

MATERIAL SAFETY DATA SHEET

SENSOREX CORPORATION
11751 Markon Drive
Garden Grove, CA 92841

PREPARATION DATE: 31 August 1999

Information Phone Number: 714-895-4344

NFPA HAZARD RATINGS

HEALTH: 0 FLAMMABILITY: 0
REACTIVITY: 0 SPECIAL HAZARDS: N/A

SECTION I - GENERAL INFORMATION

CATALOG NUMBER: B104
CHEMICAL NAME: BUFFER SOLUTION, pH4
TRADE NAME: N/A
CAS. NUMBER: N/A
CHEMICAL FAMILY: INORGANIC SOLUTION

FORMULA: WATER SOLUTION
(99+% H2O) of Buffer Salts
MOLECULAR WEIGHT: N/A
DOT SHIPPING NAME: N/A
DOT NUMBER: N/A

SECTION II - HAZARDOUS INGREDIENTS

NONE OTHER THAN SPECIFIED PRODUCT.

SECTION III- PHYSICAL DATA

BOILING POINT (C 760 MM HG): 100C
MELTING POINT (C): N/A
SPECIFIC GRAVITY (H2O = 1): 1.00
VAPOR PRESSURE (MM HG): N/A
PERCENT VOLATILE BY VOL. (%): 99

PERCENT VOLATILE BY VOL (%): 99+
VAPOR DENSITY (AIR+1): N/A
EVAPORATION RATE (BUAC=1): N/A
SOLUBILITY IN WATER (%): MISCIBLE
APPEARANCE AND ODOR: YELLOW
ODORLESS LIQUID

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (F): NONCOMBUSTIBLE
FLAMMABLE LIMITS LEL (%): N/A
FLAMMABLE LIMITS UEL (%): N/A
FIRE ELPL. HAZARDS: NONE

EXTINGUISHING MEDIA: ANY SUITABLE
FOR OTHER MATERIALS INVOLVED
FIRE FIGHTING PROCEDURE: NONE

SECTION V-HEALTH HAZARD DATA (ACUTE AND CHRONIC)

ACGIH TLV/OSHA PEL (TWA) & PEL: NONE ESTABLISHED

TOXICITY DATA: N/A

SYMPTOMS OF EXPOSURE: MAY CAUSE EYE IRRITATION ON CONTACT.

MEDICAL COND. AGGRAVATED BY EXP: DATA NOT AVAILABLE.

ROUTES OF ENTRY: INHALATION, INGESTION OR SKIN CONTACT.

CARCINOGENICITY: SEE COMMENTS SECTION XI IF NO INFORMATION
APPEARS, THE MATERIAL IS NOT LISTED AS A CANCER CAUSING AGENT.

EMERGENCY FIRST AID: GET MEDICAL ASSISTANCE IF ANY ADVERSE EFFECTS
DEVELOP.

SKIN: WASH WITH SOAP AND WATER THOROUGHLY

EYES: FLUSH THROUGHLY WITH WATER

INGESTION: IF CONSCIOUS, INDUCE VOMITING

* Upper Marlboro plant only *

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REACTIVITY: 0 SPECIAL HAZARDS: N/A

SECTION I - GENERAL INFORMATION

CATALOG NUMBER: B107 FORMULA: WATER SOLUTION
CHEMICAL NAME: BUFFER SOLUTION, pH7 (99+% H2O) of Buffer Salts
TRADE NAME: N/A MOLECULAR WEIGHT: N/A
CAS. NUMBER: N/A DOT SHIPPING NAME: N/A
CHEMICAL FAMILY: INORGANIC SOLUTION DOT NUMBER: N/A

SECTION II - HAZARDOUS INGREDIENTS

NONE OTHER THAN SPECIFIED PRODUCT.

SECTION III PHYSICAL DATA

BOILING POINT (C 760 MM HG): 100C PERCENT VOLATILE BY VOL (%): 99+
MELTING POINT (C): N/A VAPOR DENSITY (AIR+1): N/A
SPECIFIC GRAVITY (H2O = 1): 1.00 EVAPORATION RATE (BUAC=1): N/A
VAPOR PRESSURE (MM HG): N/A SOLUBILITY IN WATER (%): MISCIBLE
PERCENT VOLATILE BY VOL. (%): 99 APPEARANCE AND ODOR: YELLOW
ODORLESS LIQUID

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (F): NONCOMBUSTIBLE EXTINGUISHING MEDIA: ANY SUITABLE
FLAMMABLE LIMITS LEL (%): N/A FOR OTHER MATERIALS INVOLVED
FLAMMABLE LIMITS UEL (%): N/A FIRE FIGHTING PROCEDURE: NONE
FIRE ELPL. HAZARDS: NONE

SECTION V-HEALTH HAZARD DATA (ACUTE AND CHRONIC)

ACGIH TLV/OSHA PEL (TWA) & PEL: NONE ESTABLISHED
TOXICITY DATA: N/A
SYMPTOMS OF EXPOSURE: MAY CAUSE EYE IRRITATION ON CONTACT.
MEDICAL COND. AGGRAVATED BY EXP: DATA NOT AVAILABLE.
ROUTES OF ENTRY: INHALATION, INGESTION OR SKIN CONTACT.
CARCINOGENICITY: SEE COMMENTS SECTION XI IF NO INFORMATION
APPEARS, THE MATERIAL IS NOT LISTED AS A CANCER CAUSING AGENT.
EMERGENCY FIRST AID: GET MEDICAL ASSISTANCE IF ANY ADVERSE EFFECTS
DEVELOP.
SKIN: WASH WITH SOAP AND WATER THOROUGHLY
EYES: FLUSH THROUGHLY WITH WATER
INGESTION: IF CONSCIOUS, INDUCE VOMITING