

PENETONE CORP SUB OF WEST CHEMICAL PRODUCTS INC -- PENAIR HD-1, MIL-C-87937B, TYPE 1
-- 6850-01-390-7808

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===== Product Identification =====

Product ID: PENAIR HD-1, MIL-C-87937B, TYPE 1

MSDS Date: 03/16/1994

FSC: 6850

NIIN: 01-390-7808

MSDS Number: CDLWK

=== Responsible Party ===

Company Name: PENETONE CORP SUB OF WEST CHEMICAL PRODUCTS INC

Address: 74 HUDSON AVENUE

City: TENAFLY

State: NJ

ZIP: 07670-1017

Country: US

Info Phone Num: 201-567-3000

Emergency Phone Num: 201-567-3000 FAX: 201-569-5340

Preparer's Name: C. GOOD

CAGE: 56883

=== Contractor Identification ===

Company Name: PENETONE CORP

Address: 74 HUDSON AVE

Box: City: TENAFLY

State: NJ

ZIP: 07670

Country: US

Phone: 201-567-3000

CAGE: 56883

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===== Composition/Information on Ingredients =====

Ingred Name: D-LIMONENE

CAS: 5989-27-5

RTECS #: GW6360000

Fraction by Wt: 25-30%

Other REC Limits: NONE RECOMMENDED

Ingred Name: WATER

CAS: 7732-18

-5
RTECS #:ZC0110000
Other REC Limits:NONE RECOMMENDED

Ingred Name:SURFACTANTS
Other REC Limits:NONE RECOMMENDED

Ingred Name:COUPLING AGENTS
Other REC Limits:NONE RECOMMENDED

Ingred Name:VOLATILE ORGANIC CONTENT AS LISTED ON MSDS: 50 %.
RTECS #:9999999VC
Other REC Limits:NONE RECOMMENDED
OSHA PEL:NOT RELEVANT
ACGIH TLV:NOT RELEVANT

===== Hazards Identification =====

LD50 LC50 Mixture:PRODUCT'S LD50 (ORAL RAT) WAS NOT STATED
Routes of Entry: Inhalation:YES
Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:EYE:VAPOR/LIQUID MAY CAUSE IRRITATION.
PROLONGED &/OR REPEATED SKIN CONTACT MAY CAUSE DRY SKIN,
IRRITATION, DERMATITIS. HIGH VAPOR/AEROSOL CONCENTRATION MAY CAUSE
RESPIRATORY IRRITATION, CNS EFFECTS. INGESTION MAY CAUSE G/I
IRRITATION. CHRONIC:PROLONGED BREATHING MAY CAUSE RESPIRATORY
ITTITATION, KIDNEY/LIVER DAMAGE.
Explanation of Carcinogenicity:PENAIR HD-1 DOES NOT CONTAIN ANY
COMPONENT LISTED AS CARCINOGEN BY IARC, NTP, OSHA.
Effects of Overexposure:EYE:IRRITATION. SKIN:DRY SKIN, IRRITATION,
DERMATITIS. INHALATION:RESPIRATORY IRRITATION, HEADACHE, DIZZINESS,
ANDSTHESIA, DROWSINESS, UNCONSCIOUSNESS. INGESTION:G/I IRRITATION.
Medical Cond Aggravated by Exposure:SKIN CONTACT MAY AGGRAVATE AN
EXISTING DERMATITIS CONDITION.

===== First Aid Measures =====

First Aid:IF IRRITATION PERSISTS OR IS SEVERE, GE

T MEDICAL ATTENTION.

EYE:FLUSH W/WATER FOR 15 MIN. SKIN:WASH W/SOAP & WATER. REMOVE CONTAMINATED CLOTHING & LAUNDRER BEFORE REUSE. INHALED:REMOVE FROM EXPOSURE. A ID OR RESTORE BREATHING AS NEEDED. INGESTED:GIVE PLENTY OF MILK OR WATER TO DRINK. DO NOT INDUCE VOMITING, USE A STOMACH PUMP. GET IMMEDIATE MEDICAL ATTENTION.

