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DATE: 09/27/94  
 CUST#: 2-097-94816  
 PO#: UNE-51497

LOT#: 113H9318

M A T E R I A L   S A F E T Y   D A T A   S H E E T                      P A G E   1

SECTION 1. ----- CHEMICAL IDENTIFICATION-----

PRODUCT #: H0267                      NAME: HEMOGLOBIN-AO, FERROUS

SECTION 2. ----- COMPOSITION/INFORMATION ON INGREDIENTS -----  
 CAS #: 54651-57-9

SECTION 3. ----- HAZARDS IDENTIFICATION ----- 

LABEL PRECAUTIONARY STATEMENTS  
 BIOHAZARD  
 HANDLE AS IF CAPABLE OF TRANSMITTING INFECTIOUS AGENTS. REFER  
 TO MATERIAL SAFETY DATA SHEET.

SECTION 4. ----- FIRST-AID MEASURES-----

IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS.  
 CALL A PHYSICIAN.  
 IN CASE OF SKIN CONTACT, FLUSH WITH COPIOUS AMOUNTS OF WATER  
 FOR AT LEAST 15 MINUTES. REMOVE CONTAMINATED CLOTHING AND  
 SHOES. CALL A PHYSICIAN.  
 IF INHALED, REMOVE TO FRESH AIR. IF BREATHING BECOMES DIFFICULT,  
 CALL A PHYSICIAN.  
 IN CASE OF CONTACT WITH EYES, FLUSH WITH COPIOUS AMOUNTS OF WATER  
 FOR AT LEAST 15 MINUTES. ASSURE ADEQUATE FLUSHING BY SEPARATING  
 THE EYELIDS WITH FINGERS. CALL A PHYSICIAN.

SECTION 5. ----- FIRE FIGHTING MEASURES -----

EXTINGUISHING MEDIA  
 NONCOMBUSTIBLE.  
 USE EXTINGUISHING MEDIA APPROPRIATE TO SURROUNDING FIRE CONDITIONS.  
 SPECIAL FIREFIGHTING PROCEDURES  
 WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO  
 PREVENT CONTACT WITH SKIN AND EYES.

SECTION 6. ----- ACCIDENTAL RELEASE MEASURES-----

WEAR RESPIRATOR, CHEMICAL SAFETY GOGGLES, RUBBER BOOTS AND HEAVY  
 RUBBER GLOVES.  
 SWEEP UP, PLACE IN A BAG AND HOLD FOR WASTE DISPOSAL.

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AVOID RAISING DUST.  
 VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.

SECTION 7. - - - - - HANDLING AND STORAGE - - - - -  
 REFER TO SECTION 8.

SECTION 8. - - - - - EXPOSURE CONTROLS/PERSONAL PROTECTION - - - - -

NIOSH/MSHA-APPROVED RESPIRATOR.  
 MECHANICAL EXHAUST REQUIRED.  
 COMPATIBLE CHEMICAL-RESISTANT GLOVES.  
 CHEMICAL SAFETY GOGGLES.  
 HUMAN SOURCE MATERIAL FROM WHICH THIS PRODUCT WAS DERIVED WAS FOUND  
 NEGATIVE FOR HEPATITIS B SURFACE ANTIGEN AND ANTIBODY TO HIV BY  
 APPROVED TEST METHODS. SINCE NO TEST METHOD CAN OFFER COMPLETE  
 ASSURANCE THE HEPATITIS B VIRUS, HIV OR OTHER INFECTIOUS AGENTS ARE  
 ABSENT, THIS PRODUCT SHOULD BE HANDLED OBSERVING THE SAME SAFETY  
 PRECAUTIONS EMPLOYED WHEN HANDLING ANY POTENTIALLY INFECTIOUS  
 MATERIAL.

SECTION 9. - - - - - PHYSICAL AND CHEMICAL PROPERTIES - - - - -

APPEARANCE AND ODDR  
 SOLID.

SECTION 10. - - - - - STABILITY AND REACTIVITY - - - - -

STABILITY  
 STABLE.  
 HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS  
 NATURE OF DECOMPOSITION PRODUCTS NOT KNOWN.  
 HAZARDOUS POLYMERIZATION  
 WILL NOT OCCUR.

SECTION 11. - - - - - TOXICOLOGICAL INFORMATION - - - - -

ACUTE EFFECTS  
 MAY BE HARMFUL BY INHALATION, INGESTION, OR SKIN ABSORPTION.  
 HUMAN SOURCE MATERIAL.

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THE TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY  
 INVESTIGATED.

SECTION 12. ----- ECOLOGICAL INFORMATION -----  
 DATA NOT YET AVAILABLE.

SECTION 13. ----- DISPOSAL CONSIDERATIONS -----  
 DISPOSAL SHOULD BE MADE IN ACCORDANCE WITH EXISTING DISPOSAL PRACTICES  
 EMPLOYED FOR INFECTIOUS WASTE AT YOUR INSTITUTION. OBSERVE ALL FEDERAL,  
 STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

SECTION 14. ----- TRANSPORT INFORMATION -----  
 CONTACT SIGMA CHEMICAL COMPANY FOR TRANSPORTATION INFORMATION.

SECTION 15. ----- REGULATORY INFORMATION -----  
 DATA NOT AVAILABLE

SECTION 16. ----- OTHER INFORMATION -----

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