

## **TETRA-ETCH COMPOUND TEC-1**

### **MSDS Number**

BBFTC

### **National Stock Number**

6850-00F000055

### **Product Name**

TETRA-ETCH COMPOUND TEC-1

### **Manufacturer**

MEASUREMENTS GROUP

### **Product Identification**

Product ID:TETRA-ETCH COMPOUND TEC-1

MSDS Date:10/21/1988

FSC:6850

NIIN:00F000055

MSDS Number: BBFTC

### **Responsible Party**

MEASUREMENTS GROUP

RALEIGH , NC 27611

US

Emergency Phone: (919) 365-3800

Info Phone: (919) 365-3800

Cage: 88952

### **Contractor**

MEASUREMENTS GROUP INC

WENDELL, NC 27591

US

919-365-3800

Cage: 88952

### **Ingredients**

ETHYLENE GLYCOL DIMETHYL ETHER

CAS: 110-71-4

RTECS: KI1451000

Fraction By Weight: 75%

SODIUM NAPHTHALENE RADICAL

CAS: 11349-05-0

Fraction By Weight: 25%

### **Hazards**

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:INHALATION: DIZZINESS, DROWSINESS,  
ANESTHESIA, HEADACHE, & NAUSEA. SKIN/EYE: SEVERE IRRITATION,  
POSSIBLE CAUSTIC BURNS, INJURY

Explanation of Carcinogenicity:NONE

Effects of Overexposure:RECENT STUDIES HAVE SHOWN THAT THE GLYCOL

DIMETHYL ETHER USED IN THIS PRODUCT CAUSES REPRODUCTIVE TOXICITY IN MICE SUCH AS TESTICULAR ATROPHY, TERATOGENIC EFFECTS/EMBRYO TOXICITY.

Medical Cond Aggravated by Exposure: CERTAIN RARE INDIVIDUALS MAY SHOW A HYPERSENSITIVITY TO NAPHTHALENE. BECAUSE OF THE TERATOGENIC EFFECTS IN MICE OF THE GLYCOL ETHER SOLVENT, EXPOSURE OF PREGNANT FEMALES SHOULD BE MINIMIZED.

## First Aid

First Aid: INHALATION: REMOVE AFFECTED INDIVIDUAL TO FRESH AIR. IF BREATHING STOPS, GIVE ARTIFICIAL RESPIRATION & SEEK MED ATT. INGESTION: CONTACT PHYSICIAN. SKIN: FLUSH W/WATER; WASH THOROUGHLY W/SOAP & WATER, REMOVE ANY CONTAMINATED CLOTHING. SEE PHYSICIAN. EYES: FLUSH W/WATER FOR AT LEAST 15 MINS, CONTACT PHYSICIAN.

## Fire Fighting

Flash Point Method: COC  
Flash Point: 84F  
Lower Limits: 1.8%  
Extinguishing Media: DRY CHEMICAL-PREFERABLY W/A NITROGEN PROPELLANT AS IN SOME TYPES OF LOW TEMPERATURE EXTINGUISHERS  
Fire Fighting Procedures: USE A POSITIVE PRESSURE SUPPLIED AIR RESPIRATOR OR A SELF CONTAINED BREATHING APPARATUS.  
Unusual Fire/Explosion Hazard: THIS MATERIAL IGNITES READILY & BURNS VIGOROUSLY.

## Accidental Release

Spill Release Procedures: DIKE/COVER W/A MINERAL BASED FLAMMABLE LIQUID ABSORBENT SUCH AS SAFESTEP. THIS MATERIAL IS ALSO CAUSTIC. USING NON-SPARK TOOLS, TRANSFER MATERIAL INTO A POLYPROPYLENE OR POLYETHYLENE DRUM/DISPOSE OF A CCORDING TO FEDERAL, STATE/LOCAL REGULATIONS.

## Handling

Handling and Storage Precautions: THIS MATERIAL MAY BE HAZARDOUS TO THE ENVIRONMENT. DURING HANDLING, USE/DISPOSAL, AVOID CONTAMINATION OF SOIL, DRAINS/WATER. AVOID BREATHING VAPOR.  
Other Precautions: PRESSURE MAY BUILD UP DURING STORAGE OR WHEN SHAKING UP THE CAN'S CONTENTS. ALLOW THE PRESSURE TO ESCAPE SLOWLY BEFORE COMPLETELY OPENING THE CAN. PIERCE THE INNER SEAL W/A SMALL, POINTED TOOL TO VENT PRESSURE. STORE

## Exposure Controls

Respiratory Protection: USE ONLY NIOSH APPROVED RESPIRATOR OR SUPPLIED AIR BREATHING APPARATUS. CHEMICAL RESPIRATORS SHOULD BE FITTED W/ORGANIC VAPOR CARTRIDGES.  
Ventilation: ADEQUATE VENTILATION SUCH AS A FUME HOOD OR LOCAL EXHAUST IS ESSENTIAL.  
Protective Gloves: POLYETHYLENE OR NEOPRENE  
Eye Protection: SAFETY GOGGLES  
Supplemental Safety and Health

## Chemical Properties

Boiling Pt: B.P. Text: 185F  
Vapor Pres: 48  
Vapor Density: 3.11  
Spec Gravity: 0.97  
Evaporation Rate & Reference: (N-BU AC = 1): 5.0  
Solubility in Water: APPRECIABLE  
Appearance and Odor: GREEN-BLACK LIQUID, NAPHTHALENE/ETHER ODOR.  
Percent Volatiles by Volume: 75%

## Stability

Stability Indicator/Materials to Avoid: YES  
OXIDIZING MATERIALS  
Stability Condition to Avoid: STORE Hazardous Decomposition Products: REACTS W/WATER TO FORM CAUSTIC SODA, NAPHTHALENE, SMALL AMOUNTS OF HYDROGEN/OTHER POLYCYCLIC COMPOUNDS.

Conditions to Avoid Polymerization:MOISTURE/HALOGENATED COMPOUNDS

## **Disposal**

Waste Disposal Methods:DISPOSE OF LIQUID/SOLIDS IN ACCORDANCE WITH ALL FEDERAL, STATE & LOCAL REGULATIONS.

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