



Product Information (203) 740-3471 / Emergency Assistance CHEMTREC 1-800-424-9300 or 202-483-7616

MATERIAL SAFETY DATA SHEETS

Part Number/Trade Name: HEPTANE, 96.0% min n-Heptane

This MSDS is valid for catalog numbers of n-Heptane – 391000DIS,39100HPR,39100HPLC

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General Information

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Company's Name: PHARMCO PRODUCTS, INC.

Company's Street: 58 VALE RD.

Company's City: BROOKFIELD

Company's State: CT

Company's Zip Code: 06804

Company's Emerg Ph #: (203) 740-3471

Company's Info Ph #: (203) 740-3471

Date MSDS Revised: PS 01/02/02

Safety Data Review Date: 01/02/02

Preparer's Company: PHARMCO PRODUCTS, INC.

Preparer's St Or P. O. Box: 58 VALE RD.

Preparer's City: BROOKFIELD

Preparer's State: CT

Preparer's Zip Code: 06804

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Ingredients/Identity Information

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Ingredient: N-HEPTANE (96.0% min.)

Balance, Heptane Isomers

Ingredient Sequence Number: 01

Percent: 100

NIOSH (RTECS) Number: MI7700000

CAS Number: 142-82-5

OSHA PEL: 500 PPM

ACGIH TLV: 400 PPM/500STEL;9394

Other Recommended Limit: NONE

RECOMMENDED

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Physical/Chemical Characteristics

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Appearance And Odor: COLORLESS LIQUID.

Boiling Point: 208F,98C

Melting Point: -132F,-91C

Vapor Pressure (MM Hg/70 F): 40

Vapor Density (Air=1): 3.4

Specific Gravity: 0.68

Decomposition Temperature: UNKNOWN

Evaporation Rate And Ref: 2.8 (BUTYL ACETATE = 1)

Solubility In Water: NEGLIGIBLE;0.005%

Percent Volatiles By Volume: 100

Autoignition Temperature: 399F

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Fire and Explosion Hazard Data

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Flash Point: 25.0F,-3.9C

Flash Point Method: CC

Lower Explosive Limit: 1.35

Upper Explosive Limit: 6.7

Extinguishing Media: USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.

USE WATER WITH CAUTION. HEPTANE CAN FLOAT ON WATER AND REIGNITE.

Special Fire Fighting Proc: WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED

CONTAINERS

WITH WATER SPRAY.

Unusual Fire And Expl Hazrds: COMBUSTION OR HEAT OF FIRE MAY PRODUCE

HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS. VAPORS HEAVIER THAN AIR.

CAN

TRAVEL A LONG DISTANCE AND FLASHBACK.

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Reactivity Data

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Stability: YES

PHOSPHOROUS.

Cond To Avoid (Stability): HIGH HEAT,
SPARKS, OPEN FLAMES AND OTHER
SOURCES OF IGNITION

Hazardous Decomp Products: CARBON
MONOXIDE, CARBON DIOXIDE,
INCOMPLETELY

Materials To Avoid: STRONG OXIDIZING
AGENTS, ACIDS, LIQUID CHLORINE, RED

BURNED CARBON PRODUCTS.
Hazardous Poly Occur: NO

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Health Hazard Data

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Route Of Entry - Inhalation: YES

Route Of Entry - Skin: YES

Route Of Entry - Ingestion: NO

Health Haz Acute And Chronic: INHAL: ABOVE 5000PPM MAY CAUSE ASPHYXIATION,
MAY CAUSE IRRITATION. SKIN ABSORPTION MAY OCCUR. PROLONGED EXPOSURE MAY
CAUSE

DEFATTING. EYES: MAY CAUSE IRRITATION. INGEST: GI IRRITANT. MAY CAUSE CNS
DEPRESSION. VOMITING AFTER INGEST MAY CAUSE DEATH.

Carcinogenicity - NTP: NO

Carcinogenicity - IARC: NO

Carcinogenicity - OSHA: NO

Explanation Carcinogenicity: NONE OF THE INGREDIENTS IN THIS PRODUCT IS
LISTED BY NTP, IARC OR OSHA AS A CARCINOGEN.

HEADACHE, GIDDINESS, NARCOSIS, GASOLINE-LIKE TASTE IN MOUTH. INGEST: ABDOMINAL
PAIN, NAUSEA, VOMITING, DIARRHEA. ASPIRATION OF C6-8 ALIPHATIC HYDROCARBONS
HAS

CAUSED IMMEDIATE DEATH DUE TO LUNG AND HEART FAILURE.

Med Cond Aggravated By Exp: INDIVIDUALS WITH A HISTORY OF SKIN AND
RESPIRATORY DISORDERS MAY BE AT INCREASED RISK FROM EXPOSURE.

