

BUFFER SALTS PH 9 THRU PH 10, PHA-89

MSDS Number

CBXTG

National Stock Number

6810-00N072236

Product Name

BUFFER SALTS PH 9 THRU PH 10, PHA-89

Manufacturer

OMEGA ENGINEERING INC

Product Identification

Product ID:BUFFER SALTS PH 9 THRU PH 10, PHA-89

MSDS Date:01/28/1991

FSC:6810

NIIN:00N072236

MSDS Number: CBXTG

Responsible Party

OMEGA ENGINEERING INC

STAMFORD , CT 06907

US

Emergency Phone: 203-359-1660

Info Phone: 203-359-1660

Cage: 29907

Contractor

OMEGA ENGINEERING INC.

4047

STAMFORD, CT 06907-0047

US

203-359-1660

Cage: 29907

Ingredients

1); (SODIUM CARBONATE, ANHYDROUS)

CAS: 497-19-8

RTECS: VZ4050000

OSHA PELN/K

ACGIH TLV: 15 MG/M3 (MFR)

Hazards

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

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

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

Health Hazards Acute and Chronic:ACUTE:CAN BE HARMFUL IF SWALLOWED.

TESTS ON LABORATORY ANIMALS INDICATE MATERIAL MAY PRODUCE ADVERSE REPRODUCTIVE EFFECTS. SYMPS OF OVEREXP:INHALATION:CAUSES IRRITATION OF THE RESPIRATORY TRACT. SKIN: CAUSES SKIN IRRITATION. EYES:CAUSES EYEIRRITATION, MAY CAUSE EYE BURNS. SKIN ABSORP:MAY CAUSE SKIN (EFTS OF OVEREXP)

Explanation of Carcinogenicity:NOT RELEVANT

Effects of Overexposure:HLTH HAZS:IRRITATION. INGESTION:INGESTION CAN

SEVERELY DAMAGE MUCOUS MEMBRANES AND CAUSE PAIN, VOMITING, DIARRHEA AND CIRCULATORY COLLAPSE. CHRONIC: IRRITATING TO EYES, SKIN AND RESPIRATORY TRACT AND CAN BURN EYES. INGESTION CAN SEVERELY DAMAGE MUCOUS MEMBRANES AND CAUSE PAIN.

Medical Condition Aggravated by Exposure: CAN CAUSE SKIN, EYE AND RESPIRATORY IRRITATION.

First Aid

First Aid: GET MEDICAL ASSISTANCE FOR ALL CASES OF OVEREXPOSURE. EYE CONTACT: IMMEDIATELY FLUSH EYES THOROUGHLY FOR AT LEAST 15 MINUTES. SKIN CONTACT: IMMEDIATELY FLUSH WITH LARGE AMOUNTS OF WATER. INHALATION: REMOVE TO FRESH AIR; GIVE ARTIFICIAL RESPIRATION IF BREATHING HAS STOPPED. INGESTION: DO NOT INDUCE VOMITING; IF CONSCIOUS GIVE WATER FREELY AND GET MEDICAL ATTENTION.

Fire Fighting

Flash Point: NON-FLAMMABLE
Extinguishing Media: ANY MEDIA SUITABLE FOR SURROUNDING MATERIAL.
Fire Fighting Procedures: WEAR NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT.
Unusual Fire/Explosion Hazard: NONE, BUT AT 400C STARTS TO DECOMPOSE AND LOSE CO₂.

Accidental Release

Spill Release Procedures: SWEEP POWDER INTO CONTAINER. FLUSH SPILL AREA WITH WATER AND NEUTRALIZE BEFORE DISPOSAL. IF PREPARED BUFFER SOLUTION IS SPILLED, NEUTRALIZE AND MOP AREA.
Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

Handling

Handling and Storage Precautions: KEEP STORAGE CONTAINERS TIGHTLY CLOSED. STORE IN A COOL, DRY, WELL-VENTILATED AREA. STORE AWAY FROM MINERAL AND ORGANIC ACIDS.
Other Precautions: DO NOT BREATHE DUST. DO NOT GET INTO EYES. AVOID SKIN CONTACT. DO NOT TAKE INTERNALLY. AVOID MOISTURE OR PERSPIRATION CONTACT- WILL CAUSE CAUSTIC SODA.

Exposure Controls

Respiratory Protection: USE NIOSH APPROVED RESPIRATOR APPROPRIATE FOR EXPOSURE OF CONCERN.
Ventilation: NONE SPECIFIED BY MANUFACTURER.
Protective Gloves: IMPERVIOUS GLOVES.
Eye Protection: ANSI APPROVED CHEM WORKERS GOGGLES.
Other Protective Equipment: ANSI APPROVED EMERGENCY EYE WASH AND DELUGE SHOWER.
Work Hygienic Practices: WASH THOROUGHLY AFTER HANDLING.
Supplemental Safety and Health
NONE SPECIFIED BY MANUFACTURER.

Chemical Properties

Boiling Point: B.P. Text: DECOMPOSES
Melt/Freeze Point: M.P/F.P Text: 1564F, 851C
Specific Gravity: 2.53 (H₂O=1)
pH: 9-10
Solubility in Water: 22% BY WT @ 20C
Appearance and Odor: ODORLESS, WHITE GRANULAR POWDER.

Stability

Stability Indicator/Materials to Avoid: YES
ACIDS, ALUMINUM, FLUORINE, PHOSPHORUS PENTOXIDE.
Stability Condition to Avoid: CONTACT WITH STRONG ACIDS RESULTS IN VIOLENT REACTION. WITH CALCIUM HYDROXIDE IT FORMS IRRITATING CAUSTIC-SODA.
Hazardous Decomposition Products: CASEOUS CARBON DIOXIDE, NA₂O.

Disposal

Waste Disposal Methods: NEUTRALIZE BUFFER SOLUTIONS BEFORE DISPOSAL AND

DISPOSE AT AN "APPROVED SITE". NOTE:DISPOSE OF ALL WASTES IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

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