

PHILLIPS PETROLEUM CO,PHILLIPS 66 CO DIV -- ASTM N-HEPTANE KNOCK TEST REFERENCE FUEL -- 6810-00-097-4159

===== Product Identification =====

Product ID:ASTM N-HEPTANE KNOCK TEST REFERENCE FUEL

MSDS Date:10/31/1988

FSC:6810

NIIN:00-097-4159

MSDS Number: BGSPD

=== Responsible Party ===

Company Name:PHILLIPS PETROLEUM CO,PHILLIPS 66 CO DIV

Address:699 ADAMS BLDG

City:BARTLESVILLE

State:OK

ZIP:74004

C

Country:US

Info Phone Num:918-661-8327

Emergency Phone Num:918-661-3865 OR 918-661-8118

Preparer's Name:C.A.EISENHARD

CAGE:46916

=== Contractor Identification ===

Company Name:PHILLIPS 66 CO,PHILTEX PLANT

CAGE:6T514

Company Name:PHILLIPS 66 COMPANY(DIVISION OF PHILLIPS PETROLEUM CO)

Address:699 ADAMS BLDG 411 KEELER ST

Box:City:BARTLESVILLE

State:OK

ZIP:74004

Country:US

Phone:918-661-8327

CAGE:6Y142

Company Name:PHILLIPS PETROLEUM CO

Address:613 ADAMS

Box:City:BARTLESVILLE

State:OK

ZIP:74004

Coun

try:US  
Phone:800-234-6603  
CAGE:46935  
Company Name:PHILLIPS PETROLEUM COMPANY  
CAGE:46916

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Composition/Information on Ingredients  
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Ingred Name:N-HEPTANE  
CAS:142-82-5  
RTECS #:MI7700000  
Fraction by Wt: 100.0%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:500 PPM/500 STEL  
ACGIH TLV:400 PPM/500STEL;9293

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Hazards Identification  
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LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YE  
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Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:EYES: IRRITATION. SKIN: IRRITATION,  
DEFATTING, DERMATITIS. INHALATION: MUCOUS MEMBRANE IRRITATION, LOSS  
OF APPETITE, HEADACHE, GIDDINESS, INCOORDINATION, DIZZINESS,  
DROWSINESS, CNS EFFECTS, RESPIRATOR Y ARREST, UNCONSCIOUSNESS,  
CONVULSIONS.INGESTION: NAUSEA, VOMITING, ABDOMINAL PAIN, DIARRHEA,  
CNS DEPRESSION.  
Effects of Overexposure:EYES: IRRITATION. SKIN: IRRITATION, DEFATTING,  
DERMAT  
ITIS. INHALATION: MUCOUS MEMBRANE IRRITATION, LOSS OF  
APPETITE, HEADACHE, GIDDINESS, INCOORDINATION, DIZZINESS,  
DROWSINESS, CNS EFFECTS, RESPIRATOR Y ARREST. UNCONSCIOUSNESS,  
CONVULSIONS.INGESTION: NAUSEA, VOMITING, ABDOMINAL PAIN, DIARRHEA,  
CNS DEPRESSION.  
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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First Aid Measures  
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First Aid:EYES: FLUSH WITH LARGE AMOUNTS OF WATER. IF ADVERSE SYMPTOMS  
DEVELOP GET

MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING.

WASH AREA WITH SOAP AND WATER. IF ADVERSE SYMPTOMS DEVELOP GET MEDICAL ATTENTION. INHALATION: MOVE TO FRESH AIR. IF NOT BREATHING GIVE CPR. IF BREATHING DIFFICULT GIVE OXYGEN. GET MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION.

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

Flash Point Method:TCC

Flash Point:=-3.7C, 25.F

Lower Limits:1.0

Upper Limits:7.0

Extinguishing M

edia:DRY CHEMICAL, FOAM, CARBON DIOXIDE.

