

## **INHIBISOL**

### **MSDS Number**

BZQWQ

### **National Stock Number**

6850-00-874-0235

### **Product Name**

INHIBISOL

### **Manufacturer**

PENETONE CORP

### **Product Identification**

Product ID: INHIBISOL  
MSDS Date: 10/13/1993  
FSC: 6850  
NIIN: 00-874-0235  
MSDS Number: BZQWQ

### **Responsible Party**

PENETONE CORP

74 HUDSON AVE

TENAFLY, NJ 07670

US

Emergency Phone: 800-424-9300 (CHEMTREC)

Info Phone: 201-567-3000

Cage: 56881

### **Contractor**

PENETONE CORP

TENAFLY, NJ 07670

US

201-567-3000

Cage: 56883

### **Ingredients**

ETHANE, 1,1,1-TRICHLORO-; (1,1,1-TRICHLOROETHANE) (SARA

CAS: 71-55-6

RTECS: KJ2975000

Fraction By Weight: 95%

OSHA PEL350 PPM

ACGIH TLV: 350 PPM; 450 STEL

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

P-DIOXANE; (DIETHYLENE DIOXIDE) (SARA 313) (CERCLA)

CAS: 123-91-1

RTECS: JG8225000

Fraction By Weight: 5%

OSHA PEL100 PPM, S

ACGIH TLV: 25 PPM, S

EPA Report Quantity: 100 LBS

DOT Report Quantity: 100 LBS

100 MM @ 20C.

RTECS: 9999999VO

CHRONICALLY EXPOSED TO CHLOROCARBONS .

RTECS: 9999999ZZ

1,1,1-TRICHLOROETHANE OVEREXP. INCR

RTECS: 9999999ZZ

TO 1,1,1-TRICHLOROETHANE.

RTECS: 9999999ZZ

THIS PROD IS HVR THAN

RTECS: 9999999ZZ

1,1,1-TRICHLOROETHANE IS LISTED IN CLEAN WATER ACT AS

RTECS: 9999999ZZ

100

RTECS: 9999999ZZ

NATIONAL RESPONSE CENTER, 800-424-8802, & MAY BE

RTECS: 9999999ZZ

AT THE TIME OF DISPOSAL.

RTECS: 9999999ZZ

HCL &/OR PHOSGENE .

RTECS: 9999999ZZ

ALL WORK PERFORMED IN STORAGE VESSELS, POORLY

RTECS: 9999999ZZ

MECHANICAL VENTILATION IS RECOMMENDED.

RTECS: 9999999ZZ

RAINGEAR SHOULD BE WORN DEPENDING ON HOW

RTECS: 9999999ZZ

LIVER.

RTECS: 9999999ZZ

## Hazards

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:YES OSHA:NO  
Health Hazards Acute and Chronic:ACUTE:EYE CONT:SLIGHTLY IRRIT BUT DOES NOT INJURE TISS. SKIN:FREQUENT/PRLNG CONT MAY IRRIT & CAUSE DERM. LOW ORDER OF TOX. INHAL:HIGH VAP CONCS ARE IRRIT TO EYES & RESP TRACT, MAY CAUSE HDCHS, DIZZ, A NESTH, DROW, UNCON & OTHER CNS EFTS. BLOOD PRESS DEPRESS, CARDIAC SENSIT & VENTRICULAR ARRHY CAN RSLT (EFTS OF OVEREXP)  
Explanation of Carcinogenicity:P-DIOXANE:IARC MONOGRAPHS, SUPP, VOL 7, PG 201, 1987:GRP 2B. NTP 7TH ANNUAL RPT ON CARCINS, 1994:ANTIC TO BE (ING 16)  
Effects of Overexposure:HLTH HAZ:FROM EXPOS TO NEAR-ANESTH LEVELS (>1,000 PPM). INGEST:SM AMTS OF THIS LIQ MAY BE DRAWN INTO LUNGS BY EITHER SWALLOWING/VOMIT. THIS MAY CAUSE SEV & DELAYED HLTH EFTS SUCH AS INFLAMM OF LUNGS, INFECTION OF BRONCHI, CHEM PNEUM & PULMEDEMA. INGEST MAY CAUSE IRRIT OF DIGEST TRACT & DIARR.  
CHRONIC:PRLNG (SUPP DATA)  
Medical Cond Aggravated by Exposure:SKIN CONTACT MAY AGGRAVATE AN EXISTING DERMATITIS CONDITION.

