MATERIAL SAFETY DATA SHEET

SECTION 1 -- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME	Concentrated Bathroom Cleaner

PRODUCT CODE	5854

ISSUE DATE	8-23-10

EMERGENCY TELEPHONE NUMBERS

DISTRIBUTOR	**Quality Chemical Company**	**Transportation: (800) 424-9300 ***
STREET ADDRESS	**110 Hamilton Ave.**	*** For spill, leak, fire or transport accident emergencies.**
CITY, STATE, ZIP	**Merchantville, NJ 08109**	**Product Information: (856) 662-1895**

SECTION 2 -- COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENT	CAS No.	% by wt.	EXPOSURE LIMITS OSHA PEL	ACGIH TLV	NIOSH REL
Citric acid	77-92-9	20	None	None	None
* Diethylene glycol monobutyl ether	112-34-5	4	NE	NE	NE

- **- Asterisked ingredients are those considered hazardous according to the criteria of 29CFR 1910.1200. Other ingredients are listed for informational purposes to assist emergency medical response personnel.**

SECTION 3 -- HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW	Causes severe eye damage. Can cause severe skin irritation. Harmful or fatal if swallowed. Vapors irritating to respiratory tract.

POTENTIAL HEALTH EFFECTS	
INGESTION	Corrosive and causes chemical burns to mouth, throat and stomach. May be fatal if swallowed.
INHALATION	Vapors or mist harmful or irritating if inhaled. Symptoms include a burning taste, sneezing, coughing and difficulty breathing.
EYE CONTACT	Severely corrosive to the eyes, and may permanent damage, including blindness.
SKIN CONTACT	Severely irritating to skin; can cause chemical burns.

SECTION 4 -- FIRST AID MEASURES

INGESTION	If swallowed, DO NOT induce vomiting. Immediately drink a large quantity of water. Never give anything by mouth to an unconscious person. **Get medical attention immediately.**
INHALATION	If exposed to excessive levels of vapors, remove to fresh air and get medical attention if cough or other symptoms develop. People with asthma or other lung problems may be more susceptible to injury.
EYE CONTACT	Immediately flush eye with plenty of cool, running water. Remove contact lenses if applicable, and continue flushing for at least 15 minutes, holding eyelids apart to ensure thorough rinsing of the entire eye. **Call a physician immediately.**
SKIN CONTACT	Immediately flush skin with plenty of cool running water for at least 15 minutes. Wash with soap and water. If irritation develops or persists, get medical attention. Remove contaminated clothing and shoes; wash before reuse.
NOTE TO PHYSICIAN	Information pertaining to ingestion toxicology, therapy, symptomatology and treatment can be found in Clinical Toxicology of Commercial Products, authored by Gosselin, Smith and Hodge and published by Williams & Wilkins, Baltimore, Maryland. See listing for Acid in Therapeutics Index, Section III.

SECTION 5 -- FIRE FIGHTING MEASURES

FLASH POINT / METHOD	Not determined	FLAMMABLE LIMITS	Not flammable
EXTINGUISHING MEDIA	If involved in a fire, foam, carbon dioxide, dry chemical or water fog.		
SPECIAL FIRE FIGHTING PROCEDURES	Fire fighters should wear positive pressure self-contained breathing apparatus and full protective clothing. Use water spray to keep fire-exposed containers cool; heat may build pressure and rupture closed containers, spreading fire.		
FIRE AND EXPLOSION HAZARDS	When mixed with air and exposed to ignition source, vapors can burn in open or explode if confined. Vapors may travel long distances along ground before igniting and flashing back to vapor source.		

SECTION 6 -- ACCIDENTAL RELEASE MEASURES

RESPONSE TO SPILLS	Small spills: Flush to sanitary sewer. Mop up residue and rinse area thoroughly with water. Large spills: Dike or dam spill. Pump to containers or soak up on inert absorbent. Kill all sources of ignition in spill area. Unused product as a waste is corrosive (D002) by RCRA criteria.

SECTION 7 -- HANDLING AND STORAGE

HANDLING PRECAUTIONS	Wash hands before eating. Keep container tightly closed when not in use. Handle empty containers carefully; combustible residue may remain after emptying.
STORAGE PRECAUTIONS	Store in a cool dry, well-ventilated place. Keep from freezing.

