

BACHARACH INC -- SENSOR,02 'R' CELL,51-7348

=====  
MSDS Safety Information  
=====

FSC: 6665  
NIIN: 01-353-4882  
MSDS Date: 04/10/2000  
MSDS Num: CLMNH  
Product ID: SENSOR,02 'R' CELL,51-7348  
MFN: 03  
Article: Y  
Responsible Party  
Cage: 05083  
Name: BACHARACH INC  
Address: 625 ALPHA DRIVE  
City: PITTSBURG PA  
15238  
Info Phone Number: 412-963-2000  
Emergency Phone Number: 412-963-2000/800-424-9300(CHEMTREC)  
Preparer's Name: UNKNOWN  
Chemtrec IND/Phone: (800)424-9300  
Published: Y

=====  
Contractor Summary  
=====

Cage: 05083  
Name: BACHARACH INC  
Address: 625 ALPHA DRIVE  
City: PITTSBURGH PA 15238  
Phone: 412-963-2130

=====  
Item Description Information  
=====

Item Manager: S9G  
Item Name: DETECTING CELL,CHEMICAL AGENT  
Specification Number: NONE  
Type/Grade/Class: NONE  
Unit of Issue: EA  
UI Container Qty: 1  
Type of Container: SENSOR

=====  
Regulated Components  
=====

Regulated Component Name: POTASSIUM HYDROXIDE  
CAS: 1310-58-3  
Percent Text: 1-10%  
Regulated Component Name: NON-HAZARDOUS INGREDIENTS  
Percent Text:

90-99%

=====  
Health Hazards Data  
=====

LD50 LC50 Mixture: LD50 (ORAL, RAT) FOR KOH 273 MG/KG

Route Of Entry Inds - Inhalation: YES

Skin: YES

Ingestion: YES

Carcinogenicity Inds - NTP: NO

IARC: NO

OSHA: NO

Effects of Exposure: SEALED PLASTIC SENSOR CONTAINING 7 CC OF POTASSIUM HYDROXIDE. CONTACT WITH CAUSTIC SOLUTION CONTAINED INSIDE THE SENSOR MAY CAUSE BURNS TO THE EYES AND SKIN. EYE: CONTACT WITH CAUSTIC SOLUTION WILL CAUSE SEVERE BURNS AND DAMAGE. SKIN: CONTACT WITH CAUSTIC SOLUTION WILL CAUSE SEVERE SKIN BURNS. INHALATION: INHALATION OF CAUSTIC MIST CAN CAUSE RESPIRATORY AND EYE IRRITATION, DIFFICULTY BREATHING, HEADACHE, NAUSEA, AND WEAKNESS. SEVERE OVEREXPOSURE MAY CAUSE PULMONARY EDEMA. INGESTION: INGESTION OF CAUSTIC SOLUTION WILL CAUSE SEVERE BURNS TO THE MOUTH AND GASTROINTESTINAL TRACT. SEE SUPPLEMENTAL DATA.

Explanation Of Carcinogenicity: NONE

Signs And Symptoms Of Overexposure: CONTACT WITH CAUSTIC SOLUTION CONTAINED INSIDE THE SENSOR MAY CAUSE BURNS TO THE EYES AND SKIN. EYE: CONTACT WITH CAUSTIC SOLUTION WILL CAUSE SEVERE BURNS AND DAMAGE. SKIN: CONTACT WITH CAUSTIC SOLUTION WILL CAUSE SEVERE SKIN BURNS. INHALATION: INHALATION OF CAUSTIC MIST CAN CAUSE RESPIRATORY AND EYE IRRITATION, DIFFICULTY BREATHING, HEADACHE, NAUSEA, AND WEAKNESS. SEVERE OVEREXPOSURE MAY CAUSE PULMONARY EDEMA. INGESTION: INGESTION OF CAUSTIC SOLUTION WILL CAUSE SEVERE BURNS TO THE MOUTH AND GASTROINTESTINAL TRACT. SEVERE IRRITATION, SEVERE BURNS, PAIN, DIFFICULTY BREATHING, HEADACHE, NAUSEA, WEAKNESS, PULMONARY EDEMA.

Medical Condition Aggravated By Exposure: NONE UNDER CONDITIONS OF USE.

First Aid: EYE: IMMEDIATELY FLUSH WITH WATER FOR 20 MINUTES, LIFTING THE UPPER AND LOWER LIDS. GET IMMEDIATE MEDICAL ATTENTION. SKIN: IMMEDIATELY FLUSH WITH WATER WHILE REMOVING CONTAMINATED CLOTHING. WASH THOROUGHLY WITH SOAP AND WATER. LAUNDER CLOTHING BEFORE REUSE. GET MEDICAL ATTENTION IF IRRITATION PERSISTS. INHALATION: IF IRRITATION DEVELOPS, REMOVE VICTIM TO FRESH AIR AND GET MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS OR CONVULSING PERSON. IMMEDIATELY DILUTE WITH 1-2 GLASSES OF WATER. GET IMMEDIATE MEDICAL ATTENTION.