Emergency/First Aid Proc: EYES/SKIN: FLUSH WITH PLENTY OF WATER FOR AT
LEAST 15 MINUTES. IF IRRITATION PERSISTS, SEE DOCTOR. INHALATION: REMOVE
DRINK 1 OR 2 GLASSES OF MILK OR WATER. DO NOT INDUCE VOMITING. SEE DOCTOR
IMMEDIATELY.

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Precautions for Safe Handling and Use

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Steps If Matl Released/Spill: REMOVE PERSONNEL. ELIMINATE IGNITION
SOURCES. VENTILATE AREA. WEAR PROTECTIVE CLOTHING AND EQUIPMENT. ABSORB IN
INERT MATERIAL AND PLACE IN APPROPRIATE DISPOSAL CONTAINER AND COVER.

Neutralizing Agent: NONE

Waste Disposal Method: CONTACT YOUR LOCAL ENVIRONMENTAL OFFICER. DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS. MANUFACTURER RECOMMENDS INCINERATION.EPA CODE D001.

Precautions-Handling/Storing: STORE IN COOL, DRY, WELL VENTILATED AREA. PROTECT FROM PHYSICAL DAMAGE, HEAT, IGNITION SOURCES AND INCOMPATIBLE MATERIALS. KEEP CONTAINERS CLOSED.

Other Precautions: MATERIAL IS EXTREMELY FLAMMABLE. VAPORS MAY IGNITE EXPLOSIVELY. PREVENT BUILDUP OF VAPORS. EMPTY CONTAINERS RETAIN RESIDUE, TREAT AS IF THEY WERE FULL. AVOID EYE AND SKIN CONTACT. DO NOT BREATHE VAPORS. GROUND AND BOND CONTAINERS.

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Control Measures

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Respiratory Protection: NIOSH/MSHA-APPROVED RESPIRATOR OR SCBA AS APPROPRIATE FOR EXPOSURE OF CONCERN.

Ventilation: MECHANICAL (GENERAL) VENTILATION OR LOCAL EXHAUST VENTILATION TO KEEP EXPOSURE LEVELS BELOW PEL. USE EXPLOSION-PROOF EQ.

Protective Gloves: RUBBER GLOVES.

Eye Protection: CHEMICAL SAFETY GOGGLES.

Other Protective Equipment: PROTECTIVE CLOTHING AS REQUIRED TO MINIMIZE EXPOSURE FROM PROLONGED OR REPEATED CONTACT. EYE BATH AND SAFETY SHOWER.

Work Hygienic Practices: WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE.

Suppl. Safety & Health Data: NONE.

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Transportation Data

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Trans Data Review Date: 94130

DOT PSN Code: HAD

DOT Proper Shipping Name: HEPTANES

DOT Class: 3

DOT ID Number: UN1206

DOT Pack Group: II

DOT Label: FLAMMABLE LIQUID

IMO PSN Code: HXF

IMO Proper Shipping Name: HEPTANES

IMO Regulations Page Number: 3235

IMO UN Number: 1206

IMO UN Class: 3.2

IMO Subsidiary Risk Label: -

IATA PSN Code: NDD

IATA UN ID Number: 1206

IATA Proper Shipping Name: HEPTANES

IATA UN Class: 3

IATA Label: FLAMMABLE LIQUID

AFI PSN Code: NDD

AFI Prop. Shipping Name: HEPTANES

AFI Class: 3

AFI ID Number: UN1206

AFI Pack Group: II

AFI Label: FLAMMABLE LIQUID

AFI Basic Pac Ref: 7-7

MMAC Code: NR

Additional Trans Data: NONE

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Disposal Data

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Refer to applicable regional, state and federal codes.

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Label Data

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Common Name: HEPTANE

Signal Word: WARNING!

Acute Health Hazard-Moderate: X

Contact Hazard-Slight: X

Fire Hazard-Moderate: X

Reactivity Hazard-None: X

Special Hazard Precautions: INHAL:ABOVE 5000PPM MAY CAUSE ASPHYXIATION,
MAY CAUSE IRRITATION.SKIN ABSORPTION MAY OCCUR.PROLONGED EXPOSURE MAY
CAUSE

DEFATTING.EYES:MAY CAUSE IRRITATION.INGEST:GI IRRITANT.MAY CAUSE CNS
FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. IF IRRITATION PERSISTS,
SEE DOCTOR. INHALATION: REMOVE VICTIM TO FRESH AIR. GIVE OXYGEN/CPR IF
NEEDED. SEE DOCTOR. INGESTION: DRINK 1 OR 2 GLASSES OF MILK OR WATER . DO
NOT INDUCE VOMITING. SEE DOCTOR IMMEDIATELY.

Protect Eye: Y Protect Skin: Y

The information contained herein is based on data considered to be accurate. However, no warranty is
expressed regarding the accuracy of these data or the results to be obtained from the use thereof. It is the
user's obligation to determine the conditions of safe use of the product.