

PENETONE CORP -- PENAIR HD-1 -- 6850-01-390-7808

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Product Identification
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Product ID: PENAIR HD-1
MSDS Date: 03/20/1998
FSC: 6850
NIIN: 01-390-7808
Status Code: A
MSDS Number: CLRHB
=== 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.: 1864A
NSI-8030
Preparer's Name: C. GOOD
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
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: 25.
Maxumum % Wt: 30.
Other REC Limits: NOT PROVIDED

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Hazards Identification
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LD

50 LC50 Mixture:NOT PROVIDED

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 OR PROLONGED CONTACT MAY IRRITATE OR DRY THE SKIN OR CAUSE DERMATITIS. INHALATION:HIGH VAPOR /AEROSOL CONCENTRATIONS ARE IRRITATING TO THE RESPIRATORY TRACT. INGESTION: SMALL AMOUNTS OF THIS LIQUID MAY BE DRAWN INTO THE LUNGS BY EITHER SWALLOWING OR VOM

ITING. THIS MAY CAUSE INFLAMMATION OF THE LUNGS AND INFECTION OF THE BRONCHI. INGESTION MAY CAUSE IRRITATION TO THE DIGESTIVE TRACT. CHRONIC: INFLAMMATION OF MUCOUS MEMBRANES AND RESPIRATORY TRACT MAY OCCUR UPON PROLONGED BREATHING OF MIST. MAY CAUSE KIDNEY AND LIVER DAMAGE.

Explanation of Carcinogenicity:PENAIR HD-1 DOES NOT CONTAIN ANY COMPONENTS LISTED AS A CARCINOGEN BY IARC, NTP OR OSHA.

Effects of Overexposure:EYE: MAY CAUSE IRRITATION ON PROLONGED CONTACT. HIGH VA

POR CONCENTRATIONS MAY BE IRRITATING. SKIN: FREQUENT OR PROLONGED CONTACT MAY IRRITATE OR DRY THE SKIN OR CAUSE DERMATITIS. INGESTION: INGESTION MAY CAUSE IRRITATION TO THE DIGESTIVE TRACT. INHALATION:HIGH VAPOR/AEROSOL CONCENTRATIONS ARE IRRITATING TO THE RESPIRATORY TRACT.

Medical Cond Aggravated by Exposure:CONTACT MAY AGGRAVATE AN EXISTING DERMATITIS CONDITION.

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

First Aid:EYE: FLUSH EYES WITH LARGE AMOUNTS OF WATER. SEE PHYSICIAN

IMMEDIATELY. SKIN: FLUSH SKIN WITH LARGE AMOUNTS OF WATER. REMOVE CONTAMINATED CLOTHING AND LAUNDRER 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. USE A STOMACH PUMP. CALL A PHYSICIAN IMMEDIATELY.

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

Flash Point Method:PMCC

Flash Point:51.7C, 125.F

155F COC

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:COMBUST

IBLE 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.
Neutralizing Agent:NOT PROVIDED

===== 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 AND MIX BEFORE USING.
Other Precautions:KEEP AWAY FROM ARTIFICIAL HEAT SOURCES, OPEN FLAMES, AND OTHER IGNITION SOURCES. DO NOT STORE NEAR STRONG OXIDANTS.

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

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
ABBREVIATION: N/A = NOT APPLICABLE. N/AV = NOT AVAILABLE. N/K = UNKNOWN. N/P = NOT PROVIDED. N/R = NOT RELEVANT. N/D

= NOT
DETERMINED. N/E = NOT ESTABLISHED.

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

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/68F
Vapor Density:= H2O
Spec Gravity:0.97
VOC Pounds/Gallon:490
pH:9.0
VOC Grams/Liter:4.1
Viscosity: