



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

MATERIAL SAFETY DATA SHEETS

Part Number/Trade Name: 2,2,4 – Trimethylpentane
This MSDS is valid for all grades and catalog numbers

General Information

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: Nishant-8/23/99
Safety Data Review Date: 8/23/99
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

Ingredients/Identity Information

Proprietary: NO
Ingredient: ISOOCTANE (2,2,4-TRIMETHYLPENTANE)
Ingredient Sequence Number: 01
Percent: 100
NIOSH (RTECS) Number: SA3320000

CAS Number: 540-81-1
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED
Other Recommended Limit: NONE RECOMMENDED

Physical/Chemical Characteristics

Appearance And Odor: CLEAR, COLORLESS, MOBILE LIQUID; GASOLINE ODOR
Boiling Point: 210F, 99C
Melting Point: -161F, -107C
Vapor Pressure (MM Hg/70 F): 41 MM HG
Vapor Density (Air=1): 3.9(AIR=1)
Specific Gravity: 0.6919(WATER=1)
Decomposition Temperature: UNKNOWN
Evaporation Rate And Ref: <1 (N-BUTYL ACETATE=1)
Solubility In Water: NEGLIGIBLE
Percent Volatiles By Volume: 100
Corrosion Rate (IPY): UNKNOWN
Autoignition Temperature: 779F

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Fire and Explosion Hazard Data
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Flash Point: 10F,-12C
Flash Point Method: COC
Lower Explosive Limit: 1.1
Upper Explosive Limit: 6.0
Extinguishing Media: DRY CHEMICAL, CARBON DIOXIDE, WATER SPRAY, REGULAR FOAM
Special Fire Fighting Proc: WEAR SELF-CONTAINED BREATHING APPARATUS AND BUNKER GEAR. MOVE CONTAINERS IF NO RISK. COOL FIRE EXPOSED CONTAINERS WITH WATER.
Unusual Fire And Expl Hazrds: EXTREMELY FLAMMABLE. EVACUATE A RADIUS OF 1500 FEET FOR UNCONTROLLABLE FIRES. CONSIDER EVACUATION DOWNWIND IF MATERIAL IS LEAKING.
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Reactivity Data
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Stability: YES
Cond To Avoid (Stability): AVOID SOURCES OF IGNITION AND CONTACT WITH INCOMPATIBLE MATERIALS.
Materials To Avoid: STRONG OXIDIZING AGENTS AND REDUCING AGENTS.
Hazardous Decomp Products: OXIDES OF CARBON
Hazardous Poly Occur: NO
Conditions To Avoid (Poly): NONE
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Health Hazard Data
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LD50-LC50 Mixture: ORAL LD50 (RAT) IS > 5000 MG/KG
Route Of Entry - Inhalation: YES
Route Of Entry - Skin: YES
Route Of Entry - Ingestion: YES
Health Haz Acute And Chronic: ACUTE: INHALATION OF VAPORS MAY CAUSE RESPIRATORY IRRITATION AND CENTRAL NERVOUS SYTEM DEPRESSION. CONTACT WITH SKIN AND EYES MAY CAUSE IRRITATION. SWALLOWING MAY CAUSE CENTRAL NERVOUS SYSTEM DEPRESSION AND DIGESTIVE SYSTEM DISTRESS. CHRONIC: PROLONGED OR REPEATED INHALATION MAY CAUSE POLYNEUROPATHY; DERMATITIS.
Carcinogenicity - NTP: NO
Carcinogenicity - IARC: NO
Carcinogenicity - OSHA: NO
Explanation Carcinogenicity: NONE
Signs/Symptoms Of Overexp: INHALED: DIZZINESS, COUGHING, SHORTNESS OF REDNESS, DISCOMFORT. SKIN: REDNESS, DISCOMFORT, SYSTEMIC EFFECTS SIMILAR TO INHALATION AND INGESTED. INGESTED: NAUSEA, DIARRHEA, DIFFICULTY BREATHING, VOMITING, DIZZINESS, HEADACHE.
Med Cond Aggravated By Exp: NONE SPECIFIED BY MANUFACTURER.
Emergency/First Aid Proc: INHALED: MOVE TO FRESH AIR. IF BREATHING STOPPED, GIVE ARTIFICIAL RESPIRATION. SEE DOCTOR. EYES: FLUSH WITH LOTS OF WATER FOR 15 MINUTES, HOLDING LIDS OPEN. SEE DOCTOR. SKIN: REMOVE CONTAMINATED CLOTHES. WASH WITH SOAP AND WATER. INGESTED: DO INDUCE VOMITING EXCEPT UNDER MEDICAL PERSONNEL/DOCTORS ORDERS. TAKE CARE TO

PREVENT ASPIRATION OF PRODUCT IF VOMITING OCCURS.

