



An ISO 9001:2000  
Certified Company

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 that start with catalog number 398

### General Information

Company's Name: PHARMCO PRODUCTS, INC.	Safety Data Review Date: 8/23/99
Company's Street: 58 VALE RD.	Preparer's Company: PHARMCO PRODUCTS, INC.
Company's City: BROOKFIELD	Preparer's St Or P. O. Box: 58 VALE RD.
Company's State: CT	Preparer's City: BROOKFIELD
Company's Zip Code: 06804	Preparer's State: CT
Company's Emerg Ph #: (203) 740-3471	Preparer's Zip Code: 06804
Company's Info Ph #: (203) 740-3471	
Date MSDS Revised: Nishant-8/23/99	

### Ingredients/Identity Information

Proprietary: NO	CAS Number: 540-81-1
Ingredient: ISOCTANE (2,2,4-TRIMETHYLPENTANE)	OSHA PEL: NOT ESTABLISHED
Ingredient Sequence Number: 01	ACGIH TLV: NOT ESTABLISHED
Percent: 100	Other Recommended Limit: NONE
NIOSH (RTECS) Number: SA3320000	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

### Fire and Explosion Hazard Data

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: ISOOCTANE

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 NOT 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

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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.