRODUCT NAME: GROUT DOCTOR ACID CLEANER

## SECTION 1: PRODUCT INFORMATION

Distributed By: Hydro-Force, 542 West Confluence Ave, Salt Lake City, Utah 84123  
Company Phone Number: 801-268-2673  
Emergency Phone Number: 1-800-535-5053 (Infotrac)  
Date Prepared:02/01/2011

Hazard Rating (Zero=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme)  
Fire: 0 Health: 2 Reactivity: 0

## SECTION 2: INGREDIENTS

<u>PRINCIPLE HAZARDOUS INGREDIENTS :</u>	<u>Oral LD</u>	<u>Dermal LD</u>	<u>TLV</u>	<u>%</u>
Urea Monohydrochloride (CAS# 506-89-8)	N/E	N/E	N/E	>10%
Glycol Ether DPNB (CAS# 29911-28-2)	N/E	N/E	N/E	<2%

## SECTION 3: PHYSICAL DATA

Boiling Point (°F).....212	Specific Gravity(H <sub>2</sub> O=1).....(1.1)
Vapor Pressure (mmHg.).....N/E	Percent Volatile by Volume...N/E
Vapor Density (AIR=1).....N/E	PH (1% Solution).....(1.0)
Solubility in Water.....Complete	

Appearance & Odor.....Clear amber liquid with acid odor

## SECTION 4: FIRE, EXPLOSION & REACTIVITY DATA

**Flash Point:** Non Flammable

**Extinguishing Media:** Water Spray, carbon dioxide, dry chemical

**Special Fire Fighting Procedures:** Wear self contained breathing apparatus & full body protection

**Unusual Fire and Explosion Hazards:** At temperatures above 140oF acid action on most metals may release hydrogen, a highly flammable and explosive gas

**Stability:** Considered stable up to 230oF

<b>Chemical Incompatibility:</b>	Incompatible with oxidizing agents. May be extremely hazardous in contact with chlorates or nitrates. Contact with hypochlorites will liberate toxic gases. Contact with ammonia will generate heat
<b>Hazardous Decomposition or Byproducts:</b>	Thermal decomposition may yield oxides of carbon, nitrogen and chlorine. Hydrogen gas may be released upon contact with certain metals
<b>Hazardous Polymerization:</b>	Will not occur
<b>Conditions to Avoid:</b>	Heating above 230oF results in exothermic decomposition with rapid release of carbon dioxide gas

### **SECTION 5: HEALTH HAZARD INFORMATION**

Route(s) of entry	Eyes: Yes Skin: Yes Inhalation: Yes Ingestion: Yes
Health Hazards:	Eyes – <b>Causes burns to eyes</b> Skin – Prolonged or repeated contact can cause irritation Inhalation – Can be irritating to respiratory tract if inhaled as a mist or if the material is vaporized Ingestion – <b>May be harmful or fatal if ingested</b>

Carcinogenicity: NPT? No OSHA? N/E IARC Monograph? No

### **SECTION 6: EMERGENCY AND FIRST AID PROCEDURES**

Eyes.....	Immediately flush with water for 15 minutes. Get medical attention
Skin.....	Immediately flush with mild soap and water for 15 minutes. Get medical attention if irritation occurs.
Inhalation...	Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen and get medical attention.
Ingestion...	<b>Do not induce vomiting.</b> If conscious, give 3 to 4 glasses of water to dilute and get immediate medical attention.

### **SECTION 7: PRECAUTIONS FOR SAFE HANDLING AND USE**

Respiratory Protection...	Use NIOSH approved respirator if mists or vapors are created
Protective Clothing.....	Use impervious (rubber, nitrile) gloves and clothes that will prevent contact with skin.
Eye Protection.....	Use chemical goggles or full face shield
Ventilation.....	Mechanical assisted ventilation may be required
Storage.....	Do not store in temperatures above 120°F. Keep containers closed when not in use. Do not store in metal containers,

especially aluminum.

**SECTION 8: SPILL OR LEAK PROCEDURES AND WASTE DISPOSAL**

Evacuate and ventilate area. Absorb with chemical absorbent material and sweep up for disposal or contain and collect for reuse. Dike to keep from spreading. Prevent spills from entering sewers or waterways. All disposal must be in accordance with all federal, state and local regulations.

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N/A = Not Applicable N/D = Not Determined N/E = Not Established