BIOCHEMICAL SCIENCES INC -- 23005500, 23111003,10% FORMALDEHYDE BUFFERED (SEE SUPPL) -- 6550-01-416-4358

============= Product Identification =================

Product ID:23005500, 23111003,10% FORMALDEHYDE BUFFERED (SEE SUPPL)

MSDS Date:06/10/1998

FSC:6550

NIIN:01-416-4358 Status Code:A

MSDS Number: CLLJY === Responsible Party ===

Company Name: BIOCHEMICAL SCIENCES INC

Address:100 CLARENDON DRIVE

City:SWEDESBORO

State:NJ ZIP:08085 Country:US

Info Phone Num:800-524-0294

Emergency

Phone Num:800-524-0294

Preparer's Name: NOT PROVIDED Chemtrec Ind/Phone: (800)424-9300

CAGE:0B0Y1

=== Contractor Identification ===

Company Name: BIOCHEMICAL SCIENCES INC

Address: 200 COMMODORE DRIVE

Box:City:SWEDESBORO

State:NJ ZIP:08085 Country:US

Phone:800-524-0294

CAGE:0B0Y1

======= Composition/Information on Ingredients ========

Ingred Name:FORMALDEHYDE

CAS:50-00-0

RTECS #:LP8925000

= Wt:3.8

Other REC Limits:NOT PROVIDED

OSHA PEL:SEE 1910.1048

ACGIH STEL:C0.37 MG/M3;C0.3 PPM

EPA

Rpt Qty:100 LBS DOT Rpt Qty:100 LBS

Ingred Name: SODIUM PHOSPHATE, DIBASIC

CAS:7558-79-4

RTECS #:WC4500000

< Wt:1.

Other REC Limits: NONE LISTED

OSHA PEL:NONE LISTED ACGIH TLV:NONE LISTED EPA Rpt Qty:5000 LBS DOT Rpt Qty:5000 LBS

Ingred Name: SODIUM PHOSPHATE, MONOBASIC

CAS:7558-80-7

RTECS #:WA1900000

< Wt:1.

Other REC Limits: NONE LISTED

OSHA PEL:NONE LISTED ACGIH TLV:NONE LISTED

Ingred Name:WATER

CAS:7732-18-5

RTECS #:ZC0110000 Fraction by Wt: BALANCE

Other REC Limits: NONE LISTED

OSHA PEL :NONE LISTED

ACGIH TLV:NONE LISTED

========== Hazards Identification ===========================

LD50 LC50 Mixture: NOT PROVIDED

Health Hazards Acute and Chronic: HARMFUL IF SWALLOWED, INHALED,

ABSORBED THROUGH SKIN. EYE: MAY CAUSE SEVERE IRRITATION, CORNEAL INJURY. SKIN: MAY CAUSE SEVERE IRRITATION, SKIN SENSITIZATION. IN SEVERE CASES MAY PRODUCE BLISTERING, S CALING AND FORMATION OF FISSURES. INGESTION: MAY CAUSE

IRRITATION OF DIGESTIVE TRACT,

VIOLENT VOMITING AND DIARRHEA LEADING TO COLLAPSE. MAY CAUSE SYSTEMIC TOXICITY INCLUDING CNS DEPRESSION, CONVULSIO NS, COMA, POSSIBLE DEATH DUE TO RESPIRATORY FAILURE. INHALATION: MAY CAUSE IRRITATION WITH PAIN, COUGHING, WHEEZING, SHORTNESS OF BREATH, SENSITIZATION. CHRONIC: MAY CAUSE DERMATITIS, LUNG CANCER, SKI N DISCOLORATION, NAIL DECAY.

Explanation of Carcinogenicity:FORMALDEHYDE

Effects of Overexposure: EYE: MAY CAUSE SEVERE IRRITATION

5	SKIN: MAY
	CAUSE SEVERE IRRITATION, SKIN SENSITIZATION. IN SEVERE CASES MAY
	PRODUCE BLISTERING, SCALING AND FORMATION OF FISSURES. INGESTION:
	MAY CAUSE IRRITATION OF D IGESTIVE TRACT, VIOLENT VOMITING AND
	DIARRHEA LEADING TO COLLAPSE. MAY CAUSE SYSTEMIC TOXICITY INCLUDING
	CNS DEPRESSION, CONVULSIONS, COMA, POSSIBLE DEATH. INHALATION: MAY
	CAUSE IRRITATION WITH PAIN, COUGHING, WHEEZING, SHORTNESS OF
	BREATH, SENSITIZATION.

