

PENETONE CORP -- PENAIR HD-1 MIL-C-87937B TYPE 1 -- 6850-01-461-0065

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

MSDS Date: 03/20/1998

FSC: 6850

NIIN: 01-461-0065

MSDS Number: CKFYH

=== 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. P

arty Other MSDS Num.: 1864 ANSI-8030

Preparer's Name: C. GOOD

Chemtrec Ind/Phone: (800)424-9300

CAGE: 56883

=== Contractor Identification ===

Company Name: CHEMICAL SPECIALISTS AND DEVELOPMENT

Address: 2275 TUCKER INDUSTRIAL RD

Box: City: TUCKER

State: GA

ZIP: 30084

Country: US

Phone: 770-938-4513/FAX 770-938-3966

Contract Num: SP0450-00-M-SF26

CAGE: 1MDA6

Company Name: CHEMICAL SPECIALISTS AND DEVELOPMENT INC

Address: 2210 HACKBERRY LN

Box: 687

City: CONROE

State: TX

ZIP: 77305

Country: US

Phone: 409-756-1065

Contra

t Num:SP0450-00-M-D816
CAGE:4N760
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.

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Hazards Identification
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LD50 LC50 Mixture:NO DATA PROVIDED BY RESPONSIBLE PARTY.
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. INGESTION: SMALL AMOUNTS OF THIS LIQUID MAY BE DRAWN INTO THE LUNGS BY EITHER SWALLOWING OR VOMITING. THIS MAY CAUSE INFLAMMATION OF THE LUNGS & INFECTION OF THE BRONCHI. INGESTION MAY CAUSE IRRITATION TO THE DIGESTIVE TRACT. INHALATION:HIGH VAPOR/AEROSOL C

ONCENTRATIONS ARE IRRITATING TO THE RESPIRATORY TRACT. CHRONIC: INFLAMMATION OF MUCOUS MEMBRANES & RESPIRATORY TRACT MAY OCCUR UPON PROLONGED BREATHING OF MIST.

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

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 EFFECTS. CAN BE IRRITATING TO SKIN AND EYES.

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. IN

HALATION: 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

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: GENERAL 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. HAZARDOUS COMBUSTION PRODUCTS: SMOKE, FUMES, AND OXIDES OF

CARBON.

===== 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: NO DATA

PROVIDED BY RESPONSIBLE PARTY.

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===== 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: GENERAL: KEEP AWAY FROM ARTIFICIAL HEAT SOURCES, OPEN FLAMES, AND OTHER IGNITION SOURCES. DO NOT STORE NEAR STRONG OXIDANTS.

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===== 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 Protect

ive 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: NO DATA PROVIDED BY RESPONSIBLE PARTY.

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 =====

HCC: F4

Boiling Pt: =100.C, 212.F

Vapor Pres: EQUAL TO WATER

Vapor Density: = H2O

Spec Gravity: 0.97

pH: 9.0

VOC Grams/Liter: 4.1

Viscosity: