

3041 TITAN GEL SERUM PROTEIN BUFFER

MSDS Number

BKCNV

National Stock Number

6505-00F015094

Product Name

3041 TITAN GEL SERUM PROTEIN BUFFER

Manufacturer

HELENA LABORATORIES

Product Identification

Product ID:3041 TITAN GEL SERUM PROTEIN BUFFER

MSDS Date:01/23/1990

FSC:6505

NIIN:00F015094

MSDS Number: BKCNV

Responsible Party

HELENA LABORATORIES

1530 LINDBERGH DR.

BEAUMONT , TX 77704-0752

Emergency Phone: (800) 231-5663

Info Phone: (800) 392-3126

Cage: 53738

Contractor

HELENA LABORATORIES

752

BEAUMONT, TX 77704-0752

US

800-231-5663/800-392-3126 (TEXAS)

Cage: 53738

Ingredients

SODIUM AZIDE (SARA III)

CAS: 26628-22-8

RTECS: VY8050000

Fraction By Weight: 5.15%

OSHA PELS, C 0.1 PPM(HN3)

ACGIH TLV: C 0.11 PPM; 9192

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

THIMEROSAL SODIUM

CAS: 56-64-8

Fraction By Weight: 1.03%

BARBITAL

CAS: 57-44-3

RTECS: CQ3500000

Fraction By Weight: 13.86%

Hazards

LD50 LC50 Mixture:ORAL LD50 (RAT): 27 MG/KG

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:SKIN: IRRITATION/REDNESS/& BURNS. EYE: IRRITATION/CORNEAL BURNS/& RETINA/OPTIC NERVE INJURY. INHALATION: DIZZINESS/ANXIETY/CONFUSION/DROWSINESS/NAUSEA/VOMITING, RAPID/SLOW RESPIRATION/GASPING/CYANOSIS /HYPOTENSION/& COMA. INGESTION: BREATHLESSNESS/TACHYCARDIA/& HEAD POUNDING SENSATIONS.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:SKIN: DERMATITIS. EYE: CONJUNCTIVITIS.

INHALATION: SWEATING/PULMONARY

EDEMA/BRONCHITIS/COLLAPSE/UNCONSCIOUSNESS/RESPIRATORY

FAILURE/WEAKNESS/THROAT/MUCOUS MEMBRANE IRRITATION/ANOREXIA/WEIGHT LOSS/VASO DILATION/& DEATH. INGESTION:

TOXIC/HEADACHE/RESTLESSNESS/POLYDIPSIA/CARDIOMYOPHY/LEKOCYTOSIS/& DEATH.

First Aid

First Aid:EYES: FLUSH W/PLENTY OF WATER OR NORMAL SALINE FOR AT LEAST 15 MINS. SKIN: WASH W/SOAP OR MILD DETERGENT & PLENTY OF WATER.

INHALATION: REMOVE TO FRESH AIR. GIVE CPR OR OXYGEN, IF NEEDED.

KEEP WARM & AT REST. TREAT SYMPTOMATICALLY & SUPPORTIVELY.

INGESTION: IF CONSCIOUS, INDUCE VOMITING BY GASTRIC LAVAGE OR EMESIS USING ACTIVATED CHARCOAL. OBTAIN MEDICAL ATTENTION IN ALL CASES.

Fire Fighting

Flash Point:COMBUSTIBLE

Extinguishing Media:DRY CHEMICAL, CO2, HALON, WATER SPRAY, OR STANDARD FOAM.

Fire Fighting Procedures:KEEP UPWIND. EVACUATE TO A RADIUS OF 2500 FEET FOR UNCONTROLLABLE FIRES. USE WATER SPRAY TO REDUCE VAPORS.

Unusual Fire/Explosion Hazard:MAY BURN BUT DOES NOT IGNITE READILY. MAY EXPLODE FROM FRICTION, HEAT, OR CONTAMINATION.

Accidental Release

Spill Release Procedures:STOP LEAK SAFELY. SMALL SPILL: TAKE UP W/SAND OR OTHER ABSORBENT. PLACE INTO CONTAINERS FOR DISPOSAL. SMALL DRY SPILL: USE CLEAN SHOVEL TO PLACE MATERIAL INTO CLEAN, DRY CONTAINERS & COVER. MOVE CONTAINERS FROM AREA. VENTILATE CLOSED SPACES.

Handling

Handling and Storage Precautions:AVOID BREATHING POISONOUS VAPORS. DON'T TOUCH SPILLED MATERIAL OR WEAR CONTACT LENSES. AVOID CONTACT W/EYES & SKIN.

Other Precautions:POISON.

Exposure Controls

Respiratory Protection:USE NIOSH APPROVED DUST RESPIRATOR.

Ventilation:LOCAL EXHAUST: HOOD SYSTEM (>100 CFM VELOCITY).

Protective Gloves:PROTECTIVE

Eye Protection:SPLASH-PROOF/DUST RESISTANT GOGGLES

Other Protective Equipment:FACESHIELD, EYE WASH FOUNTAIN, & SHOWER.

Work Hygienic Practices:REMOVE/LAUNDER CONTAMINATED CLOTHING & SHOES BEFORE REUSE.

Supplemental Safety and Health

MATERIALS TO AVOID CON'T: CARBON DISULFIDE/PHOSGENE/CHROMYL CHLORIDE/CYANURIC ACID/DIBROMOMALONITRILE/DIMETHYL

SULFATE/2,5-DINITRO-3-METHYLBENSOIC ACID/HEAVY METALS/LEAD/NITRIC ACID/SULFURIC ACID/TRIFLUOROACRYLOYL CHLORIDE/WATER/SODIUM/AZIDE. THE AZIDE ION INHIBITS CYTOCHROME OXIDASE & PHOSPHORYLATION.

Chemical Properties

Melt/Freeze Pt:M.P/F.P Text:527F

Spec Gravity:1.8

Solubility in Water:42%

Appearance and Odor:COLORLESS, CRYSTALLINE SOLID

Stability

Stability Indicator/Materials to Avoid:NO

ACIDS/AMMONIUM CHLORIDE/TRICHLOROACETONITRILE/BARIUM CARBONATE/BENZOYL CHLORIDE/POTASSIUM HYDROXIDE/BROMINE. SEE SUPP.

Stability Condition to Avoid:SHOCK & HEAT.

Hazardous Decomposition Products:SODIUM & NITROGEN.

Disposal

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE W/LOCAL, STATE, & FEDERAL REGULATIONS.

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