

PENETONE CORP -- PENAIR HD-1 RTU PUMP SPRAY -- 6850-01-461-0065

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Product Identification
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Product ID: PENAIR HD-1 RTU PUMP SPRAY

MSDS Date: 02/01/1999

FSC: 6850

NIIN: 01-461-0065

MSDS Number: CLFFN

=== Responsible Party ===

Company Name: PENETONE CORP

Address: 74 HUDSON AVE

City: TENAFLY

State: NJ

ZIP: 07870

Country: US

Info Phone Num: 201-567-3000

Emergency Phone Num: 201-567-3000

Resp. Party Other

MSDS Num.: 186485ML-901A

Preparer's Name: NOT PROVIDED

Chemtrec Ind/Phone: (800)424-9300

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-M242

CAGE: 56883

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-ZB21

CAGE: 56883

Company Name: PENETONE CORP

Address: 74 HUDSON AVE

Box: Cit

y:TENAFLY
State:NJ
ZIP:07670
Country:US
Phone:201-567-3000
Contract Num:SP0450-02-M-M090
CAGE:56883

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Composition/Information on Ingredients
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Ingred Name:D-LIMONENE
CAS:5989-27-5
RTECS #:GW6360000
Minumum % Wt:60.
Maxumum % Wt:75.
Other REC Limits:NOT PROVIDED

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Hazards Identification
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Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:EYE: MAY CAUSE IRRITATION ON PROLONGED CONTACT. H
IGH VAPOR CONCENTRATIONS MAY BE IRRITATING. SKIN:
FREQUENT OR PROLONGED CONTACT MAY IRRITATE OR DRY THE SKIN OR CAUSE DERMATITIS. INGESTION: SMALL AMOU NTS OF THIS LIQUID MAY BE DRAWN INTO THE LUNGS BY EITHER SWALLOWING OR VOMITING. THIS MAY CAUSE INFLAMMATION OF THE LUNGS AND INFECTION OF THE BRONCHI. INGESTION MAY CAUSE IRRITATION TO THE DIGESTIVE TRACT. INHALATION: HIGH VAPOR/AEROSOL CONCENTRATIONS ARE IRRITATING TO THE RESPIRATORY TRACT. CHRONIC: INFLAMMATION OF MUCOUS MEMBRANES AND RESPIRATORY TRACT MAY OCCUR UPON PROLONED BREATHING OF MIST.
Explanation of Carcinogenicity:NONE
Effects of Overexposure:INHALATION: HIGH VAPOR/AEROSOL CONCENTRATIONS ARE IRRITATING TO THE RESPIRATORY TRACT, AND MAY CAUSE HEADACHES, DIZZINESS, ANESTHESIA, DROWSINESS, UNCONSCIOUSNESS, AND OTHER CENTRAL NERVOUS SYSTEM EFF ECTS. CAN BE IRRITATING TO SKIN AND EYES.

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First Aid Measures
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First Aid:EYE: FLUSH EYE

S WITH LARGE AMOUNT OF WATER. SEE PHYSICIAN IMMEDIATELY. SKIN: FLUSH SKIN WITH LARGE AMOUNT OF WATER. REMOVE CONTAMINATED CLOTHING AND LAUNDRY BEFORE REUSE. IF SKIN IRRITATION DEVELOPS OR 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. CALL A PHYSICIAN IMMEDIATELY.

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=== Fire Fighting Measures =====

Flash Point Method:PMCC
Flash Point:=-51.7C, 125.F
Autoignition Temp:Autoignition Temp Text:N/D
Lower Limits:N/D
Upper Limits:N/D
Extinguishing Media:EITHER ALLOW FIRE TO BURN OUT UNDER CONTROLLED CONDITIONS OR EXTINGUISH WITH WATER, FOAM, OR DRY CHEMICAL.
Fire Fighting Procedures:EITHER ALLOW FIRE TO BURN OUT UNDER CONTROLLED CONDITIONS OR EXTINGUISH WITH WATER, FOAM, OR DRY CHEMICAL.
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 SPILLS, 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, AND USE ABSORBENT MATERIAL TO DRY AREA. PUT ALL MATERIAL INTO APPROPRIATE WASTE CONTAINERS. REPORT SPILLS TO AUTHORITIES AS REQUIRED.

