

**MATERIAL SAFETY DATA SHEET**

**U. S. DEPARTMENT OF LABOR**

May be used to comply with OSHA's Hazard Communication Standard 29 CFR 1910.1200. Standard must be consulted for specific requirements.

Occupational Safety and Health Administration  
(Non-Mandatory Form)

**NFPA HAZARDS RATING**

- 4 - EXTREME
- 3 - HIGH
- 2 - MODERATE
- 1 - SLIGHT
- 0 - INSIGNIFICANT

CHELTEC, INC.  
2215 INDUSTRIAL BLVD.  
SARASOTA, FLORIDA 34234  
(941) 355-1045

FIRE  
0

TOXICITY 0

1 REACTIVE

SPECIAL

**MATERIAL SAFETY DATA SHEET**

Product Identity: **CT-301**      Emergency Telephone Number: **1-800-255-3924 (CHEM-TEL)**  
International: **011-813-248-0585**

Date Prepared: January 1, 2007

**SECTION I - Hazardous Ingredients Identity Information**

50% NON-CAUSTIC derivative of sulphur-based acidic compound (proprietary formula). Non-caustic to human and animal tissue. Corrosive to some metals and fabrics.

**SECTION II - Physical and Chemical Characteristics**

Product:	A NON CAUSTIC SULPHUR BASE ACIDIC SOLUTION		
Boiling Point:	214 degrees F	Specific Gravity:	1.35
Vapor Pressure (MM Hgt):	1.00 degrees F	Melting Point:	N/A
Vapor Density (Air=1):	1.00	Evaporation Rate:	N/A
Solubility In Water:	VERY SOLUBLE	Appearance and Odor:	CLEAR LIQUID; ODORLESS
pH*:	0.2 - 1.5 * NON-CAUSTIC TO HUMAN AND ANIMAL TISSUE		

**SECTION III - Fire and Explosion Hazard Data**

Flash Point: NONE      Flammable Limits: NONE

**SECTION IV - Reactivity Data**

Stability: STABLE.  
Incompatibility: HIGH pH SOLUTIONS, STRONG BASES. CORROSIVE TO SOME METALS AND FABRICS.  
(Materials to Avoid)

Hazardous Decomposition Of By-products: SULPHURIC ACID FUMES MAY BE GENERATED BY THERMAL DECOMPOSITION.

Hazardous Polymerization: WILL NOT OCCUR.

### **SECTION V - Health Hazard Data**

Health Hazards: AVOID CONTACT WITH EYES - IRREVERSIBLE EYE DAMAGE MAY RESULT. AVOID PROLONGED CONTACT WITH SKIN. MAY CAUSE SKIN IRRITATION. SULPHUR (Acute and Chronic) ALLERGIES MAY OCCUR.

Signs and Symptoms of Exposure: ALLERGIES MAY OCCUR. SKIN IRRITATION MAY OCCUR. AVOID PROLONGED BODY CONTACT (ALWAYS USE PROTECTIVE CLOTHING).

Medical Conditions Generally Aggravated by Exposure: SULPHUR ALLERGIES MAY OCCUR.

Emergency and First Aid Procedures: TREAT AS A SULPHUR BASE REACTION. ALWAYS MOVE TO FRESH AIR. WASH SKIN AREA WITH POTABLE WATER.

### **SECTION VI - Precautions for Safe Handling and Use**

Steps to be Taken in Case Material is Released or Spilled: FLUSH WITH WATER INTO A RETAINING AREA. CONTAIN AND NEUTRALIZE WITH BICARBONATE OF SODA OR LIMESTONE.

Waste Disposal Method: NEUTRALIZE WITH BICARBONATE OF SODA OR FERTILIZER GRADE LIMESTONE AND DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL ENVIRONMENTAL REGULATIONS.

Precautions to be Taken in Handling and Storage: AVOID STORAGE IN EXCESSIVE HEAT - EXPANSION OF CONTAINER MAY OCCUR CREATING SPILLAGE.

Other Precautions: DO NOT STORE IN OR USE WITH NYLON OR GALVANIZED EQUIPMENT. CONCENTRATE WILL DESTROY NYLON AND COTTON CLOTH.

### **SECTION VII - Control Measures**

Respiratory Protection: (Specify Type) ADEQUATE LOCAL VENTILATION.

Ventilation: YES

Local Exhaust: YES

Protective Gloves: YES

Eye Protection: YES

Work Hygiene Practices: WASH WITH WATER.

### **SECTION VIII - TRANSPORTATION INFORMATION**

#### **DOT INFORMATION**

Proper Shipping Name: Sulphuric acid with not more than 51% acid

Hazard Class: 8

UN/NA #: UN2796

Packing Group: II