Medical Cond Aggravated by Exposure:NOT PROVID ED

 First Aid Magguros	
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First Aid:EYE: FLUSH WITH WATER FOR AT LEAST 15 MINUTES, OCCASIONALLY LIFTING UPPER AND LOWER LIDS. GET MEDICAL AID. DO NOT ALLOW VICTIM TO RUB/KEEP EYES CLOSED. SKIN: IMMEDIATELY FLUSH SKIN WITH PLENTY OF SOAP AND WATER. GET MEDICAL AID IF IRRITATION DEVELOPS OR PERSISTS. INGESTION: IF VICTIM IS CONSCIOUS AND ALLERT, GIVE 2-4 CUPFULS OF MILK/ WATER. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS P

ERSON. GE T MEDICAL AID IMMEDIATELY. INHALATION: GET MEDICAL AID IMMEDIATELY. REMOVE FROM EXPOSURE TO FRESH AIR IMMEDIATELY. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN.

Lower Limits:N/AV Upper Limits:N/AV

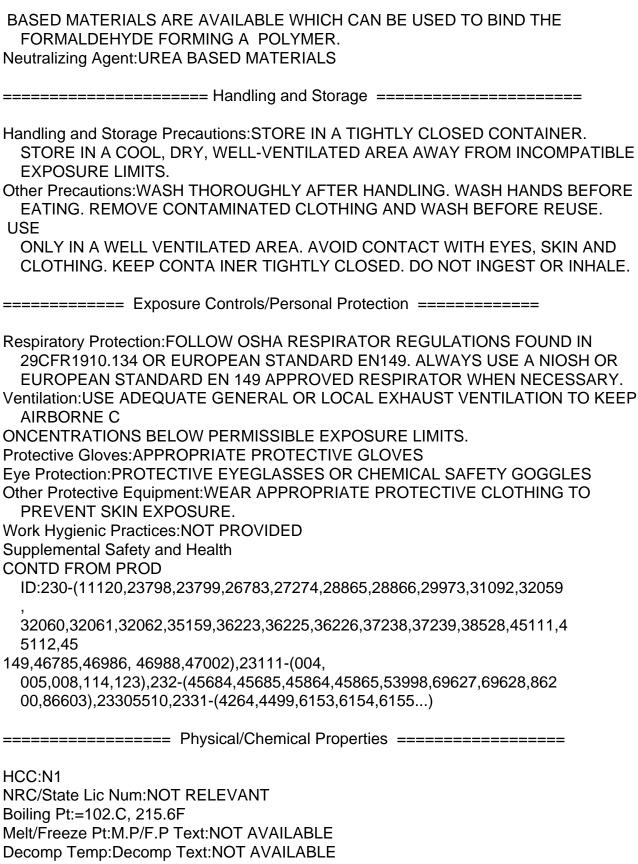
Extinguishing Media:SMALL FIRE: USE WATER SPRAY, DRY CHEMICAL, CARBON DIOXIDE OR CHEMICAL FOAM.

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS IN PRESSURE DEMAND. MSHA/NIOSH (APPROVED OR EQUIVALENT) AND FULL PROTECTIVE GEAR. WATER RUNOFF CAN CAUSE ENVIRONMENTAL DAMAGE. DIKE AND COLLECT WATER USED TO FI GHT FIRES. USE WATER SPAY TO KEEP FIRE-EXPOSED CONTAINERS COOL.

