

PHILLIPS 66 COMPANY -- PETROLEUM ETHER 30-60 C -- 6810-00-051-5872

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

Product ID:PETROLEUM ETHER 30-60 C

MSDS Date:04/30/1993

FSC:6810

NIIN:00-051-5872

MSDS Number: BCWCW

=== Responsible Party ===

Company Name:PHILLIPS 66 COMPANY

Address:758 ADAMS BLDG

City:BARTLESVILLE

State:OK

ZIP:74004

Country:US

Info Phone Num:918-661-8327/714-864-2310

Emergency Phone Num:918-6

61-3865/8118

CAGE:46935

=== Contractor Identification ===

Company Name:HOC INDUSTRIES, INC

Address:3511 N. OHIO

Box:2609

City:WICHITA

State:KS

ZIP:67219

Country:US

Phone:316-838-4663

CAGE:0A9L8

Company Name:PHILLIPS PETROLEUM CO

Address:613 ADAMS

Box:City:BARTLESVILLE

State:OK

ZIP:74004

Country:US

Phone:800-234-6603

CAGE:46935

===== Composition/Information on Ingredients =====

Ingred Name:PENTANE

CAS:109-66-0

RTECS #:RZ9450000

Fraction by Wt: 72.8%

OSHA PEL:1000 PPM/750 STEL

ACGIH TLV:600 PPM/750STEL;9293

Ingred Name:ISOHEXANE

CAS:107-83-5

RTECS #:SA2995000

Fraction by Wt: 10.9%

Other REC Limits:NONE RECOMMENDED

Ingred Name:CYCLOPENTANE

CAS:287-92-3

RTECS #:GY2390000

Fraction by Wt: 1.0%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:600 PPM

ACGIH TLV:600 PPM; 9394

Ingred Name:3-METHYL PENTANE

CAS:96-14-0

RTECS #:SA2995500

Fraction by Wt: 5.4%

OSHA PEL:500 PPM/1000 STEL

ACGIH TLV:500 PPM/1000STEL8990

Ingred Name:NEOHEXANE

CAS:75-83-2

RTECS #:EJ9300000

Fraction by Wt

: 3.7%

Other REC Limits:NONE RECOMMENDED

Ingred Name:2,3-DIMETHYLBUTANE

CAS:79-29-8

RTECS #:EJ9350000

Fraction by Wt: 3.9%

Other REC Limits:NONE RECOMMENDED

Ingred Name:ISOPENTANE

CAS:78-78-4

RTECS #:EK4430000

Fraction by Wt: 1.9%

Other REC Limits:NONE RECOMMENDED

Ingred Name:RELATED COMPONENTS

Fraction by Wt: 0.4%

Other REC Limits:NONE RECOMMENDED

===== Hazards Identification =====

LD50 LC50 Mixture:LC50 >2822.5 PPM IN RATS

Routes of Entry: Inhalation:YES

Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:EYES- MAY CAUSE MILD IRRITATION.

SKIN- MAY CAUSE DEFATTING. PROLONGED OVEREXPOSURE TO HIGH VAPOR CONCENTRATIONS MAY CAUSE MILD MUCOUS MEMBRANE IRRITATION.

INHALATION- MAY CAUSE CENTRAL NERVOUS SYSTEM DEPRESSION, UNCONSCIOUSNESS AND DEATH. INGESTION- MAY CAUSE CENTRAL NERVOUS SYSTEM DEPRESSION. MAY ASPIRE INTO LUNGS.

Effects of Overexposure:EYES- PAIN, INFLAMMATION OF THE IRIS AND MUCOUS

MEMBRANES, REDNESS AND TEARING. SKIN- DRYNESS, REDNESS, SWELLING AND POSSIBLY BLISTERING. INHALATION- DIZZINESS, DISORIENTATION, HEADACHE, EXCITEMENT, DROWSINESS, INCOORDINATION, HYPERSENSITIVITY, TREMORS, HYPERACTIVITY, ANESTHESIA, RESPIRATORY AND CARDIAC EFFECTS.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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===== First Aid Measures =====

First Aid:EYES- FLUSH WITH RUNNING WATER FOR AT LEAST FIFTEEN MINUTES.

