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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):

PRODUCT NUMBER	PRODUCT IDENTIFICATION (LABEL NAME)	COMMENTS
551991	SPIFE LIPO 20,40,60,80 GEL KIT	
500474	LIPOPROTEIN STAIN	

HAZARDOUS INGREDIENT	CAS #	%	
SUDAN RED 7B	6368-72-5	100.0	MSDS ATTACHED

551990	SPIFE LIPO-20, 40, 60, 80 GEL	NON-HAZARDOUS

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:

CHEMICAL NAME/COMMON NAME	CAS #	%	EXPOSURE LIMITS OSHA PEL	EXPOSURE LIMITS ACGIH TLV
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_20 = 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.