

PENETONE CORP -- PENAIR HD-1,MIL-C-87937B,TYPE 1 -- 6850-01-390-7808

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

MSDS Date: 06/30/1994

FSC: 6850

NIIN: 01-390-7808

MSDS Number: BVFPT

=== Responsible Party ===

Company Name: PENETONE CORP

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

,800-424-9300(CHEMTREC)

Preparer's Name: C. GOOD

CAGE: 56881

=== Contractor Identification ===

Company Name: PENETONE CORP

Address: 74 HUDSON

City: TENAFLY

State: NJ

ZIP: 07670-1017

Country: US

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CAGE: 56881

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Composition/Information on Ingredients  
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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 (TYPE NOT SPECIFIED)

Other REC Limits:NONE RECOMMENDED

Ingred Name:COUPLING AGENT (TYPE NOT SPECIFIED)

Other REC Limits:NONE RECOMMENDED

Ingred Name:VOLATILE ORGANIC CONTENT

RTECS #:9999999VO

Fraction by Wt: 50%

Other REC Limits:NONE RECOMMENDED

===== 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:ACUTE: EYES: IRRITATION. SKIN:

IRRITATION, DRYING, DERMATITIS. INHALATION: RESPIRATORY TRACT

IRRITATION, HEADACHE, DIZZINESS, ANESTHESIA, DROWSINESS,

UNCONSCIOUSNESS, OTHER CNS EFFECTS. INGESTION: IRRITATION OF

DIGESTIVE TRACT. CHRONIC: PROLONGED BREATHING OF MISTS MAY CAUSE

INFLAMMATION OF RESPIRATORY TRACT.

Explanation of Carcinogenicity:

NONE

Effects of Overexposure:EYES: IRRITATION. SKIN: IRRITATION, DRYING,

DERMATITIS. INHALATION: IRRITATION OF RESPIRATORY TRACT,HEADACHE,

DIZZINESS, ANESTHESIA, DROWSINESS, UNCONSCIOUSNESS, OTHER CNS

EFFECTS. INGESTION: IRRITATION OF DIGESTIVE TRACT

Medical Cond Aggravated by Exposure:MAY AGGRAVATE AN EXISTING

DERMATITIS CONDITION.

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

First Aid:EYES: FLUSH WITH LARGE AMOUNTS OF WATER. GET MEDICAL

ATTEN

TION. SKIN: REMOVE CONTAMINATED CLOTHING. FLUSH SKIN AREA WITH LARGE AMOUNTS OF WATER. IF IRRITATION DEVELOPS OR PERSISTS, GET MEDICAL ATTENTION. INHALATION: MOVE TO FRESH AIR. ADMINISTER OXYGEN OR CPR AS NEEDED. GET MEDICAL ATTENTION. INGESTION: GIVE PLENTY OF WATER. DO NOT INDUCE VOMITING. USE A STOMACH PUMP. GET MEDICAL ATTENTION.

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

Flash Point Method:PMCC

Flash Point:125F,52C

Extinguishing Media:WATER, FOAM, DRY CHEMICAL. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR. ALLOW FIRE TO BURN OUT UNDER CONTROLLED CONDITIONS OR EXTINGUISH WITH WATER/FOAM/DRY CHEMICAL.

Unusual Fire/Explosion Hazard:FLAMMABLE LIQUID. CAN FORM FLAMMABLE MIXTURES AT OR ABOVE FLASH POINT. CONTAINERS CAN RUPTURE/EXPLODE UNDER FIRE CONDITIONS DUE TO PRESSURE AND VAPOR BUILDUP.

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

Spill Release Procedures:ELIMINATE SOURCES OF IGNITION. VENTILATE AREA. CONTAIN SPILL. RECOVER FREE LIQUID. USE ABSORBENT MATERIAL TO REMOVE RESIDUAL SPILL AND TO DRY AREA. PLACE RESIDUE IN APPROPRIATE WASTE CONTAINER. REMOVE PRODUCT FROM WATER SURFACE BY SKIMMING OR ABSORBENT.

Neutralizing Agent:NONE

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

Handling and Storage Precautions:KEEP AWAY FROM HEAT, FLAME, IGNITION SOURCES AND

AWAY FROM STRONG OXIDANTS. DO NOT STORE AT TEMPERATURES CONSISTENTLY ABOVE 120F OR BELOW 32F.

Other Precautions:IF PRODUCT FREEZES, THAW AND MIX BEFORE USING. AVOID BREATHING OF VAPORS AND SPRAY MIST. USE COURSE SPRAY ONLY. DO NOT FOG THIS PRODUCT.

===== 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 NORMALLY REQUIRED. AD

EQUATE VENTILATION MUST BE

PROVIDED IN CONFINED AREAS OR WHERE LARGE AMOUNTS OF PRODUCT USED.

Protective Gloves: SOLVENT RESISTANT GLOVES RECOMMENDED.

Eye Protection: SAFETY GLASSES RECOMMENDED.

Other Protective Equipment: DEPENDING ON USE, USE AS NEEDED SPLASH PROOF GOGGLES OR FACE SHIELD, RUBBER BOOTS, APRON, GAUNTLETS, OR RAINGEAR.

Work Hygienic Practices: WASH AFTER HANDLING AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

NONE

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

HCC:F4

Boiling Pt: B.P. Text: 212F, 100C

Decomp Temp: Decomp Text: 400F, 204C

Vapor Pres: 18

Vapor Density: 0.6

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 OXIDIZING AGENTS

Stability Condi

tion to Avoid: HIGH TEMPERATURES, OPEN FLAME AND OTHER SOURCES OF IGNITION.

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

Conditions to Avoid Polymerization: WILL NOT OCCUR.

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

Waste Disposal Methods: DISPOSE OF WASTE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. CHECK WITH LOCAL ENVIRONMENTAL REGULATORY AGENCIES FOR REPORTING REQUIREMENTS.

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