

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:918-661-3865/8118

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 IAR

C: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.

===== 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.

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

Flash Point:-50F,-46C

Lower Limits:1.1

Upper Limits: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

===== 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.

===== 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

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

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

HCC:F2
Boiling Pt:B.P. Text: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

===== 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

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

Waste Disposa

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

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