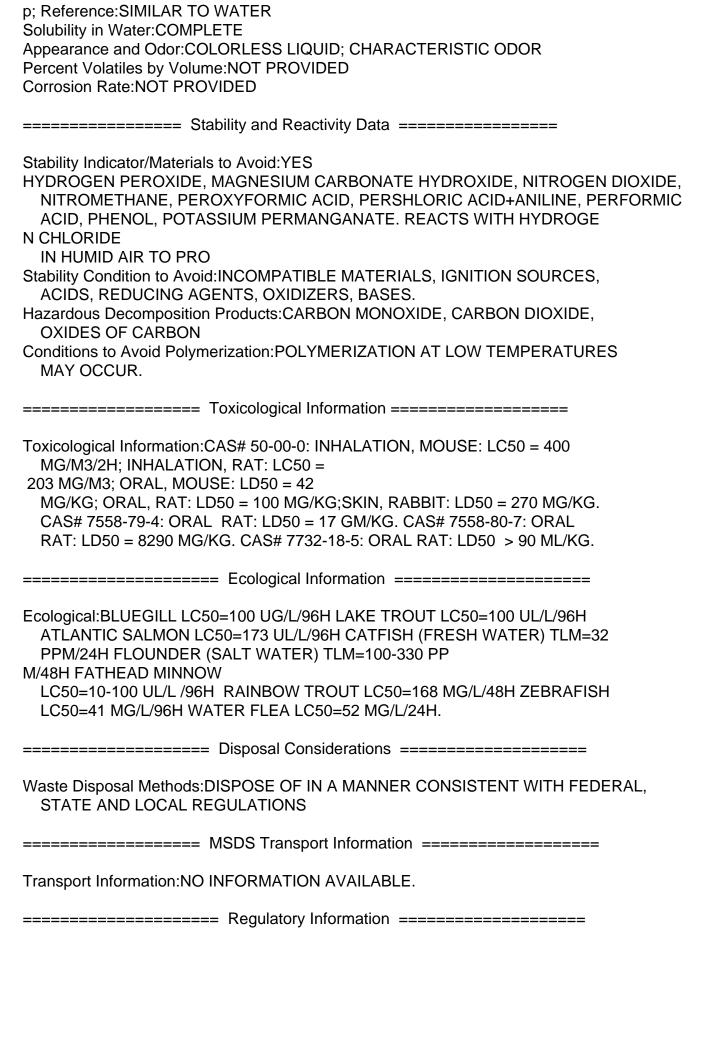
Unusual Fire/Explosion Hazard: NOT PROVIDED

 Accidental Release Measures	

Spill Release Procedures:ABSORB WITH INERT MATERIAL(DRY SAND OR EARTH), THEN PLACE INTO A CHEMICAL WASTE CONTAINER. PROVIDE VENTILATION. UREA



Vapor Pres:79MMHG Vapor Density:>1 Spec Gravity:1.0 pH:NOT AVAILABLE Viscosity:NOT AVAILABLE Evaporation Rate &am



- SARA Title III Information:SARA SECTION 302 9RQ): CAS# 50-00-0: FINAL RQ = 100 POUNDS (45.4 KG). CAS# 7558-79-4: RQ = 5000 LBS. SECTION 302 (TPQ): CAS# 50-00-0: TPQ = 500 LBS. SARA CODES: ACUTE, CHRONIC. SECTION 313: THIS MATER IAL CONTAINS FORMALDEHYDE (CAS# 50-00-0, 3.8 %), WHICH IS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 SARA TITLE III AND 40 CFR PART 373. CLEAN AIR ACT: CAS # 50-00-0 IS LISTED AS A HAZARDOU S AIR POLLUTANT (HAP). THIS MATERIAL DOES
- NOT CONTAIN ANY CLASS 1 OR CLASS 2 OZONE DEPLETORS. CLEAN WATER ACT: CAS # 50-00-0 AND CAS # 7558-79-4 ARE LISTED AS HAZARDOUS SUBSTANCES UNDER THE CWA.
- Federal Regulatory Information:OSHA: CAS# 50-00-0 IS CONSIDERED HIGHLY HAZARDOUS BY OSHA. TSCA (TOXIC SUBSTANCES CONTROL ACT): ALL INGREDIENTS ARE LISTED.
- State Regulatory Information: FORMALDEHDYE CAN BE FOUND ON THE FOLLOWING STATE RIGHT TO KNOW LISTS: CALIFORNIA, NEW JERSEY, FLORIDA, PENNSYLVANIA, MINNESOTA, MASSACHUS
- ETTS. SODIUM PHOSPHATE, DIBASIC
 - CAN BE FOUND ON THE FOLLOWING S TATE RIGHT TO KNOW LISTS: CALIFORNIA, NEW JERSEY, PENNSYLVANIA, MASSACHUSETTS. WARNING! THIS PRODUCT CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER. CALIFORNIA NO SIGNIFICANT RIS K LEVEL: CAS# 50-00-0: NO SIGNIFICANT RISK LEVEL = 40 UG/DAY.

============ Other Information ==============================

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mation is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.