View NSN Online: https://aerobasegroup.de/nsn/6550-01-416-4358

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

Stat e: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 PROV

IDED

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 #:ZC01100

00

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 BLISTERIN

G, 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:FORMA LDEHYDE

Effects of Overexposure:EYE: MAY CAUSE SEVERE IRRITATION. 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 BREAT

H, SENSITIZATION.

Medical Cond Aggravated by Exposure: NOT PROVIDED

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 M

ILK/ WATER. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. 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.

========== Fire Fighting Measures ===========================

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 PLAC

E INTO A CHEMICAL WASTE CONTAINER. PROVIDE VENTILATION.
UREA BASED MATERIALS ARE AVAILABLE WHICH CAN BE USED TO BIND THE FORMALDEHYDE FORMING A POLYMER.

Neutralizing Agent: UREA BASED MATERIALS

============ Handling and Storage ===============

Handling and Storage Precautions:STORE IN A TIGHTLY CLOSED CONTAINER. STORE IN A COOL, DRY, WELL-VENTILATED AREA AWAY FROM INCOMPATIBLE EXPOSURE LIMITS.

Other Precautions: WASH THOROUGHLY AFTER HANDLING. WASH HANDS BEFORE

EATING. REMOVE CONTAMINATED CLOTHING AND WASH BEFORE REUSE. USE ONLY IN A WELL VENTILATED AREA. AVOID CONTACT WITH EYES, SKIN AND CLOTHING. KEEP CONTA INER TIGHTLY CLOSED. DO NOT INGEST OR INHALE.

===== Exposure Controls/Personal Protection ========

Respiratory Protection: FOLLOW OSHA RESPIRATOR REGULATIONS FOUND IN 29CFR1910.134 OR EUROPEAN STANDARD EN149. ALWAYS USE A NIOSH OR EUROPEAN STANDARD EN 149 APPROVED RESPIRATOR WHEN NECESSARY.

Ventilation: USE ADEQ

UATE GENERAL OR LOCAL EXHAUST VENTILATION TO KEEP AIRBORNE CONCENTRATIONS BELOW PERMISSIBLE EXPOSURE LIMITS.

Protective Gloves: APPROPRIATE PROTECTIVE GLOVES

Eye Protection:PROTECTIVE EYEGLASSES OR CHEMICAL SAFETY GOGGLES Other Protective Equipment:WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT SKIN EXPOSURE.

Work Hygienic Practices: NOT PROVIDED

Supplemental Safety and Health

CONTD FROM PROD

ID:230-(11120,23798,23799,26783,27274,28865,28866,29973,31092,32059

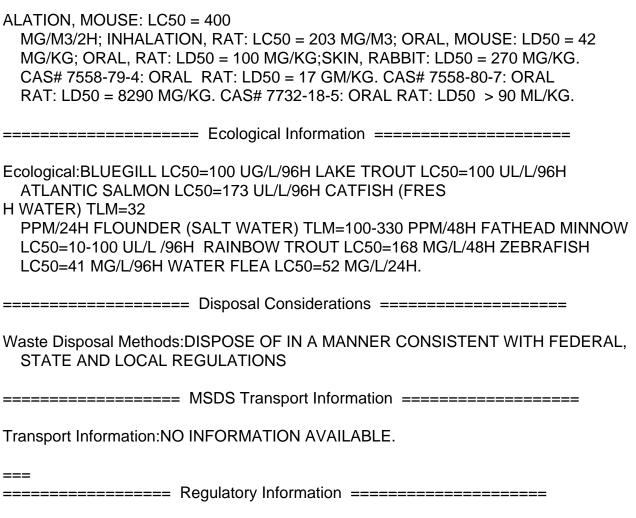
32060,32061,320

62,35159,36223,36225,36226,37238,37239,38528,45111,4 5112,45149,46785,46986, 46988,47002),23111-(004, 005,008,114,123),232-(45684,45685,45864,45865,53998,69627,69628,862 00,86603),23305510,2331-(4264,4499,6153,6154,6155...) ======== Physical/Chemical Properties =========== HCC:N1 NRC/State Lic Num: NOT RELEVANT Boiling Pt:=102.C, 215.6F Melt/Freeze Pt:M.P/F.P Text:NOT AVAILABLE Decomp Temp:Decomp Text:NOT AVAILABLE Vapor Pres:79MMHG Vapor Density:>1 Spec Gravity:1 .0 pH:NOT AVAILABLE Viscosity: NOT AVAILABLE Evaporation Rate & Description Rate & Reference: SIMILAR TO WATER Solubility in Water: COMPLETE Appearance and Odor: COLORLESS LIQUID; CHARACTERISTIC ODOR Percent Volatiles by Volume: NOT PROVIDED Corrosion Rate: NOT PROVIDED ======== Stability and Reactivity Data ========== Stability Indicator/Materials to Avoid:YES HYDROGEN PEROXIDE, MAGNESIUM CARBONATE HYDROXIDE, NITROGEN DIOXIDE, NITROMETHANE, PEROXYFORMIC ACID, PERSHLORIC ACID+ANILINE, PERFORM IC ACID, PHENOL, POTASSIUM PERMANGANATE. REACTS WITH HYDROGEN CHLORIDE IN HUMID AIR TO PRO Stability Condition to Avoid: INCOMPATIBLE MATERIALS, IGNITION SOURCES, ACIDS, REDUCING AGENTS, OXIDIZERS, BASES. Hazardous Decomposition Products: CARBON MONOXIDE, CARBON DIOXIDE, **OXIDES OF CARBON** Conditions to Avoid Polymerization: POLYMERIZATION AT LOW TEMPERATURES

MAY OCCUR.

======== Toxicological Information ============

Toxicological Information: CAS# 50-00-0: INH



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 LI

- STED 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: CALIFOR

NIA, NEW JERSEY, FLORIDA,

PENNSYLVANIA, MINNESOTA, MASSACHUSETTS. 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.

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ed with this information by the compiling agencies):

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