SECTION 8 -- EXPOSURE CONTROLS / PERSONAL PROTECTION

HYGIENIC PRACTICES	Observe label precautions; use personal protective equipment. Avoid breathing mists or vapors of this product; use foaming type sprayer.
ENGINEERING CONTROLS	Good general ventilation should be sufficient to control airborne levels. **Facilities using this product must be equipped with an eyewash station.**

PERSONAL PROTECTIVE EQUIPMENT

X	**RESPIRATOR**	If sprayed or exposure exceeds PEL, use NIOSH approved acid gas respirator
X	**GOGGLES / FACE SHIELD**	**Required;** goggles should be chemical splash type
	APRON	Not necessary
X	**GLOVES**	**Required;** PVC, Neoprene or Nitrile acceptable
	BOOTS	Not necessary

SECTION 9 -- PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Clear red liquid	BOILING POINT	~ 212 deg F
ODOR	Fresh fragrance	FREEZING POINT	Not established
pH	1.2 (100% concentrate)	VAPOR PRESSURE	Not established
SPECIFIC GRAVITY	1.175	VAPOR DENSITY	Not established
SOLUBILITY IN WATER	Complete	EVAPORATION RATE	Not determined

SECTION 10 -- STABILITY AND REACTIVITY

CHEMICAL STABILITY		**STABLE**	X		**UNSTABLE**	
CONDITIONS TO AVOID	Do not mix with anything but water. **Do not mix with bleach, chlorinated detergents or sanitizers – will cause hazardous vapors.**					
INCOMPATIBILITY	Can react violently with alkaline materials. Reacts with metals, oxidizing agents, cyanides and sulfides to form dangerous gases or highly reactive peroxides.					
HAZARDOUS PRODUCTS OF DECOMPOSITION	Incomplete combustion can generate poisonous carbon monoxide fumes and perhaps other toxic vapors.					
POLYMERIZATION		**WILL NOT OCCUR**	X		**MAY OCCUR**	
CONDITIONS TO AVOID	Not applicable					

SECTION 11 -- TOXICOLOGICAL INFORMATION

CARCINOGENICITY

	THIS PRODUCT CONTAINS A KNOWN OR SUSPECTED CARCINOGEN
X	**THIS PRODUCT DOES NOT CONTAIN ANY KNOWN OR ANTICIPATED CARCINOGENS ACCORDING TO THE CRITERIA OF THE NTP ANNUAL REPORT ON CARCINOGENS AND OSHA 29 CFR 1910, Z**

OTHER EFFECTS

ACUTE	Not determined
CHRONIC	Not determined

SECTION 12 -- ECOLOGICAL INFORMATION

BIODEGRADABILITY		**CONSIDERED BIODEGRADABLE**	X		**NOT BIODEGRADABLE**	
BOD / COD VALUE	Not established					
ECOTOXICITY	No data available					

SECTION 13 -- DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD	Product that cannot be used according to the label must be disposed of as a hazardous waste at an approved hazardous waste management facility. Empty containers may be triple rinse, then offered for recycling or reconditioning; or puncture and dispose of in a sanitary landfill.								
RCRA CLASSIFICATION	Hazardous, corrosive D002								
RECYCLE CONTAINER		**YES**	X		**CODE**	2 - HDPE		**NO**	

SECTION 14 -- TRANSPORT INFORMATION

DOT CLASSIFICATION		**HAZARDOUS**	X		**NOT HAZARDOUS**	
DESCRIPTION	PHOSPHORIC ACID, SOLUTION, 8, UN 1805, III					

SECTION 15 -- REGULATORY INFORMATION

REGULATORY STATUS

	EPA REGISTERED (UNDER FIFRA)	
	FDA REGULATED	
X	**KOSHER**	
X	**SARA TITLE III MATERIAL**	Phosphoric acid (Sec 304,313); Diprop.glycol methyl ether (Sec 313)
	USDA AUTHORIZED	

SECTION 16 -- OTHER INFORMATION

NFPA CLASSIFICATION

2	**BLUE**	HEALTH HAZARD
1	**RED**	FLAMMABILITY
1	**YELLOW**	REACTIVITY
--	**WHITE**	SPECIAL HAZARD

Information contained in this MSDS refers only to the specific material designated and does not relate to any process or use involving other materials. This information is based on data believed to be reliable, and the Product is intended to be used in a manner that is customary and reasonably foreseeable. Since actual use and handling are beyond our control, no warranty, express or implied, is made and no liability is assumed by QUALITY CHEMICAL COMPANY, in connection with the use of this information.