

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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