

PENETONE CORP SUB OF WEST CHEMICAL PRODUCTS INC -- PENAIR HD-1,MIL-C-87937B,TYPE 1
-- 6850-01-390-7811

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

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

MSDS Date:03/16/1995

FSC:6850

NIIN:01-390-7811

MSDS Number: BVFPV

==== Responsible Party ====

Company Name:PENETONE CORP SUB OF WEST CHEMICAL PRODUCTS INC

Address:74 HUDSON AVENUE

City:TENAFLY

State:NJ

ZIP:07670-1017

Cou

ntry: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

Contract Num:SP0450-01-M-D318

CAGE:56883

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

Ingred Name:D-LIMONENE

CAS:5989-27-5

RTECS #:GW6360000

Minumum % Wt:25.

Maxumum % Wt:30.

Other REC Limits:NONE RECOM

MENDED

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

LD50 LC50 Mixture:ORAL LD50 (RAT) IS UNKNOWN.

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

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:EYE-MAY CAUSE IRRITATION ON PROLONGED CONTACT. HIGH VAPOR CONCENTRATIONS MAY BE IRRITATING.

SKIN-FREQUENT/PROLONGED CONTACT MAY IRRITATE/DRY SKIN, OR CAUSE DERMATITIS. INHALATION-HIGH VAPOR/AEROSOL CO NCENTRATIONS ARE

IRRITATING TO RESPIRATORY TRACT & MAY CAUSE CNS EFFECTS.

INGESTION-SMALL AMOUNTS OF THIS LIQUID MAY BE DRAWN INTO THE LUNGS BY EITHER SWALLOWING OR VOMITING. THIS MAY CAUSE SEVERE & D ELAYED HEALTH EFFECTS SUCH AS INFLAMMATION OF THE LUNGS & INFECTION OF THE BRONCHI. INGESTION MAY CAUSE IRRITATION OF DIGESTIVE TRACT.

CHRONIC:INFLAMMATION OF MUCOUS MEMBRAMES & RESPIRATORY TRACT MAY OCCUR UPON PROLONGED BREATHING OF MIST.

Explanation of Carcinogenicity:PENAIR HD-1 DOES NOT CONTAIN ANY

COMPONENT LISTED AS A CARCINOGEN BY IARC, NTP OR OSHA.

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

First Aid:EYE: FLUSH EYES WITH LARGE AMOUNT OF WATER. SEE PHYSICIAN IMMEDIATELY. SKIN: FLUSH SKIN WITH LARGE AMOUNT OF WATER. REMOVE CONTAMINATED CLOTHING AND LAUNDRER BEFORE REUSE. IF SKIN IRRITATION DEVELOPS O R PERSISTS, CONSULT PHYSICIAN. INHALATION: REMOVE PERSON TO FRESH AIR. ADMINISTER OXYGEN OR ARTIFICIAL RESPIRATION AS NEEDED.

CALL A PHYSICIAN IMMEDIATELY. INGESTION: IF SWALLOWED, GIVE PLENTY OF MILK OR WATER. DO NOT INDUCE VOMITING. USE A STOMACH PUMP. CALL A PHYSICIAN IMMEDIATELY.

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

Flash Point Method:PMCC

Flash Point:=52.C, 125.6F

Autoignition Temp:Autoignition Temp Text:NOT DE

Lower Limits:NOT DETERMIN

Upper Limits:NOT DETERMIN

Fire Fighting Procedures:EITHER ALLOW FIRE TO BURN OUT UNDER CONTROLLED CONDITIONS OR EXTINGUISH WITH WATER

, FOAM OR DRY CHEMICAL. COOL EXPOSED CONTAINERS WITH WATER SPRAY.
Unusual Fire/Explosion Hazard:COMBUSTIBLE LIQUID. CAN FORM FLAMMABLE MIXTURES AT OR ABOVE THE FLASH POINT. CONTAINERS CAN RUPTURE AND EXPLODE UNDER FIRE CONDITIONS DUE TO PRESSURE AND VAPOR BUILDUP.

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

Spill Release Procedures:LAND SPILL: ELIMINATE SOURCES OF IGNITION. FOR SMALL SPILL, USE ABSORBENT MATERIAL SUCH AS TOWELS OR ABSORBENT POWDERS.
PUT ALL MATERIAL INTO PROPER WASTE DISPOSAL CONTAINER WITH LID TIGHTLY COVERED. FOR LARGER SPILLS, CONTAIN SPILL, RECOVER FREE LIQUID & USE ABSORBENT MATERIAL TO DRY AREA. PUT ALL MATERIAL INTO APPROPRIATE WASTE CONTAINERS.

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

Handling and Storage Precautions:STORAGE TEMPERATURE, F: AMBIENT. DO NOT STORE AT TEMPERATURES CONSISTENTLY ABOVE 120F, OR BELOW 32F TO ENSURE PRODUCT INTEGRITY. IF PRODUCT FREEZES, THAW & MIX BEFORE USING. GENERAL: KEEP AWAY FROM ARTIFICIAL HEAT SOURCES, OPEN FLAMES, & OTHER IGNITION SOURCES. DO NOT STORE NEAR STRONG OXIDANTS. .
Other Precautions:WATER SPILL-REMOVE PRODUCT FROM WATER SURFACE BY SKIMMING OR WITH SUITABLE ABSORBENTS. THIS PRODUCT CONTAINS SURFACTANTS WHICH WILL CAUSE IT TO DISPERSE IN WATER. LOCALIZED HIGH CONCENTRATIONS OF THIS PRODUCT MAY CAUSE FISH KILLS, BUT NO PERSISTENT OR LONG TERM EFFECTS WILL RESULT. CHECK WITH LOCAL AGENCIES.