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Precautions for Safe Handling and Use

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Steps If Matl Released/Spill: ELIMINATE ALL SOURCES OF IGNITION. ISOLATE/DENY ENTRY. STOP LEAK IF POSSIBLE. CONTAIN SPILL. WEAR PROPER PROTECTIVE CLOTHING. ABSORB WITH INERT MATERIAL AND PLACE IN A LABELED CONTAINER FOR LATER DISPOSAL. KEEP OUT OF SEWERS AND WATERWAYS.

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Method: DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. WASTE MATERIAL IS EPA WASTE # D001. REPORTABLE QUANTITY FOR CERCLA SECTION 103 IS 100 POUNDS.

Precautions-Handling/Storing: STORE IN A COOL, DRY, WELL-VENTILATED AREA AWAY FROM SOURCES OF IGNITION AND INCOMPATIBLE MATERIALS. KEEP CONTAINER CLOSED.

Other Precautions: NONE SPECIFIED BY MANUFACTURER. HMIS: USE PROPER GRONDING AND BONDING DURING TRANSFER OPERATIONS.

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Control Measures

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Respiratory Protection: IF ENGINEERING CONTROLS FAIL OR A SPILL OCCURS; USE NIOSH/MSHA APPROVED RESPIRATOR WITH ORGANIC VAPOR CARTRIDGE, OR SUPPLIED AIR RESPIRATOR, OR SCBA, AS APPROPRIATE. USE IN ACCORDANCE WITH 29 CFR 1910.134.

Ventilation: EXPLOSION-PROOF LOCAL EXHAUST VENTILATION MUST BE PROVIDED TO MEET PUBLISHED EXPOSURE LIMITS.

Protective Gloves: NITRILE, PVA

Eye Protection: SAFETY GLASSES/CHEMICAL SPLASH GOGGLES

Other Protective Equipment: IMPERVIOUS CLOTHING TO PREVENT PROLONGED OR REPEATED SKIN CONTACT. EYE WASH STATION.

Work Hygienic Practices: WASH HANDS AFTER USE AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHES BEFORE REUSE.

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Transportation Data

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DOT Proper Shipping Name: OCTANES
DOT Class: 3
DOT ID Number: UN1262
DOT Pack Group: II
DOT Label: FLAMMABLE LIQUID
IMO PSN Code: ISU
IMO Proper Shipping Name: ISOCTANE
IMO Regulations Page Number: SEE3267 *
IMO UN Number: 1262
IMO UN Class: 3.2
IMO Subsidiary Risk Label: -
IATA PSN Code: SLF

IATA UN ID Number: 1262
IATA Proper Shipping Name: OCTANES
IATA UN Class: 3
IATA Label: FLAMMABLE LIQUID
AFI PSN Code: SLF
AFI Prop. Shipping Name: OCTANES
AFI Class: 3
AFI ID Number: UN1262
AFI Pack Group: II
AFI Label: FLAMMABLE LIQUID
AFI Basic Pac Ref: 7-7

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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: 2,2,4-TRIMETHYLPENTANE
Chronic Hazard: YES
Signal Word: DANGER!
Acute Health Hazard-Moderate: X
Contact Hazard-Slight: X
Fire Hazard-Severe: X
Reactivity Hazard-None: X
Special Hazard Precautions: FLAMMABLE.INHALATION OF VAPORS MAY CAUSE
RESPIRATORY IRRITATION AND CNS DEPRESSION.CONTACT WITH SKIN/EYES MAY
CAUSE
IRRITATION.SWALLOWING MAY CAUSE CNS DEPRESSION AND DIGESTIVE SYSTEM
DISTRESS.PROLONGED OR REPEATED EXPOSURE MAY CAUSE POLYNEUROPATHY;
DERMATITIS.FIRST AID:INHALED:MOVE TO FRESH AIR.IF BREATHING STOPPED, GIVE
ARTIFICIAL RESPIRATION.SEE DOCTOR.EYES:FLUSH WITH LOTS OF WATER FOR 15
MINUTES, HOLDING LIDS OPEN. SEE DOCTOR.SKIN:REMOVE CONTAMINATED CLOTHES.
WASH WITH SOAP AND WATER.INGESTED:DO INDUCE VOMITING EXCEPT UNDER
MEDICAL
PERSONNEL/DOCTORS ORDERS.TAKE CARE TO PREVENT ASPIRATION OF PRODUCT IF
VOMITING OCCURS.
Protect Eye: Y
Protect Skin: Y
Protect Respiratory: 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.