

# MATERIAL SAFETY DATA SHEET

IDENTITY PHLEX-MAN

## SECTION I

MANUFACTURED BY: FLORATINE PRODUCTS GROUP/355 E. SOUTH STREET/COLLIERVILLE, TN 38017  
FOR INFORMATION PHONE: (901) 853-2898; FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE  
OR ACCIDENT CALL CHEMTREC (Day or Night) WITHIN THE U.S. OR CANADA PHONE: 1-800-424-9300  
OUTSIDE THE U.S. OR CANADA PHONE: +1 703-527-3887 (collect calls accepted)

## SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

NO HAZARDOUS COMPONENTS OSHA PEL N/A--ACGIH TLV N/V--OTHER LIMITS RECOMMENDED  
N/A  
MANGANESE SULFATE                      CITRIC ACID

## SECTION III - PHYSICAL AND CHEMICAL CHARACTERISTICS

BOILING POINT 212°    SPECIFIC GRAVITY: H<sub>2</sub>O=1.147 @ 68°F  
ODOR SLIGHTLY SWEET TO PEANUT                      APPEARANCE TRANSPARENT (PALE PINK) LIQUID  
MELTING POINT NA    EVAPORATION RATE NON VOLATILE  
VAPOR PRESSURE GREATER THAN 1.0 @ 100°  
VAPOR DENSITY AIR = 1 N/A                                      SOLUBILITY IN WATER COMPLETELY @ 68 °

## SECTION IV - FIRE AND EXPLOSIVE HAZARD DATA

FLASH POINT: NON FLAMMABLE                                      FLAMMABLE LIMITS: N/A LEL: N/A UEL: N/A  
EXTINGUISHER MEDIA: N/A    UNUSUAL FIRE AND EXPLOSION HAZARDS - NONE  
SPECIAL FIRE FIGHTING PROCEDURES: AS WITH MATERIALS IN ADJACENT AREAS

## SECTION V - REACTIVITY DATA

STABILITY : STABLE CONDITIONS TO AVOID: NONE  
INCOMPATIBILITY: (MATERIALS TO AVOID): NONE HAZARDOUS DECOMPOSITION OR BYPRODUCTS:  
N/A  
HAZARDOUS POLYMERIZATION : WILL NOT OCCUR CONDITIONS TO AVOID: NONE

## SECTION VI - HEALTH HAZARD DATA

ROUTE OF ENTRY: INHALATION: NO                                      INGESTION: YES                                      SKIN: YES  
HEALTH EFFECTS: MAY BE MILDLY IRRITATING TO SKIN. UNDILUTED MATERIAL WILL BE  
IRRITATING ON DIRECT EYE CONTACT.  
SIGNS & SYMPTOMS OF EXPOSURE: NONE KNOWN.  
CARCINOGENICITY: NTP? N/A IARC MONOGRAPHS? N/A OSHA REGULATED? N/A  
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: NONE  
EMERGENCY & FIRST AID PROCEDURES: WASH SKIN WITH SOAP & WATER. CLOTHING SHOULD BE  
THOROUGHLY WASHED BEFORE RE-USE. FLUSH EYES WITH WATER. SEEK MEDICAL ATTENTION IF  
IRRITATION PERSISTS.

## SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: CONFINE LIQUID. IF UNCONTAMINATED,  
MATERIAL MAY BE RE-PACKAGED AND USED. USE ABSORBENT MATERIAL TO SOAK UP, THEN PUT IN DRUMS.  
DISPOSE OF ACCORDING TO LOCAL REGULATIONS.  
WASTE DISPOSAL METHOD: DISPOSE OF IN AN APPROVED DISPOSAL FACILITY IN ACCORDANCE WITH ALL  
LOCAL, STATE & FEDERAL REGULATIONS.  
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: HANDLE ACCORDING TO GOOD INDUSTRIAL  
SAFETY PRACTICES. MINIMIZE PERSONAL CONTACT

## SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION: N/A  
VENTILATION: LOCAL EXHAUST: N/A SPECIAL: NONE OTHER: NONE  
MECHANICAL: GENERAL ROOM VENTILATION EYE PROTECTION: SAFETY GOGGLES  
PROTECTIVE GLOVES: YES OTHER PROTECTIVE CLOTHING OR EQUIPMENT: SHOWER & WASHING  
FACILITIES  
WORK/HYGIENIC PRACTICES: WASH WITH SOAP & WATER BEFORE EATING, SMOKING AND/OR DRINKING.

6/21/2010