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

Respiratory Protection:NONE NORMALLY REQUIRED. IF PEL/TLV EXCEEDED, A NIOSH/MSHA APPROVED ORGANIC VAPOR MASK SHOULD BE USED.
Ventilation:NONE NEEDED UNDER NORMAL USE CONDITIONS. ADEQUATE VENTILATION MUST BE PROVIDED IN CONFINED AREAS.
Protective Gloves:SOLVENT RESISTANT GLOVES SHOULD BE USED.
Eye Protection:SAFETY GLASSES RECOMMENDED FOR WORKPLACE CONDITIONS
Other Protective Equipment:DEPENDING ON HOW THE PR

ODUCT IS USED, OTHER

PROTECTIVE GEAR, INCLUDING SPLASHPROOF GOGGLES OR FACE SHIELD,
RUBBER BOOTS, APRON, GAUNTLETS, OR RAINGEAR SHOULD BE WORN.

Supplemental Safety and Health

VENTILATION: FOR ENCLOSED WORK SPACES, OR WHERE LARGE AMOUNTS OF THE
PRODUCT ARE BEING USED, THE USE OF FANS OR OTHER MECHANICAL
VENTILATION IS RECOMMENDED. IF VENTILATION IS INADEQUATE, AN
ORGANIC VA POR MASK SHOULD BE USED. AVOID BREATHING OF VAPORS &
SPRAY MIST. USE COARSE SPRAY ONLY. DO NOT FOG T
HIS PRODUCT.

===== Physical/Chemical Properties =====

HCC:F4

Boiling Pt:=100.C, 212.F

Decomp Temp:=204.C, 399.2F

Vapor Pres:EQUAL TO WATER

Vapor Density:+WATER

Volatile Org Content %:50

Spec Gravity:0.95

pH:9.0

Evaporation Rate & Reference:EQUAL TO WATER.

Solubility in Water:EMULSIFIES

Appearance and Odor:CLEAR AMBER LIQUID. CITRUS ODOR.

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZ
ING AGENTS.

Stability Condition to Avoid:THIS PRODUCT IS STABLE AND HAZARDOUS
POLYMERIZATION WILL NOT OCCUR.

Hazardous Decomposition Products:SMOKE, FUMES, AND OXIDES OF CARBON.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

===== Toxicological Information =====

Toxicological Information:CHRONIC: INGESTION OF LARGE AMOUNTS OF
DIMONENE HAS CAUSED KIDNEY & LIVER DAMAGE IN MALE RATS BUT NOT IN
FEMALE RATS OR MICE OF BOTH SPECIES.

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Disposal Considerations =====

Waste Disposal Methods:RCRA HAZARD CLASS: D001 IGNITABLE HAZARDOUS WASTE.

===== MSDS Transport Information =====

Transport Information:DEPARTMENT OF TRANSPORTATION (DOT): PROPER SHIPPING NAME: COMBUSTIBLE LIQUID, N.O.S. (CONTAINS D-LIMONENE), HAZARD CLASS: COMBUSTIBLE LIQUID. IDENTIFICATION NUMBER: NA1993, PACKING GROUP: III. LABEL: NOT REQUIRED FOR NONBULK. INTERNATIONAL REGULATIONS: PROPER SHIPPING NAME: FLAMMABLE LIQUID, N.O.S. (CONTAINS D-LIMONENE). HAZARD CLASS: 3, IDENTIFICATION NUMBER: UN1993, PACKING GROUP: III. LABEL: FLAMMABLE. NOTE: INTERNATIONAL REGULATIONS MUST BE USED FOR ALL AIR & SEA-GOING VESSEL SHIPMENTS. FLASH POINT: 125F TCC, PH=9.0.

===== Regulatory Information =====

SARA Title III Information:311/312 HAZARD CATEGORIES: ACUTE HEALTH, CHRONIC HEALTH, FIRE. 313 REPORTABLE INGREDIENTS: DIETHYLENE GLYCOL MONO BUTYL ETHER CAS# 112-34-5, 10-15%.

Federal Regulatory Information:CERCLA: THIS PRODUCT DOES NOT CONTAIN ANY CERCLA REPORTABLE MATERIALS. CHECK WITH LOCAL AND STATE AUTHORITIES TO DETERMINE IF OTHER REPORTING REQUIREMENTS ARE APPLICABLE. RCRA HAZARD CLASS: D001 IGNITABLE HAZARDOUS WASTE. TSCA: THE INGREDIENTS IN THIS PRODUCT ARE LISTED ON THE TSCA INVENTORY.

State Regulatory Information:NEW JERSEY RIGHT-TO-KNOW INFORMATION: THIS PRODUCT CONTAINS WATER (CAS#7732-18-5), D-LIMONENE (CAS# 5989-27-5), POTASSIUM FATTY ACID SOAP (CAS# 61790-44-1), DIETHYLENE GLYCOL MONOBUTYL ETHER (CAS#112- 34-5), AND NONYLPHENOL ETHOXYLATE (CAS#9016-45-9). CALIFORNIA PROPOSITION 65 INFORMATION: THIS PRODUCT DOES NOT CONTAIN ANY CHEMICALS RECOGNIZED BY THE STATE OF CALIFORNIA TO CAUSE CANCER AND/OR BIRTH DEFECTS OR REPRODUCTIVE HARM.

===== Other Information =====

Disclaimer (provided with this information by the compiler)

ng agencies):

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