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MATERIAL SAFETY DATA SHEET

HELENA LABORATORIES
1530 Lindbergh Dr./P.O. Box 752
Beaumont, TX 77704-0752
USA Toll Free 800-231-5663

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DATE PREPARED: 10/12/2010
REVISION: 3

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1. IDENTIFICATION:

PRODUCT NAME: SPIFE LIPOPROTEIN-20, 40, 60, 80 KIT

PRODUCT NO.: 3343,3342,3341,3340

2. INGREDIENTS (THE ABOVE KIT CONTAINS THE FOLLOWING ITEMS):

Table with 3 columns: PRODUCT NUMBER, PRODUCT IDENTIFICATION (LABEL NAME), COMMENTS. Includes entries for SPIFE LIPO 20,40,60,80 GEL KIT and LIPOPROTEIN STAIN. A sub-table lists hazardous ingredients: HAZARDOUS INGREDIENT, CAS #, %, COMMENTS, with Sudan Red 7B listed at 100.0%.

ATTACHED IS THE MSDS FOR THE ABOVE NAMED HAZARDOUS INGREDIENT.

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DATE PREPARED: 10/6/2010
REVISION: 5

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1. IDENTIFICATION:

NAME: SUDAN RED 7B

CAS #: 6368-72-5

MOLECULAR FORMULA: C24H21N5

MOLECULAR WEIGHT: 379.47

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2. CHEMICAL COMPOSITION:

Table with 5 columns: CHEMICAL NAME/COMMON NAME, CAS #, %, EXPOSURE LIMITS (OSHA PEL), and LIMITS (ACGIH TLV). Row 1: SUDAN RED 7B, 6368-72-5, 100, NA, NA.

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NA = Not Applicable

NE = Not Established

NL = Not Listed

NIF = No Information Found

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3. HAZARD IDENTIFICATION:

EMERGENCY OVERVIEW: HARMFUL.
HARMFUL IF SWALLOWED.
POSSIBLE MUTAGEN.

PRIMARY ROUTE(S) OF ENTRY:

INHALATION? X SKIN? X INGESTION? X

ACUTE EFFECT OF OVEREXPOSURE:

EYES: MAY CAUSE EYE IRRITATION.

SKIN: MAY CAUSE SKIN IRRITATION.

INHALATION: MATERIAL MAY BE IRRITATING TO MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT. MAY BE HARMFUL IF INHALED.

INGESTION: HARMFUL IF SWALLOWED.

CHRONIC EFFECTS OF EXPOSURE: LABORATORY EXPERIMENTS HAVE SHOWN MUTAGENIC EFFECTS.

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4. FIRST AID MEASURES:

EYE CONTACT: IN CASE OF CONTACT WITH EYES, FLUSH WITH COPIOUS AMOUNT OF WATER FOR AT LEAST 15 MINUTES. ASSURE ADEQUATE FLUSHING BY SEPARATING THE EYELIDS WITH FINGERS. CALL A PHYSICIAN.

SKIN CONTACT: IN CASE OF SKIN CONTACT, FLUSH WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. REMOVE CONTAMINATED CLOTHING AND SHOES.

INHALATION: IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN.

INGESTION: IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS. CALL A PHYSICIAN.

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5. FIRE AND EXPLOSION HAZARD DATA:

FLASH POINT (METHOD USED): NA

FLAMMABLE LIMITS: NA LEL UEL

EXTINGUISHING MEDIA: WATER SPRAY, CARBON DIOXIDE, DRY CHEMICAL POWDER, OR APPROPRIATE FOAM.

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

UNUSUAL FIRE AND EXPLOSION HAZARDS: EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

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6. SPILL OR LEAK PROCEDURES:

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

EVACUATE AREA.

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.

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7. HANDLING AND STORAGE:

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

DO NOT BREATHE DUST. AVOID CONTACT WITH EYES, SKIN, AND CLOTHING.

AVOID PROLONGED OR REPEATED EXPOSURE.

WASH THOROUGHLY AFTER HANDLING.

KEEP TIGHTLY CLOSED.

STORE IN A COOL DRY PLACE.

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8. EXPOSURE CONTROL/PERSONAL PROTECTION:

RESPIRATORY PROTECTION (SPECIFY TYPE): WEAR APPROPRIATE NIOSH/MSHA-APPROVED RESPIRATOR.

VENTILATION: LOCAL EXHAUST: MECHANICAL:  
OTHER: CHEMICAL HOOD

PROTECTIVE GLOVES: CHEMICAL RESISTANT GLOVES.

EYE PROTECTION: SAFETY GOGGLES.

OTHER PROTECTIVE EQUIPMENT: SAFETY SHOWER AND EYE BATH.

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9. PHYSICAL DATA:

BOILING POINT: NA SPECIFIC GRAVITY (H<sub>2</sub>O = 1): NA  
pH: NA

VAPOR PRESSURE (MM HG.): NA MELTING POINT: 130°C

VAPOR DENSITY (AIR = 1): NA

SOLUBILITY IN WATER: NA APPEARANCE AND ODOR: DARK RED TO RED-PURPLE POWDER

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10. STABILITY AND REACTIVITY:

STABILITY: UNSTABLE: STABLE: X

INCOMPATIBILITY (MATERIALS TO AVOID): STRONG OXIDIZING AGENTS.

HAZARDOUS DECOMPOSITION OF BY-PRODUCTS: TOXIC FUMES OF CARBON DIOXIDE, CARBON MONOXIDE AND NITROGEN OXIDES.

HAZARDOUS POLYMERIZATION:  
MAY OCCUR:

WILL NOT OCCUR: X

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11. TOXICOLOGICAL INFORMATION:

LD50/LC50: NIF

REPRODUCTIVE TOXICITY: NIF

IRRITANCY, SENSITIVITY: NIF

CARCINOGENICITY: NOT CLASSIFIABLE AS TO ITS CARCINOGENICITY BASED ON ITS IARC, ACGIH, NTP, OR EPA CLASSIFICATION.

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

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12. ECOLOGICAL INFORMATION: DATA NOT AVAILABLE.

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13. DISPOSAL CONSIDERATIONS: OBSERVE ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

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14. TRANSPORTATION INFORMATION: NOT REGULATED.

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15. REGULATORY INFORMATION:  
SARA LISTED: NO  
TSCA INVENTORY ITEM: YES

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16. OTHER INFORMATION:  
HEALTH = 1  
FLAMMABILITY = 0  
REACTIVITY = 0

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The information herein is given in good faith but no warranty, expressed or implied, is made.