

## **BUFFER SALTS PH 9 THRU PH 10, PHA-99-10**

### **MSDS Number**

CBXTF

### **National Stock Number**

6810-00N072235

### **Product Name**

BUFFER SALTS PH 9 THRU PH 10, PHA-99-10

### **Manufacturer**

OMEGA ENGINEERING INC

### **Product Identification**

Product ID:BUFFER SALTS PH 9 THRU PH 10, PHA-99-10

MSDS Date:01/28/1991

FSC:6810

NIIN:00N072235

MSDS Number: CBXTF

### **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 Cond 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 CO\*2.

## 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 GOGGS .  
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 Pt:B.P. Text:DECOMPOSES  
Melt/Freeze Pt:M.P/F.P Text:1564F,851C  
Spec Gravity:2.53 (H\*20=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, NA\*2O.

## 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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