

## **METAL CLEANER**

### **MSDS Number**

BTYRY

### **National Stock Number**

6850-00N048476

### **Product Name**

METAL CLEANER

### **Manufacturer**

MEASUREMENTS GROUP INC

### **Product Identification**

Product ID: METAL CLEANER

MSDS Date: 11/24/1986

FSC: 6850

NIIN: 00N048476

MSDS Number: BTYRY

### **Responsible Party**

MEASUREMENTS GROUP, INC

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**

ETHANOL, 2-BUTOXY-; (2-BUTOXYETHANOL)

CAS: 111-76-2

RTECS: KJ8575000

Fraction By Weight: 10%

OSHA PEL50 PPM, S

ACGIH TLV: 25 PPM, S

PHOSPHORIC ACID

CAS: 7664-38-2

RTECS: TB6300000

Fraction By Weight: 30%

OSHA PEL1 MG/M3;3 STEL

ACGIH TLV: 1 MG/M3;3 STEL

EPA Report Quantity: 5000 LBS

DOT Report Quantity: 5000 LBS

WATER; (DISTILLED)

CAS: 7732-18-5

RTECS: ZC0110000

Fraction By Weight: 60%

OSHA PELN/K

ACGIH TLV: N/K

## Hazards

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

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

Health Hazards Acute and Chronic:IN CONFINED AREAS VAPORS IN HIGH CONCENTRATIONS ARE ANESTHETIC. OVEREXPOSURE MAY RESULT IN LT-HD AND STAGGERING GAIT. IRRITANT TO SKIN, EYES, AND UPPER RESPIRATORY SYSTEM. MIST CAN CAUSE COUGHING, SNEEZING, SALIVATION, AND DROPT BRTHG. ANIMAL STUDIES HAVE CLEARLY DEMONSTRATED DOSE-RELATED ADVERSE (EFFECTS OF OVEREXPOSURE)

Explanation of Carcinogenicity:NOT RELEVANT

Effects of Overexposure:HEALTH HAZARD:EFFECTS ON CNS, HEMATOPOIETIC TISSUE, BLOOD, KIDNEYS, AND LIVER ASSOCIATED WITH ADMINISTRATION OF ETHYLENE GLYCOL MONOBUTYL ETHER (EGMBE). (EXTRACTED FROM DHHS (NIOSH) PUBLICATION NO. 90-118) .

Medical Condition Aggravated by Exposure:MISTS MAY AGGRAVATE PULMONARY DISEASE. LONG TERM SKIN EXPOSURE MAY AGGRAVATE DERMATOSIS.

## First Aid

First Aid:SKIN: WASH AFFECTED AREA THOROUGHLY WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING AND LAUNDRY BEFORE RE-USE. IF IRRITATION PERSISTS, SEEK MEDICAL AID. INHALATION: REMOVE FROM EXPOSURE AND INTO FRESH AIR. RESTORE BREATHING, IF STOPPED. KEEP WARM AND QUIET. EYES: FLUSH EYE AND UNDER LID WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. SEEK MEDICAL AID. INGESTION: CALL MEDICAL IMMEDIATELY .

## Fire Fighting

Flash Point Method:PMCC

Flash Point:>200F,>93C

Extinguishing Media:CARBON DIOXIDE, DRY CHEMICAL, ALCOHOL FOAM.

Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT .

Unusual Fire/Explosion Hazard:MAY REACT WITH SOME METALS INCLUDING ALUMINUM, MAGNESIUM, AND ZINC RESULTING IN EVOLUTION OF HYDROGEN GAS.

## Accidental Release

Spill Release Procedures:VENT AREA. ABSORB WITH ABSORBENT MATERIAL. FLUSH SPILL AREA WITH COPIOUS AMOUNTS OF WATER.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

## Handling

Handling and Storage Precautions:STORE BELOW 80F(27C). KEEP CONTAINERS TIGHTLY SEALED. AVOID STORING OR MIXING WITH MATERIALS CONTAINING CHLORINE.

Other Precautions:AVOID EYE AND SKIN CONTACT. AVOID BREATHING MIST.

## Exposure Controls

Respiratory Protection:NIOSH/MSHA APPROVED SCBA FOR EMERGENCY USE.

Ventilation:LOCAL EXHAUST/MECHANICAL(GENERAL): KEEP BELOW TLV.

Protective Gloves:CHEMICAL RESISTANT/RUBBER.

Eye Protection:CHEMICAL SAFETY GOGGLES & FACE SHIELD.

Other Protective Equipment:RUBBER APRON OR SUITABLE PROTECTIVE

CLOTHING. SFTY SHOWER AND EYE WASH STATION AVAILABLE.  
Work Hygienic Practices:WASH THOROUGHLY AFTER USING.  
Supplemental Safety and Health  
NONE SPECIFIED BY MANUFACTURER.

## Chemical Properties

Boiling Pt:B.P. Text:>212F,>100C  
Vapor Density:>1  
Spec Gravity:1.2(H\*20=1)  
Evaporation Rate & Reference:Solubility in Water:COMPLETE  
Appearance and Odor:AMBER LIQUID

## Stability

Stability Indicator/Materials to Avoid:YES  
ALKALINE MATERIALS AND MATERIALS CONTAINING CHLORINE.  
Hazardous Decomposition Products:OXIDES OF PHOSPHORUS, CARBON.

## Disposal

Waste Disposal Methods:NEUTRALIZE SOLID WASTE W/DILUTE ALKALINE MATL &  
INCINERATE IN APPRVD FACILITY. DISPOSE OF I/A/W LOCAL, STATE, AND  
FEDERAL REGULATIONS.

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