



## MATERIAL SAFETY DATA SHEET

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### 1. PRODUCT AND COMPANY IDENTIFICATION

FOR MEDICAL AND TRANSPORTATION EMERGENCIES  
 24 Hour INFOTRAC (US and CANADA): **800-535-5053**

**PRODUCT NAME**  
 UNITED 77 BIATRON®

**USE/DESCRIPTION**  
 Organic Digester and Liquid Drain Cleaner

**REVISION DATE**  
 February 8, 2013

#### HMIS III HEALTH (0 = Maximum Safety)

### 3

Always follow Label Directions and Cautions.

* Chronic	2 Moderate
4 Severe	1 Slight
3 Serious	0 Minimal

See Hazards Identification Section of this MSDS for more detailed information.

#### PHYSICAL HAZARD (0 = Maximum Safety)

### 2

Susceptible to Release of Energy.

4 May detonate-vacate area if materials are exposed to fire.	2 Violent chemical change possible-use hose stream from distance
3 Strong shock of heat may detonate-use monitors from behind explosion resistant barriers.	1 Unstable if heated-use precaution.
	0 Normally stable.

#### FLAMMABILITY (0 = Maximum Safety)

### 0

Susceptibility of Material to Burning.

4 Extremely flammable.	1 Must be preheated to burn.
3 Ignites at normal temperature.	0 Will not burn.
2 Ignites when moderately heated.	

**PERSONAL PROTECTION: p, n, o**



### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS#	%Range	ACGIH (TLV-TWA)	OSHA (PEL-TWA)	LD50 (Species/Route)	LC50 (Species)
Sulfuric acid	7664-93-9	60-100	1 mg/m3	1 mg/m3	2140 mg/kg (rat/oral)	347 ppm 1 hr/rat

### 3. HAZARDS IDENTIFICATION

**Eyes:** Very corrosive. Causes severe burns and blindness. Do not wear contact lenses.

**Skin:** Very corrosive. Causes severe and painful burns.

**Inhalation:** May cause headache, drowsiness, and central nervous system depression. Mist causes severe irritation of nose, throat and lungs.

**Ingestion:** Very corrosive. Causes severe burns to mouth, throat, and stomach. Harmful or fatal.

### 4. FIRST AID MEASURES

**Eyes:** Flood with cool water for at least 15 minutes and get medical attention immediately. DO NOT wear contact lenses.

**Skin:** Flood with cool water for several minutes until all the product is washed away. Then cover area with moistened sodium bicarbonate. Seek medical attention immediately.

**Inhalation:** Remove patient to fresh air immediately. If patient is not breathing, apply artificial respiration. Seek medical attention immediately.

**Ingestion:** DO NOT induce vomiting. If conscious, immediately drink large amounts of water to reduce the concentration. Give milk of magnesia or whites of eggs beaten into water. Avoid carbonates or sulfates. Get medical attention immediately.

### 5. FIRE FIGHTING MEASURES

**Flash Point (TCC):** None

**Explosive Limits:** Lower (LEL): NA Upper (UEL): NA

**Flame Projection (Aerosol):** NA

**Hazardous Products of Combustion:** When strongly heated, as in a fire, this product may produce oxides of sulfur and carbon.

**Fire and Explosion Hazards:** This product reacts violently with generation of great heat, when water is added. Temperatures may exceed 240F and may boil and splatter the mixture. May react with metals to release hydrogen gas.

**Extinguishing Media:** Use media appropriate for surrounding material. Use water spray to cool containers exposed to fire. Do not get water inside containers.

**Fire Fighting Instructions:** Avoid spraying water onto leaking containers. Water applied directly to sulfuric acid causes evolution of heat and splattering. Firefighters should wear full protective equipment and NIOSH approved self-contained breathing apparatus. Stay upwind if product is involved in a fire.

## 6. ACCIDENTAL RELEASE MEASURES

**Small Spills:** Wear protective equipment and clothing before entering area. Ventilate area. Avoid contact with skin and eyes. Neutralize spill with soda ash. Flush area with water using care. Unneutralized acid will generate heat when mixed with water.

**Large Spills:** Same as above.

## 7. HANDLING AND STORAGE

Store in a secure area out of reach of children and unauthorized persons. Keep containers tightly closed when not in use. Do not store near incompatible materials, such as strong alkalis or flammables. Store product in a well-ventilated area. Do not add water to concentrate. Wear appropriate personal protective equipment. Do not breathe sprays or mists. Do not get in eyes, on skin or on clothing. Do not ingest. Deactivating chemicals: Lime, limestone, sodium carbonate, sodium bicarbonate, diluted sodium hydroxide, dilute aqua ammonia.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Eyes:** Safety goggles and Face Shield are recommended.

**Skin:** Chemical resistant gloves are recommended.

**Respiratory:** To avoid breathing fumes, use NIOSH-approved respirator.

**Engineering Controls:** Mechanical ventilation recommended when handling in enclosed/tight spaces.

**Other Protective Equipment:** Coveralls, boots and or other acid resistant protective clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Boiling Point:** 535F/279C    **Specific Gravity:** 1.835 (H<sub>2</sub>O=1)    **Vapor Pressure:** 1.7 mmHg    **Melting Point:** -31F/35C

**Vapor Density:** >1 (air=1)    **Evaporation Rate:** <1 (BA=1)    **Solubility in Water:** Complete    **pH:** 1

**Appearance and Odor:** Slightly viscous, clear, tan colored liquid with no scent

## 10. STABILITY AND REACTIVITY

**Hazardous Polymerization:** Will not occur.

**Hazardous Decomposition:** When strongly heated, as in a fire, this product may produce toxic gases and vapors (sulfur dioxide, sulfuric acid vapors and sulfur trioxide) may be released when sulfuric acid decomposes.

**Chemical Stability:** Stable under normal conditions, but reacts violently with water and organic materials with evolution of heat. Under fire conditions, decomposes to form sulfur oxides.

**Incompatibility:** Do not mix this product with other cleaning chemicals, especially bases or oxidizers such as bleach.

## 11. TOXICOLOGICAL INFORMATION

**Carcinogenicity (NTP/IARC/OSHA):** None

**California Proposition 65:** Does this product contain chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm? No

## 12. ECOLOGICAL INFORMATION

ND

## 13. DISPOSAL CONSIDERATIONS

Consult your local, state and federal regulations for proper disposal guidelines. Disposal regulations may be different for each state and/or locality.

## 14. TRANSPORT INFORMATION

**DOT- Land:** UN 1830, Sulfuric Acid, 8, PG II

**TDG - Land:** UN 1830, Sulphuric Acid, 8, PG II

**UN:** Available upon request.

## 15. REGULATORY INFORMATION

**VOC Volatile Organic Compounds):** None

**TSCA (Toxic Substances Control Act):** Listed

**SARA Title III Section 302 EHS:** Extremely hazardous substance.

**SARA Title III Section 311/312:** Immediate health, delayed health and physical hazard.

**SARA Title III Section 313 Toxic Chemicals:** Sulfuric acid CAS# 7664-93-9

**WHMIS Classification:** E, D1A

This product has been classified in accordance with the hazard criteria of the CPR (Controlled Products Regulations/ WHMIS) and the MSDS contains all the information required by the CPR.

## 16. OTHER INFORMATION

Read and follow all label directions and precautions before using this product. These products are intended for industrial and institutional use only. NOT FOR HOUSEHOLD USE OR RESALE. KEEP OUT OF REACH OF CHILDREN.

UNITED 77 BIATRON®

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