=====  
Handling and Disposal  
=====

Spill Release Procedures:

AVOID CONTACT WITH CAUSTIC SOLUTION. LEAKAGE IS RARE UNLESS SNSOR IS CRUSHED. IF LEAK OCCURS, DILUTE WITH WATER, NUTRALIZE WITH ACETIC ACID AND FLUSH TO SEWER.

Neutralizing Agent: ACETIC ACID

Handling And Storage Precautions: THIS SENSOR IS SEALED WITH A MEMBRANE THAT ALLOWS GAS TO PASS THROUGH BUT KEEP THE LIQUID INSIDE, HANDLE GENTLY WHEN OPENING PACKAGES AND INSTALLING CELL IN THE INSTRUMENT. DO NOT PUNCUTRE THE CELL ME MBRANE AS POTASSIUM HYDROXIDE MAY BE RELEASED. STORE IN A COOL , DRY LOCATION. AVOID CRUSHING PACKAGE

Other Precautions: KEEP SENSORS AWAY FROM CHILDREN.

=====  
Fire and Explosion Hazard Information  
=====

Flash Point Text: NONE

Extinguishing Media: USE ANY MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures: FIREFIGHTERS SHOULD WEAR NIOSH-APPROVED POSITIVE PRESSURE SELF CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING FOR ALL FIRE

S INVOLVING CHEMICALS.

Unusual Fire/Explosion Hazard: NONE.

=====  
Control Measures  
=====

Respiratory Protection: NONE REQUIRED.

Ventilation: NO SPECIAL VENTILATION IS REQUIRED.

Protective Gloves: USE RUBBER GLOVES WHEN HANDLING SENSOR.

Eye Protection: SAFETY GLASSES OR GOGGLES RECOMMENDED WHEN HANDLING SENSOR.

Other Protective Equipment: NONE REQUIRED.

Supplemental Safety and Health: HEALTH HAZAR

D CONT: CHRONIC: THIS SENSOR IS SEALED AND UNDER NORMAL CONDITIONS THERE IS NO EXPOSURE TO CAUSTIC SOLUTION. POTASSIUM HYDROXIDE HAS NO KNOWN CHRONIC HEALTH EFFECTS..

=====  
Physical/Chemical Properties  
=====

HCC: B1

NRC/State LIC No: NOT RELEVANT

PH: 14

Viscosity: UNKNOWN

Evaporation Rate & Reference: UNKNOWN

Appearance and Odor: SEALED PLASTIC SENSOR CONTAINING 7 CC OF POTASSIUM HYDROX

IDE

Corrosion Rate: UNKNOWN

=====  
Reactivity Data  
=====

Stability Indicator: YES

Materials To Avoid: POTASSIUM HYDROXIDE REACTS WITH ACIDS, ALUMINUM, TIN, ZINC, CHLORINATED HYDROCARBONS, ACETONE AND ORGANIC MATERIALS.

Hazardous Decomposition Products: BURNING PLASTIC MAY GIVE OFF OXIDES OF CARBON AND VARIOUS HYDROCARBON. THERMAL DECOMPOSITION MAY YIELD POTASSIUM OXIDE.

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization: WILL NOT OCCUR.

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

Toxicological Information: ACUTE TOXICITY DATA: POTASSIUM HYDROXIDE: LD50 ORAL RAT: 273 MG/KG. IRRITANCY DATA: THE CAUSTIC SOLUTION IS CORROSIVE.

SENSITIZATION: NONE OF THE COMPONENTS HAVE BEEN REPORTED TO CAUSE SENSITIZATION IN HUMANS OR ANIMALS. REPRODUCTIVE TOXICITY: NONE OF THE COMPONENTS HAVE BEEN REPORTED TO CAUSE REPRODUCTIVE TOXICITY IN HUMANS OR ANIMALS.

TERATOGENICITY: NONE OF THE COMPONENTS IS KNOWN TO CAUSE BIRTH DEFECTS IN ANIMALS OR HUMANS. MUTAGENICITY: POTASSIUM HYDROXIDE HAS BEEN FOUND TO BE MUTAGENIC IN SOME TEST SYSTEMS. SYNERGISTIC EFFECTS: THERE ARE NO CHEMICALS KNOWN TO CAUSE ADDITIVE TOXIC EFFECTS.

=====  
Ecological Information  
=====

Ecological Information:

THE ECOLOGICAL EFFECTS OF THIS PRODUCT HAVE NOT BEEN EVALUATED.

