ATTN: SAFETY DIRECTOR  
UNIVERSITY OF WISCONSIN WHITewater  
P O BOX 296  
WHITewater WI 53190

STEVe ANDERSON

DATE: 01/17/91  
CUST#: 523216  
PO#: QC10286

MATERIAL SAFETY DATA SHEET  

PRODUCT #: M210-1  
CAS #: 611-72-3  
MF: C8H8O3

SYNONYMS  
Amygdaline Acid * Amygdalinic Acid * Hydroxyphenylacetic Acid * Hydroxyphenylglycolic Acid * Phenyl - * Aliphatic - * Alpha-Hydroxyalpha-toluic Acid * Kyserina 2-E2Nyl-2-Hydroxyethano (Czech) * Kyselina Mandlov (Czech) * Paramandelic Acid * Phenylglycolic Acid * Phenylhydroxyacetic Acid * Racemic Mandelic Acid * Phenol Acid * Uromaline

-- TOXICITY HAZARDS --

RTECS NO: 00630000  
MANDELIC ACID

TOXICITY DATA  
I.P.R. RAT LD50: 6000 MG/KG  
I.M.R. RAT LD50: 300 MG/KG

REVIEWS, STANDARDS, AND REGULATIONS  
NOHS 1974: H3D 810326; NIS 1; TNE 74; NOS 25; TNE 1744  
EPA TSCA CHEMICAL INVENTORY, JUNE 1990

ONLY SELECTED REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES (RTECS) DATA IS PRESENTED HERE. SEE ACTUAL ENTRY IN RTECS FOR COMPLETE INFORMATION.

-- HEALTH HAZARD DATA --

ACUTE EFFECTS  
MAY BE HARMFUL IN INHALATION, INGESTION, OR SKIN ABSORPTION. MAY CAUSE IRRITATION.

TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.

FIRST AID  
IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH copious AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. IN CASE OF CONTACT, IMMEDIATELY WASH SKIN WITH SOAP AND copious AMOUNTS OF WATER. IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE oxygen. IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS. CALL A PHYSICIAN. WASH CONTAMINATED CLOTHING BEFORE REUSE.

-- PHYSICAL DATA --

MELTING PT: 119 C TO 121 C

CONTINUED ON NEXT PAGE
PRODUCT #: M210-1  
CAS #: 1611-72-3  
MF: C₈H₈O₃  

NAME: DL-MANDELIC ACID, 99%  

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PHYSICAL DATA  

APPEARANCE AND ODOR  
WHITE CRYSSTALLINE SOLID  

EXTINGUISHING MEDIA  
WATER SPRAY.  
CARBON DIOXIDE, DRY CHEMICAL POWDER, ALCOHOL OR POLYMER FOAM.  

SPECIAL FIREFIGHTING PROCEDURES  
WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES.  

INCOMPATIBILITIES  
STRONG OXIDIZING AGENTS MAY DISCOLOR ON EXPOSURE TO AIR.  
STRONG BASES  
STRONG REDUCING AGENTS  
HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS  
TOXIC FUMES OF:  
CARBON MONOXIDE, CARBON DIOXIDE  

SPILL OR LEAK PROCEDURES  
STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:  
WEAR SELF-CONTAINED BREATHING APPARATUS, RUBBER BOOTS AND HEAVY RUBBER GLOVES.  
Sweep up. Place in a bag and hold for waste disposal.  
Avoid raising dust.  
Ventilate area and wash spill site after material pickup is complete.  
WASTE DISPOSAL METHOD  
DISSOLVE OR MIX THE MATERIAL WITH A COMBUSTIBLE SOLVENT AND BURN IN A CHEMICAL INCINERATOR EQUIPPED WITH AN AFTERBURNER AND SCRUBBER.  
OBSERVE ALL FEDERAL, STATE AND LOCAL LAWS.  

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE  
CHEMICAL SAFETY GOGGLES, RUBBER GLOVES, NIOSH/MSHA-APPROVED RESPIRATOR.

CONTINUED ON NEXT PAGE
PRODUCT #: M210-1
CAS #: 1611-72-3
MF: CBH003

--- PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE ---

SAFETY SHOWER AND EYE BATH.
MECHANICAL EXHAUST REQUIRED.
AVOID CONTACT AND INHALATION.
DO NOT GET IN EYES, ON SKIN, ON CLOTHING.
KEEP Tightly CLOSED.
USE WITH ADEQUATE VENTILATION.
LIGHT SENSITIVE
STORE IN A COOL DRY PLACE.

THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT BUT DOES NOT PURPORT TO BE
ALL INCLUSIVE AND SHALL BE USED ONLY AS A GUIDE. ALDRICH SHALL NOT BE HELD
LIABLE FOR ANY DAMAGE RESULTING FROM HANDLING OR FROM CONTACT WITH THE
ABOVE PRODUCT. SEE REVERSE SIDE OF INVOICE OR PACKING SLIP FOR ADDITIONAL
TERMS AND CONDITIONS OF SALE.

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