===== Fire Fighting Measures =====

Flash Point Method:PMCC

Flash Point:125F,52C

Autoignition Temp:Autoignition Temp Text:N

/DETE

Lower Limits:N/DETERMINED

Upper Limits:N/DETERMINED

Extinguishing Media:EITHER ALLOW FIRE TO BURN OUT UNDER CONTROLLED CONDITIONS OR EXTINGUISH W/WATER, FOAM, DRY CHEMICAL.

Fire Fighting Procedures:EITHER ALLOW FIRE TO BURN OUT UNDER CONTROLLED CONDITIONS OR EXTINGUISH W/WATER, FOAM, DRY CHEMICAL. COOL EXPOSED CONTAINERS W/WATER SPRAY.

Unusual Fire/Explosion Hazard:CAN FORM FLAMMABLE MIXTURES AT OR ABOVE THE FLASH POINT. CONTAINERS CAN RUPTURE & EXPLODE UNDER FIRE CONDI

TIONS DUE TO PRESSURE & VAPOR BUILDUP.

===== Accidental Release Measures =====

Spill Release Procedures:LAND:REMOVE IGNITION SOURCES. USE ABSORBENT MATERIAL. PUT ALL MATERIAL IN WASTE DISPOSAL CONTAINER.

WATER:REMOVE BY SKIMMING OR SUITABLE ABSORBANTS. CONTAINS SURFACTYANTS WHICH CAUSE DISPERSION IN WAT ER. MAY CAUSE FISH KILL. CHECK LOCAL AGENCIES.

Neutralizing Agent:MFR GAVE NO INFORMATION OF MSDS.

===== Handling and Storage =====

Handling and Storage Precautions:DO NOT STROE AT TEMPERATURES

CONSISTANTLY ABOVE 120F OR BELOW 32F. IF PRODUCT FREEZES, THAW & MIX BEFORE USING.

Other Precautions:KEEP AWAY FROM ARTIFICIAL HEAT SOURCES, OPEN FLAMES & OTHER IGNITION SOURCES. DO NOT STORE NEAR STRONG OXIDANTS. DO NOT FOG THIS PRODUCT.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:IF VENTILATION IS INADEQUATE, USE AN ORGNIC VAPOR MASK.

Ventilatio

n:NONE NEEDED UNDER NORMAL CONDITIONS. USE FANS OR OTHER MECHANICAL (GENERAL) VENTILATION WHERE LARGE AMOUNTS ARE USED.
Protective Gloves:SOLVENT RESISTANT GLOVES.
Eye Protection:SAFETY GLASSES RECOMMENDED
Other Protective Equipment:OTHER PROTECTIVE GEAR SUCH AS GOGGLES, FACE SHIELD, RUBBER BOOTS, ETC. TO PROTECT FROM HAZARD OF JOB AT HAND.
Work Hygienic Practices:AVOID BREATHING FAPORS OR SPRAY.
Supplemental Safety and Health
NONE

===== Physical/Chemical Properties =====
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HCC:F4
NRC/State Lic Num:NONE
Boiling Pt:B.P. Text:212F,100C
Decomp Temp:Decomp Text:400F,204C
Vapor Pres:= WATER
Vapor Density:= WATER
Spec Gravity:0.95
pH:9.0
Evaporation Rate & Reference:EQUAL TO WATER, ACETONE=1
Solubility in Water:EMULSIFIES
Appearance and Odor:CLEAR AMBER LIQUID WITH CITRUS ODOR.
Corrosion Rate:UNKNOWNN

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES
STRONG OXIDIZING AGENTS.
Stability Condi
tion to Avoid:MFR GAVE NO INFORMATION OF MSDS.
Hazardous Decomposition Products:MFR GAVE NO INFORMATION OF MSDS.
Conditions to Avoid Polymerization:WILL NOT OCCUR.

===== Disposal Considerations =====

Waste Disposal Methods:D001 RCRA IGNITABLE WASTE.

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