Fire Fighting Procedures:EVACUATE AREA, SHUT OFF SOURCE. WATER SPREY MAY BE USED TO COOL FIRE EXPOSED CONTAINERS. DO NOT SPRAY WATER ON FIRE, PRODUCT WILL FLOAT AND REIGNITE ON SURFACE.

Unusual Fire/Explosion Hazard:HIGHLY FLAMMABLE VAPORS, HEAVIER THAN AIR, MAY ACCUMULATE IN LOW AREAS AND/OR SPREAD ALONG GROUND TO DISTANT IGNITION SOURCE AND FLASH BACK ALONG VAPOR TRAIL.

===== Accidental Release Measures =====

Spill Release Procedures:EVACUATE AREA. WEAR PROTECTIVE EQUIPMENT AND SCBA. SHUT OFF SOURCE, IF POSSIBLE, AND CONTAIN SPILL. PROTECT FROM IGNITION. KEEP OUT OF WATER SOURCES AND SEWERS. ABSORB IN A DRY, INERT MATERIAL. TRANSFER TO DISPOSAL DRUMS USING NON-SPARKING EQUIPMENT.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

===== Handling and Storage =====

Handling and Storage Precautions:STORE IN COOL, DRY, WELL VENTILATED AREA AWAY FROM

SOURCES OF IGNITION. KEEP CONTAINERS TIGHTLY CLOSED. EMPTY CONTAINERS MAY BE HAZARDOUS.

Other Precautions:PROVIDE MEANS FOR CONTROLLING LEAKS AND SPILLS. BOND AND GROUND CONTAINERS DURING TRANSFER. HEPTANE WILL ATTACK SOME FORMS OF PLASTIC AND RUBBER.

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

Respiratory Protection:NOT GENERALLY REQUIRED UNLESS NEEDED TO PREVENT RESPIRATORY IRRITATION. IF EXPOSURE TO CONCENTRATIONS ABOVE RECOMMENDED EXPOSURE LIM

IT IS POSSIBLE, USE NIOSH/MSHA APPROVED

SELF-CONTAINED BREATHING APPARATUS (SCBA).

Ventilation:USE LOCAL OR GENERAL TO MAINTAIN EXPOSURE BELOW RECOMMENDED EXPOSURE LEVEL.

Protective Gloves:BUNA-N OR POLYVINYL ALCOHOL GLOVES.

Eye Protection:CHEMICAL GOGGLES FOR SPLASH PROTECTION.

Other Protective Equipment:WEAR PROTECTIVE CLOTHING TO PREVENT EXCESSIVE SKIN CONTACT.

Work Hygienic Practices:WASH AFTER HANDLING AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

PERSON PROTECTION INFORMATION SHOWN IN THIS MSDS IS BASED UPON GENERAL INFORMATION AS TO NORMAL USES AND CONDITIONS. WHERE SPECIAL OR UNUSUAL USES OR CONDITIONS EXIST, IT IS SUGGESTED THAT THE EXPERT ASSISTANCE OF AN INDUSTRIAL HYGIENIST OR OTHER QUALIFIED PROFESSIONAL BE SOUGHT.

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

HCC:F2

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:98.3C, 209.F

Vapor Pres:83MMHG

Vapor Density:

3.4

Spec Gravity:0.688

Evaporation Rate & Reference:>1 (BUTYL ACETATE=1)

Solubility in Water:NEGLIGIBLE

Appearance and Odor:CLEAR LIQUID. MILD, SWEET ODOR.

Percent Volatiles by Volume:100

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

OXYGEN AND STRONG OXIDIZING AGENTS.

Stability Condition to Avoid:AVOID HEAT, SPARKS, OPEN FLAMES, OTHER SOURCES OF IGNITION.

Hazardous Decomposition Products:CARBON OXIDES FORMED WHEN BURNED.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

===== Disposal Considerations =====

Waste Disposal Methods:DISPOSE OF WASTE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

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