## First Aid

First Aid:EYE:FLUSH W/LG AMTS OF WATER FOR AT LST 15 MINS. SEE MD IMMED. SKIN:FLUSH W/LG AMTS OF WATER. USE SOAP IF AVAIL. REMOVE CONTAM CLTHG & LAUNDER BEFORE REUSE. IF IRRIT DEVELOPS/PERSISTS, CONSULT MD. INH AL:REMOVE PERS TO FRESH AIR. ADMIN OXYG/ARTF RESP AS NEEDED. CALL MD IMMED. INGEST:DO NOT INDUCE VOMIT. GIVE PLENTY OF WATER/MILK. CALL MD IMMED. NOTES TO MD:NEVER ADMIN ADRENALINE FOLLOWING (ING 5)

## Fire Fighting

Flash Point Method:TCC  
Flash Point:NONE TO BOILING  
Lower Limits:7.5%  
Upper Limits:15%  
Extinguishing Media:EITHER ALLOW TO BURN OUT UNDER CONTROLLED CONDITIONS OR EXTINGUISH W/WATER, FOAM OR DRY CHEMICAL.  
Fire Fighting Procedures:USE NIOSH/MSHA APPROVED PRESSURE DEMAND SCBA & FULL PROTECTIVE EQUIPMENT . COOL EXPOSED CONTAINERS W/WATER SPRAY.  
Unusual Fire/Explosion Hazard:THERMAL DECOMPOSITION MAY INCLUDE HCL & PHOSGENE . CONTAINERS CAN RUPTURE & EXPLODE UNDER FIRE CONDITIONS DUE TO PRESSURE & VAPOR BUILDUP.

## Accidental Release

Spill Release Procedures:LAND SPILL:FOR SM SPILLS, USE ABSORB MATL SUCH AS TOWELS/ABSORB PWDRS. PUT ALL MATLS INTO PROPER WASTE DISP CNTNRS W/LIDS TIGHTLY COVERED. FOR LGR SPILLS, DIKE SPILL, RECOVER FREE LIQ & USE ABSORB MAT L TO DRY AREA. PUT ALL MATLS INTO APPROP (ING 7)  
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

## Handling

Handling and Storage Precautions:STORAGE TEMP:AMBIENT. DO NOT STORE >120F. KEEP AWAY FROM OPEN FLAMES, HOT GLOWING SURFS, ELEC ARCS & OTHER IGNIT SOURCES. DO NOT STORE IN ALUMINUM.  
Other Precautions:DO NOT STORE NEAR STRONG OXIDANTS. KEEP AWAY FROM

FOOD. DO NOT MIST THIS PROD. USE COARSE SPRAY ONLY. NO SMOKING IN AREAS OF USE. DO NOT USE IN GEN VICIN OF ARC WELDING, OPEN FLAMES/HOT SURFS. HEAT &/ OR UV RADIA MAY CAUSE FORM OF (ING 12)

## Exposure Controls

Respiratory Protection:USE NIOSH/MSHA APPRVD HALF/FULL FACEPIECE ORG VAP CHEM CARTRIDGE/CANISTER RESP WHEN CONCS EXCEED PERMISSIBLE LIMS. USE NIOSH/MSHA APPRVD SCBA/FULL FACEPIECE AIRLINE RESP W/AUXILIARY SCBA OPERATED IN P RESS-DEMAND MODE FOR EMERS & FOR(ING 13)

Ventilation:NONE NEEDED UNDER NORMAL USE CNDTNS. FOR ENCLSD AREAS/WHERE LG AMTS OF PROD ARE BEING USED, USE OF FANS/OTHER (ING 14)

Protective Gloves:SOLVENT RESISTANT GLOVES.

Eye Protection:ANSI APPROVED CHEM WORKERS GOGGS .

Other Protective Equipment:EYE WASH FOUNTAIN & DELUGE SHOWER WHICH MEET ANSI DESIGN CRITERIA . RUBBER BOOTS, APRONS, GAUNTLETS OR (ING 15)

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

% VOLAT:100(WT). EFTS OF OVEREXP:EXPOS ABOVE OSHA PELS MAY RSLT IN LIVER DMG. CHLOROCARBON MATLS HAVE PRDCD SENSIT OF MYOCARDIUM TO EPINEPHRINE IN LAB ANIMALS & COULD HAVE SIMILAR EFT IN HUMANS.

ADREN OMIMETICS (E.G., EPINEPHRINE) MAY BE CONTRAINDICATED EXCEPT FOR LIFE-SUSTAINING USES IN HUMANS ACUTELY/ (ING 4)

## Chemical Properties

Boiling Pt:B.P. Text:165F,74C

Vapor Pres:100 @ 20C

Vapor Density:4.5

Spec Gravity:1.32

Evaporation Rate & Reference:0.1 (ACETONE=1)

Solubility in Water:INSOLUBLE

Appearance and Odor:CLEAR WATER WHITE LIQUID; HALOGENATED SOLVENT ODOR.

Percent Volatiles by Volume:SUPDAT

## Stability

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS, CAUSTIC POTASH OR CAUSTIC SODA & REACTIVE METALS (E.G. ALUMINUM, POTASSIUM, SODIUM, ETC).

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:HAZARDOUS COMBUSTION PRODUCTS: SMOKE, FUMES & OXIDES OF CARBON, HYDROGEN CHLORIDE & POSSIBLE TRACES OF PHOSGENE.

## Disposal

Waste Disposal Methods:DISP MUST BE I/A/W FED, STATE & LOC REGS.

FOLLOWING WASTE CLASSES MAY APPLY:D001 IGNITABLE HAZ WASTE; F001 SPENT HALOGENATED SOLV USED IN DEGREASING; F002 SPENT HALOGENATED SOLV. USER IS RESPONS IBLE FOR DETERMINING APPROP WASTE CATEGORY(ING 11)

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