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## **TOWER TREATMENT 447**

### **MSDS Number**

BHCPW

### **National Stock Number**

6850-01-299-8838

### **Product Name**

TOWER TREATMENT 447

### **Manufacturer**

SKASOL INCORPORATED

### **Product Identification**

Product ID:TOWER TREATMENT 447

MSDS Date:02/27/1989

FSC:6850

NIIN:01-299-8838

MSDS Number: BHCPW

### **Responsible Party**

SKASOL INCORPORATED

40 CLEVELAND STREET

SAN FRANCISCO , CA 94103-4082

US

Emergency Phone: 415-826-1119/800-424-9300(CHEMTREC)

Info Phone: 415-431-5000

Preparer: DAVID MARCHMAN

Cage: 0JRJ9

### **Contractor**

SKASOL INCORPORATED

OAKLAND, CA 94607-1607

US

510-839-1000

Cage: 0JRJ9

### **Ingredients**

ZINC COMPOUNDS

POLYACRYLIC ACID

CAS: 9003-01-4

RTECS: AT4680000

HEDP (1-HYDROXYETHYLENE DIPHOSPHONIC ACID)

CAS: 2809-21-4

RTECS: SZ8562100

### **Hazards**

LD50 LC50 Mixture:LD50 (ORAL RAT) IS

Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO



Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ON THE BASIS OF AVAILABLE  
INFORMATION,EXPOSURE IS NOT EXPECTED TO CAUSE ANY SIGNIFICANT  
HEALTH EFFECT.

Explanation of Carcinogenicity:NONE OF THE COMPOUNDS IN THIS PRODUCT IS  
LISTED BY IARC, NTP, OR OSHA AS A CARCINOGEN.

Effects of Overexposure:EYES:BURNING. SKIN:IRRITATION. INHALATION:MINOR  
IRRITATION OF THE RESPIRATORY TRACT. INGESTION:SEVERE

HEARTBURN-LIKE SYMPTOMS,AND MAY LEAD TO NAUSEA.

Medical Cond Aggravated by Exposure:NONE NOTED.

## First Aid

First Aid:INHALATION:REMOVE TO FRESH AIR. RESUSCITATE IF NOT BREATHING.  
GET MEDICAL ATTENTION. EYES:IMMEDIATELY FLUSH WITH PLENTY OF WATER  
FOR 15 MINUTES HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION.  
SKIN:REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER. IF  
IRRITATION PERSISTS, GET MEDICAL ADVICE. INGESTION:DO NOT INDUCE  
VOMITING.IF CONSCIOUS,GIVE WATER OR SODIUM BICARBONATE SOLUTION.SEE  
DOCTOR IMMED.

## Fire Fighting

Flash Point:NONE

Extinguishing Media:USE CARBON DIOXIDE, FOAM, DRY CHEMICAL, OR WATER  
FOG.

Fire Fighting Procedures:AS FOR ANY CHEMICAL FIRE,FIREFIGHTERS SHOULD  
WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING.USE  
WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS.

Unusual Fire/Explosion Hazard:NONE.

## Accidental Release

Spill Release Procedures:NEUTRALIZE WITH DILUTE SODA ASH (SODIUM  
CARBONATE) SOLUTION.ABSORB IN INERT MATERIAL AND PLACE IN  
APPROPRIATE DISPOSAL CONTAINER.

Neutralizing Agent:20% SODIUM CARBONATE SOLUTION.

## Handling

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL VENTILATED  
AREA. KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE. PROTECT  
CONTAINERS FROM PHYSICAL DAMAGE.

Other Precautions:DO NOT TAKE INTERNALLY. DO NOT BREATHE MIST. AVOID  
PROLONGED OR REPEATED BREATHING OF VAPOR. AVOID CONTACT WITH EYES.  
USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING. FOR  
INDUSTRIAL USE ONLY.

## Exposure Controls

Respiratory Protection:IF VENTILATION DOES NOT MAINTAIN INHALATION  
EXPOSURES BELOW PEL(TLV), USE NIOSH/MSHA APPROVED ORGANIC VAPOR  
CARTRIDGE AND DUST/MIST PRE-FILTER RESPIRATORS AS PER CURRENT 29  
CFR 1910.134, INSTRUCTIONS/ WARNINGS AND NIOSH-RESPIRATOR  
SELECTION.

Ventilation:MECHANICAL (GENERAL) ROOM VENTILATION IS NORMALLY ADEQUATE.

Protective Gloves:NEOPRENE, NITRILE, VPC OR NATURAL RUBBER

Eye Protection:SAFETY GOGGLES WITH OPTIONAL FACE SHIELD

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER.

INDUSTRIAL-TYPE WORK CLOTHING AND APRON AS REQUIRED.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND  
RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR  
FOOTWEAR.

Supplemental Safety and Health

AVOID PROLONGED OR REPEATED EXPOSURE. DO NOT GET ON SKIN OR IN EYES. DO  
NOT BREATHE VAPORS OR MISTS.

## Chemical Properties

HCC:N1

Boiling Pt:B.P. Text:215F,102C

Spec Gravity:1.14

Solubility in Water:COMPLETE



Appearance and Odor: CLEAR YELLOW LIQUID. ORGANIC ODOR.

### **Stability**

Stability Indicator/Materials to Avoid: YES  
STRONG BASES.

Stability Condition to Avoid: NONE.

Hazardous Decomposition Products: CARBON MONOXIDE, CARBON DIOXIDE,  
INCOMPLETELY BURNED CARBON PRODUCTS.

### **Disposal**

Waste Disposal Methods: DISPOSAL SHOULD BE MADE IN ACCORDANCE WITH ALL  
APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.

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