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

Handling and Storage Precautions:STORAGE TEMPERATURE, F: AMBIENT. DO NOT STORE ABOVE 120F. KEEP FROM FREEZING. KEEP AWAY FROM HEAT SOURCES, OPEN FLAMES, AND OTHER IGNITION SOURCES. DO NOT STORE NEAR STRONG OXIDANTS.
Other Precautions:NOT PROVIDED

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Exposure Controls/Personal Protection
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Respiratory Protection:IF VENTILATION IS INADEQUATE, AN ORGANIC VAPOR MASK SHOULD BE USED. AVOID BREATHING OF VAPORS AND SPRAY MIST. USE COARSE SPRAY ONLY. DO NOT FOG THIS PRODUCT.

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 ARE RECOMMENDED FOR ALL WORKPLACE CONDITIONS.

Other Protective Equipment:DEPENDING ON HOW THE PRODUCT IS USED, OTHER PROTECTIVE GEAR, INCLUDING SPLASH PROOF GOGGLES OR FACE SHIELD, RUBBER BOOTS, APRON, GAUNTLETS, OR RAIN GEAR SHOULD BE WORN.

Work Hygienic Practices:NOT PROVIDED

Supplemental Safety and Health

FOR ENCLOSED WORK SPACES,OR WHERE LARGE AMOUNTS OF THE PRODUCT ARE BEING USED, THE USE OF FANS OR OTHER MECHANICAL VENTILATION IS RECOMMENDED.

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Physical/Chemical Properties
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HCC:F4

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:=100.C, 212.F

B.P. Text:ABOUT

Melt/Freeze Pt:M.P/F.P Text:NOT PROVIDED

Decomp Temp:Decomp Text:NOT PROVIDED

Vapor Pres:EQUAL TO WATER @ 20C

Vapor Density:< 1

Volatile Org Content %:10

Spec Gravity:0.99

pH:8-9

Viscosity:NOT PROVIDED

Evaporation Rate & Reference:EQUAL TO WATER(ACETONE=1)

Solubility in Water:EMULSIFIES

Appearance and Odor:SLIGHTLY CLOUDY AMBER LIQUID WITH CITRUS ODOR.

Percent Volatiles by Volume:NOT PROVIDED

Corrosion Rate:NOT PR

OVIDED

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Stability and Reactivity Data
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Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS.

Stability Condition to Avoid:STRONG OXIDIZING AGENTS.

Hazardous Decomposition Products:SMOKE, FUMES, OXIDES OF CARBON

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Toxicological Information
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Toxicological Information:INGESTION OF LARGE AMOUNTS OF D-LIMONENE HAS CAUSED KIDNEY AND LIVER DAMAGE IN MALE RATS BUT NOT IN FEMALE RATS OR MICE OF BOTH SPECIE

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Ecological Information
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Ecological:WATER SPILL: REMOVE PRODUCT FROM WATER SURFACE BY SKIMMING OR WITH SUITABLE ABSORBENT. THIS PRODUCT CONTAINS SURFACTANTS WHICH WILL CAUSE IT TO DISPERSE IN WATER. LOCALIZED HIGH CONCENTRATION OF THIS PRODUCT MAY CAUSE FISH KILLS, BUT NO PERSISTENT OR LONG TERM EFFECTS WILL RESULT. CHECK WITH LOCAL ENVIRONMENTAL REGULATORY AGENCIES FOR REPORTING REQUIREMENTS.

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

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MSDS Transport Information
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Transport Information:DEPARTMENT OF TRANSPORTATION (DOT): PROPER SHIPPING NAME: FLAMMABLE LIQUID, N.O.S. (CONTAINS D-LIMONENE). HAZARD CLASS: 3. IDENTIFICATION NUMBER: UN 1993. PACKING GROUP: III. LABEL: FLAMMABLE.

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Regulatory Information
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SARA Title III I

Information:311/312 HAZARD CATEGORIES: ACUTE HEALTH, CHRONIC HEALTH, FIRE. 313 REPORTABLE INGREDIENTS: DIETHYLENE GLYCOL MONOBUTYL ETHER CAS# 112-34-5, < 5 %. CERCLA: THIS PRODUCT DOES NOT CONTAIN ANY CERCLA REPORTABLE MATERIALS. CHECK WITH LOCAL AND STATE AUTHORITIES TO DETERMINE IF OTHER REPORTING REQUIREMENTS ARE APPLICABLE

Federal Regulatory Information: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: THIS PRODUCT CONTAINS WATER, D-LIMONENE, POTASSIUM FATTY ACID SOAP, DIETHYLENE GLYCOL MONOBUTYL ETHER AND NONPHENOL ETHOXYLATE. 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.

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Other Information
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information by the compiling agencies):

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