=====  
MSDS Transport Information  
=====

Transport Information: NOT REGULATED FOR TRANSPORTATION- SMALL QUANTITIES OF CORROSIVES LESS THAN 30 MILLILITERS ARE EXPECTED UNDER 40 CFR 173.4. DOT LABEL REQUIRED: SMALL QUANTITY EXCEPTION LABEL. IATA SHIPPING NAME: NOT REGULATED. IATA LABEL REQUIRED: N/A

=====  
Regulatory Information  
=====

SARA Title III Information: SARA 311/312: HAZARD CATEGORIES FOR SARA SECTION 311/312 REPORTING: NONE (ARTICLE).

SARA 313: THIS PRODUCT CONTAINS THE FOLLOWING CHEMICALS SUBJECT TO ANNUAL REPORTING REQUIREMENTS UNDER SARA SECTION 313 (40 CFR 372): NONE (ARTICLE)

Federal Regulatory Information: CERCLA SECTION 103 REPORTING QUANTITY: 41666 LBS (POTASSIUM HYDROXIDE-1000). CALIFORNIA PROP

POSITION 65: THIS PRODUCT CONTAINS  
THE FOLLOWING SUBSTANCES KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER A  
ND/OR REPORTING HARM: NONE.US TOXIC SUBSTANCE ACT: THIS PRODUCT IS  
MANUFACTURED ARTICLE AND IS EXEMPT FROM TSCA REGULATIONS.

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

Other Information: NFPA HAZARD RATING; HEALTH:1. FIRE:0. REACTIVITY:0  
=====

Tr  
ansportation Information  
=====

Responsible Party Cage: 05083  
Trans ID NO: 159029  
Product ID: SENSOR,02 'R' CELL,51-7348  
MSDS Prepared Date: 04/10/2000  
Review Date: 09/25/2001  
MFN: 3  
Multiple KIT Number: 0  
Unit Of Issue: EA  
Container QTY: 1  
Type Of Container: SENSOR  
=====

Detail DOT Information  
=====

DOT PSN Code: ZZZ  
DOT Proper Shipping Name: NOT  
REGULATED BY THIS MODE OF TRANSPORTATION  
=====

Detail IMO Information  
=====

IMO PSN Code: ZZZ  
IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION  
=====

Detail IATA Information  
=====

IATA PSN Code: ZZZ  
IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION  
=====

Detail AFI Information  
=====

AFI PSN Code: ZZZ  
AFI Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION  
=====

HAZCOM Label  
=====

Product ID: SENSOR,02 'R' CELL,51-7348  
Cage: 05083  
Company Name: BACHARACH INC  
Street: 625 ALPHA DRIVE  
City: PITTSBURGH PA  
Zipcode: 15238  
Health Emergenc

y Phone: 412-963-2000/800-424-9300(CHEMTREC)

Label Required IND: Y

Date Of Label Review: 09/25/2001

Status Code: A

Origination Code: F

Eye Protection IND: YES

Skin Protection IND: YES

Signal Word: CAUTION

Respiratory Protection IND: YES

Health Hazard: Slight

Contact Hazard: Slight

Fire Hazard: None

Reactivity Hazard: None

Hazard And Precautions: SEALED PLASTIC SENSOR CONTAINING 7 CC OF POTASSIUM HYDROXIDE. CONTACT WITH CAUSTIC SOLUTION CONTAINED INSIDE THE SENSOR MAY CAUSE BURNS TO THE EYES

AND SKIN. EYE: CONTACT WITH CAUSTIC SOLUTION WILL CAUSE SEVERE BURNS AND DAMAGE. SKIN: CONTACT WITH CAUSTIC SOLUTION WILL CAUSE SEVERE SKIN BURNS. INHALATION: INHALATION OF CAUSTIC MIST CAN CAUSE RESPIRATORY AND EYE IRRITATION, DIFFICULTY BREATHING, HE ADACHE, NAUSEA, AND WEAKNESS. SEVERE OVEREXPOSRE MAY CAUSE PULMONARY EDEMA. INGESTION: INGESTION OF CAUSTIC SOLUTION WIL CAUSE SEVERE BURNS TO THE MOUTH AND GASTROINTESTINAL TRACT. SEE SUPPLEMENTAL DA TA.

=====  
=====

Disclaimer (provided with this information by the compiling agencies): This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever expressly or implied warrants, states, or intends said information to have any application, use or viability by or to any person or persons outside the Department of Defense nor any person or persons contracting with any instrumentality of the United State

s of America and disclaims all liability for such use. Any person utilizing this instruction who is not a military or civilian employee of the United States of America should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation regardless of similarity to a corresponding Department of Defense or other government situation.