IF IRRITATION OR ADVERSE SYMPTOMS DEVELOP, SEEK MEDICAL ATTENTION.

SKIN- WASH WITH SOAP AND WATER FOR AT LEAST FIFTEEN MINUTES.

INHALATION- REMOVE FROM EXPOSURE. IF BREATHING IS DIFFICULT, GIVE OXYGEN. IF BREATHING CEASES, ADMINISTER ARTIFICIAL RESPIRATION FOLLOWED BY OXYGEN. INGESTION- DO NOT INDUCE VOMITING. SEEK MEDICAL ATTENTION.

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

Flash Point:-50F,-46C

Lower Limits:1.1

Upper L

imits:5.9

Extinguishing Media:DRY CHEMICAL, FOAM OR CARBON DIOXIDE.

Fire Fighting Procedures:EVACUATE AREA OF UNNECESSARY PERSONNEL. SHUT OFF SOURCE, IF POSSIBLE. USE NIOSH/MSHA-APPROVED SELF-CONTAINED BREATHING APPARATUS & OTHER PROTECTIVE EQUIPMENT.

Unusual Fire/Explosion Hazard:FLAMM VAP MAY SPREAD AWAY FR SPILL. CONTRS MAY EXPLODE IN HT OF FIRE.EXPL VAP-AIR MIX MAY FORM

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

Spill Release Procedures:REMOVE IGNITION

SOURCES, VENTILATE AREA

WELL. ABSORB WITH VERMICULITE OR OTHER MATERIALS, SUCH AS SAWDUST, RAGS, PAPER & PLACE IN CLOSED CONTAINER. USE NON SPARKING TOOLS. WEAR PROPER PROTECTIVE EQUIPMENT DURING CLEAN UP.

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

Handling and Storage Precautions: STORE IN COOL, DRY, WELL VENT, LOW FIRE RISK AREA. PROTECT FROM PHYSICAL DAMAGE. AVOID ANY PHYSICAL CONTACT. KEEP CONTAINERS TIGHTLY CLOSED.

Other Precautions: PROTECT FROM IGNITION

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

Respiratory Protection: SCBA IN FIRE, OTHERWISE CHEM CARTR RESPIR.  
Ventilation: MECH(GEN) OR LOCAL EXHAUST THAT PROVIDES ADEQUATE VENTILATION

Protective Gloves: IMPERVIOUS

Eye Protection: CHEM GOGGLES

Other Protective Equipment: SAFETY SHOWER & EYE BATH

Supplemental Safety and Health

MSDS DATED OCT, 85. VAPOR PRESS IS BASED ON 100F.

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

HCC: F2

Boiling Pt: B.P. Text

xt: 99-133F

Vapor Pres: 13.8 PSIA

Vapor Density: 2.5

Spec Gravity: 0.642

Evaporation Rate & Reference: VERY FAST

Solubility in Water: NEGLIGIBLE

Appearance and Odor: CLEAR LIQUID WITH A MILD GASOLINE ODOR.

Percent Volatiles by Volume: 100

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

Stability Indicator/Materials to Avoid: YES

OXYGEN & STRONG OXIDING AGENTS.

Stability Condition to Avoid: HIGH TEMPERATURES, IGNITION SOURCES

Hazardous Decomposition Products: NONE

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=== Disposal Considerations =====

Waste Disposal Methods:INCINERATE IN APPROVED INCINERATOR OR DISPOSE OF  
IN APPROVED CHEMICAL DUMP IN ACCORDANCE WITH LOCAL,STATE & FEDERAL  
REGULATIONS.

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