
MATERIAL SAFETY DATA SHEET

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

DATE PREPARED: 2/18/1994
REVISION: 1

1. IDENTIFICATION:

PRODUCT NAME: REP ALKALINE Hb-8 KIT

PRODUCT NO: 3197

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

Table with 3 columns: PRODUCT NUMBER, PRODUCT IDENTIFICATION (LABEL NAME), COMMENTS. Includes entries for 551465 (REP ALKALINE Hb-8 GEL), 551374 (HEMOLYSATE REAGENT), 551151 (ACID BLUE STAIN), and a hazardous ingredient section for ACID BLUE 29 (CAS # 5850-35-1, 100%, MSDS ATTACHED).

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ATTACHED IS THE MSDS FOR THE ABOVE NAMED HAZARDOUS INGREDIENT.

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DATE PREPARED: 10/1/1992
 REVISION: 2

1. IDENTIFICATION:

NAME: ACID BLUE 29

CAS #: 5850-35-1

MOLECULAR FORMULA: C22H16N6O9S2

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2. HAZARDOUS INGREDIENTS:

CHEMICAL NAME/COMMON NAME CAS #	%	EXPOSURE LIMITS	
		OSHA PEL	ACGIH TLV
ACID BLUE 29 5850-35-1	100.0	NA	NA

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3. PHYSICAL DATA:

BOILING POINT: NA SPECIFIC GRAVITY (H2O = 1): NA
 VAPOR PRESSURE (MM HG.): NA MELTING POINT: NIF
 VAPOR DENSITY (AIR = 1): NA APPEARANCE AND ODOR: BLACK POWDER
 SOLUBILITY IN WATER: YES

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NA = Not Applicable NE = Not Established
 NL = Not Listed NIF = No Information Found

4. HEALTH HAZARD DATA:

PRIMARY ROUTE(S) OF ENTRY:

INHALATION? YES SKIN? YES INGESTION? YES

CARCINOGENICITY: NTP? NO IARC? NO

ACUTE EFFECTS OF OVEREXPOSURE:

EYES: MAY CAUSE IRRITATION.

SKIN: MAY BE HARMFUL IF ABSORBED THROUGH THE SKIN. MAY CAUSE IRRITATION.

INHALATION: MAY BE HARMFUL IF INHALED. MAY CAUSE IRRITATION.

INGESTION: MAY BE HARMFUL IF SWALLOWED. MAY CAUSE IRRITATION.

CHRONIC EFFECTS OF EXPOSURE: THE TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.

TOXICITY DATA: NO DATA AVAILABLE.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: NIF

EMERGENCY AND FIRST AID PROCEDURES:

EYE CONTACT: IN CASE OF EYE CONTACT, FLUSH WITH COPIOUS AMOUNTS 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. CALL A PHYSICIAN.

INHALATION: IF INHALED, REMOVE TO FRESH AIR. IF BREATHING BECOMES DIFFICULT, CALL A PHYSICIAN.

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

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5. FIRE AND EXPLOSION HAZARD:

FLASHPOINT (METHOD USE): NA

FLAMMABLE LIMITS: NA LEL NA UEL NA

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

5. FIRE AND EXPLOSION HAZARD (CONT):

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. REACTIVITY DATA:

STABILITY: UNSTABLE: STABLE: X

INCOMPATIBILITY (MATERIALS TO AVOID): NIF

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: CARBON MONOXIDE, CARBON DIOXIDE, NITROGEN OXIDES, SULFUR OXIDES.

HAZARDOUS POLYMERIZATION:

MAY OCCUR: WILL NOT OCCUR: X

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7. SPILL OR LEAK PROCEDURES:

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: WEAR PROTECTIVE EQUIPMENT. SWEEP UP, PLACE IN A BAG AND HOLD FOR WASTE DISPOSAL. AVOID RAISING DUST.

WASTE DISPOSAL METHODS: OBSERVE ALL FEDERAL, STATE AND LOCAL REGULATIONS.

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8. SPECIAL PROTECTION INFORMATION:

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

VENTILATION: LOCAL EXHAUST: MECHANICAL: REQUIRED
OTHER:

PROTECTIVE GLOVES: CHEMICAL RESISTANT

EYE PROTECTION: SAFETY GOGGLES

OTHER PROTECTIVE EQUIPMENT: OTHER PROTECTIVE CLOTHING

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9. SPECIAL PRECAUTIONS:

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: NIF

OTHER PRECAUTIONS: NA

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10. OTHER INFORMATION: NA

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