

## **MIL-C-10578 D TYPE V**

### **MSDS Number**

BXFSB

### **National Stock Number**

6850-01-107-2551

### **Product Name**

MIL-C-10578 D TYPE V

### **Manufacturer**

BESCO CHEMICALS CORP

### **Product Identification**

Product ID:MIL-C-10578 D TYPE V

MSDS Date:01/30/1996

FSC:6850

NIIN:01-107-2551

MSDS Number: BXFSB

### **Responsible Party**

BESCO CHEMICALS CORP

200 N MYRTLE STREET

METAIRIE , LA 70003

US

Emergency Phone: 504-737-1428

Info Phone: 504-737-1428

Cage: 0JM82

### **Contractor**

DYNATECH SCIENTIFIC INC

640164

KENNER, LA 70064

US

504-465-9604

Cage: 0VL27

### **Ingredients**

PHOSPHORIC ACID (SARA 313) (CERCLA) (85%)

CAS: 7664-38-2

RTECS: TB6300000

Fraction By Weight: 53%

OSHA PEL1 MG/M3

ACGIH TLV: 1 MG/M3/3 STEL; 9495

EPA Report Quantity: 5000 LBS

DOT Report Quantity: 5000 LBS

### **Hazards**

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS UNKNOWN.

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

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

Health Hazards Acute and Chronic:TARGET ORGANS:EYES, SKIN, RESPIRATORY

& GI TRACTS. ACUTE- CORROSIVE. EYE OR SKIN CONTACT MAY CAUSE CHEMICAL BURNS. MAY CAUSE PERMANENT EYE DAMAGE. INHALING MIST/VAPORS MAY CAUSE SEVERE RESPIRATORY IRRITATION & BURNS. INGESTION MAY CAUSE TISSUE DAMAGE & BURNS TO MOUTH, THROAT & DIGESTIVE TRACT. CHRONIC- UNKNOWN.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:SEVERE IRRITATION, BURNS, DIFFICULTY IN BREATHING, PAIN, NAUSEA, VOMITING, COUGHING

Medical Cond Aggravated by Exposure:SKIN IRRITATION MAY BE AGGRAVATED IN PERSONS WITH EXISTING SKIN LESIONS. MISTS MAY AGGRAVATE ACUTE OR CHRONIC ASTHMA OR OTHER RESPIRATORY DISEASES.

## First Aid

First Aid:GET MEDICAL ATTENTION IMMEDIATELY. EYE/SKIN:IMMEDIATELY FLUSH WITH WATER FOR AT LEAST 15 MINUTES. HOLD EYELIDS OPEN. INHALED:REMOVE TO FRESH AIR & PROVIDE OXYGEN/CPR IF NEEDED. ORAL:DO NOT INDUCE VOMITING. RINSE MOUTH. DRINK LARGE AMOUNT OF WATER/MILK. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. IF VOMITING OCCURS, ADMINISTER FLUID SUCH AS MILK/BEATEN EGGS REPEATEDLY (EVERY TWO HOURS)

## Fire Fighting

Flash Point:NONE

Extinguishing Media:WATER SPRAY, CARBON DIOXIDE, FOAM OR DRY CHEMICAL FOR SURROUNDING FIRE. USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT SUCH AS GLOVES, HOODS, SUITS, RUBBER BOOTS AND A NIOSH-APPROVED FULL-FACE SELF CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:CAN REACT WITH COMMON METALS TO LIBERATE FLAMMABLE AND POTENTIALLY EXPLOSIVE HYDROGEN GAS. MAY FORM HAZARDOUS FUMES SUCH AS PHOSPHORUS OXIDE.

## Accidental Release

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENTS INCLUDING RESPIRATOR FOR ACID MISTS. DIKE SPILL WITH SAND OR CLAY TO KEEP IT OUT OF SEWER SYSTEM. NEUTRALIZE WITH SODA ASH. REQUIRES GOOD VENTILATION AS CO<sub>2</sub> IS PRODUCED. PLACE NEUTRALIZED SPILL IN DOT APPROVED CONTAINER.

Neutralizing Agent:SODA ASH

## Handling

Handling and Storage Precautions:STORE IN CLOSED CONTAINERS AWAY FROM HEAT & INCOMPATIBLE MATERIALS.

Other Precautions:WARNING! CORROSIVE. KEEP OUT OF REACH OF CHILDREN. DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. AVOID BREATHING MISTS OR VAPORS. WASH THOROUGHLY AFTER HANDLING. DO NOT INGEST. IN HOT WEATHER, LOOSEN PLUGS. READ LABEL INSTRUCTIONS CAREFULLY.

## Exposure Controls

Respiratory Protection:USE A NIOSH-APPROVED RESPIRATOR FOR ACID MISTS WHEN HANDLING SPILLS, LEAKS OR WHEN AIRBORNE CONCENTRATIONS EXCEED EXPOSURE LIMITS.

Ventilation:PROVIDE SUFFICIENT GENERAL OR LOCAL EXHAUST VENTILATION TO CONTROL INHALATION EXPOSURES BELOW OSHA'S PEL.

Protective Gloves:NEOPRENE OR RUBBER

Eye Protection:SAFETY GOGGLES & FACE SHIELD

Other Protective Equipment:EYE WASH STATION & EMERGENCY SHOWER SHOULD BE IN CLOSE PROXIMITY. USE OF RUBBERIZED COVERALLS & RUBBER SHOES SUGGESTED.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR.

Supplemental Safety and Health

WHEN DILUTING, ADD ACID SLOWLY TO WATER WITH STIRRING TO AVOID SPLATTERING.

## Chemical Properties

HCC:C1  
NRC/State Lic Num:NOT RELEVANT  
Boiling Pt:B.P. Text:224F,107C  
Vapor Pres:LOW  
Vapor Density:>1  
Spec Gravity:1.281  
pH:2.1 1%  
Evaporation Rate & Reference:Solubility in Water:100%  
Appearance and Odor:CLEAR, RED LIQUID - MILD PERFUME ODOR

## Stability

Stability Indicator/Materials to Avoid:YES  
STRONG ALKALIES, SOME METALS SUCH AS ALUMINUM, ZINC  
Stability Condition to Avoid:STABLE UNDER NORMAL CONDITIONS OF HANDLING.  
Hazardous Decomposition Products:TOXIC FUMES OF PHOSPHORUS OXIDES MAY BE FORMED.

## Disposal

Waste Disposal Methods:DISPOSAL SHOULD BE MADE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.  
NEUTRALIZED SOLUTION MAY BE FLUSHED TO SEWER IF ALLOWED.

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