Status Code:A
MSDS Number: CKTQP
=== Responsible Party ===

Company Name: PHILLIPS CHEMICAL COMPANY/ A DIV OF PHILLIPS PETROLEUM CO

Address:UNK

Cit

y:BARTLESVILLE

State:OK ZIP:74004 Country:US

Info Phone Num:918-661-9091 OR 918-661-7297

Emergency Phone Num:918-661-8118

CAGE:TO570

=== Contractor Identification ===

Company Name: PHILLIPS 66 CO, PHILTEX PLANT

CAGE:6T514

Company Name: PHILLIPS CHEMICAL COMPANY/ A DIV OF PHILLIPS PETROLEUM CO

Address:UNK

Box:City:BARTLESVILLE

State:OK ZIP:74004 Country:US

Phone:918-661-9091 OR 918-661-7297 Contract Num:SP0411-01-M-E344

CAGE:TO570

Company Name:PHOENIX INDUSTRIES INC Address:1519 CHAMBERLAYNE PARKWA

Υ

Box:City:RICHMOND

State:VA ZIP:23222 Country:US

Phone:804-264-5183/FAX: 264-5535 Contract Num:SP0450-00-M-SK28

CAGE:0YED2

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

Ingred Name: N-HEPTANE

CAS:142-82-5

RTECS #:MI7700000

= Wt:100.

OSHA PEL:500 PPM ACGIH TLV:400 PPM

ACGIH STEL:2050 MG/M3;500 PPM

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

NG, ESPECIALLY AFTER PROLONGED

&DIRECT CONTACT WITH THE LIQUID. INHALATION: MAY CAUSE IRRITATION
TO THE MUCOUS MEMBRANES OF THE RES PIRATORY TRACT, NAUSEA, LOSS OF
APPETITE, LASSITUDE, LIGHT-HEADEDNESS, GIDDINESS, DIZZINESS &
INCOORDINATION. RESPIRATORY ARREST, CONVULSIONS, SEMI-CONSCIOUSNESS
OR UNCONSCIOUSNESS MAY RESULT FROM EXT REME EXPOSURE. INGESTION:
MAY CAUSE WEAKNESS & GASTROINTESTINAL TRACT IRRITATION. IF
SWALLOWED, MAY BE ASPIRATED RESULTING IN INFLAMMATION

& POSSIBLE

FLUID ACCUMULATION IN THE LUNGS. SUBCHRONIC & CHRO NIC-NO KNOWN APPLICABLE INFORMATION.

Effects of Overexposure:ACUTE- EYE: MILD IRRITATION. SKIN: BURNING& ITCHING, ESPECIALLY AFTER PROLONGED &DIRECT CONTACT WITH THE LIQUID. INHALATION: IRRITATION TO THE MUCOUS MEMBRANES OF THE RESPIRATORY TRACT, NAUSEA, LOSS OF APPETITE, LASSITUDE, LIGHT-HEADEDNESS, GIDDINESS, DIZZINESS & INCOORDINATION. RESPIRATORY ARREST, CONVULSIONS, SEMI-CONSCIOUSNESS OR UNCONSC

IOUSNESS MAY RESULT FROM EXTREME EXPOSURE. INGESTION: MAY CAUSE WEAKNESS & GASTROINTESTINAL TRACT IRRITATION. IF SWALLOWED, MAY BE ASPIRATED RESULTING IN INFLAMMATION & POSSIBLE FLUID ACCUMULATION IN THE LUNGS.

First Aid:EYE: FLUSH EYES WITH RUNNING WATER FOR AT LEAST FIFTEEN MINUTES. IF IRRITATION OR ADVERSE SYMPTOMS DEVELOP, SEEK MEDICAL ATTENTION. SKIN: WASH SKIN WITH SOAP AND WATER FOR AT LEAST FIFTEE N

MINUTES. IF IRRITATION OR ADVERSE SYMPTOMS DEVELOP, SEEK MEDICAL ATTENTION. INHALATION: REMOVE FROM EXPOSURE. IF BREATHING IS DIFFICULT, GIVE OXYGEN. IF BREATHING CEASES, ADMINISTER ARTIFICIAL RESPIRATION FOLLOW ED BY OXYGEN. SEEK IMMEDIATE MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. SEEK MEDICAL ATTENTION.

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

Flash Point Method:TCC Flash Point:=-3.7C, 25.F (TCC, ASTM D56) Lower Limits:1.0 Upper

WILL ATTACK SOME FORM S OF PLASTIC AND RUBBER.

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

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

RECOMMENDED EXPOSURE LIMIT IS POSSIBLE, USE NIOSH APPROVE

D

SELF-CONTAINED BREATHING APPA RATUS (SCBA).

Ventilation: USE ADEQUATE VENTILATION TO CONTROL CONCENTRATION BELOW RECOMMENDED EXPOSURE LIMITS.

Protective Gloves:USE GLOVES RESISTANT TO THE MATERIAL BEING USED (BUNA-N OR POLYVINYL ALCOHOL).

Eye Protection: USE SAFETY GLASSES WITH SIDE SHIELDS.

Other Protective Equipment: FOR SPLASH PROTECTION, USE CHEMICAL GOGGLES AND FACE SHIELD.

Work Hygienic Practices: CONTACT IMMEDIATE SUPERVISOR FOR SPECIFIC INSTRUCTIONS BEFORE WORK IS INITI

ATED. WEAR PROTECTIVE EQUIPMENT

AND/OR GARMENTS IF EXPOSURE CONDITIONS WARRANT.

Supplemental Safety and Health

PRODUCT #: P07444. SYNONYMS: NORMAL HEPTANE, KNOCK TEST REFERENCE FUEL.

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

HCC:F2

Boiling Pt:=98.3C, 209.F

Vapor Pres: 1.6 PSIA(83MMHG)@100F(38C

Vapor Density: 3.4(AIR=1)

Spec Gravity:0.688@60/60F(16/16C) Evaporation Rate & Eference:>1 Solubility in Water:NEGLIGIBLE

Appearance and Odor:CLEAR LIQUID; MILD, SWEET O

DOR.

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

OXYGEN AND STRONG OXIDIZING AGENTS.

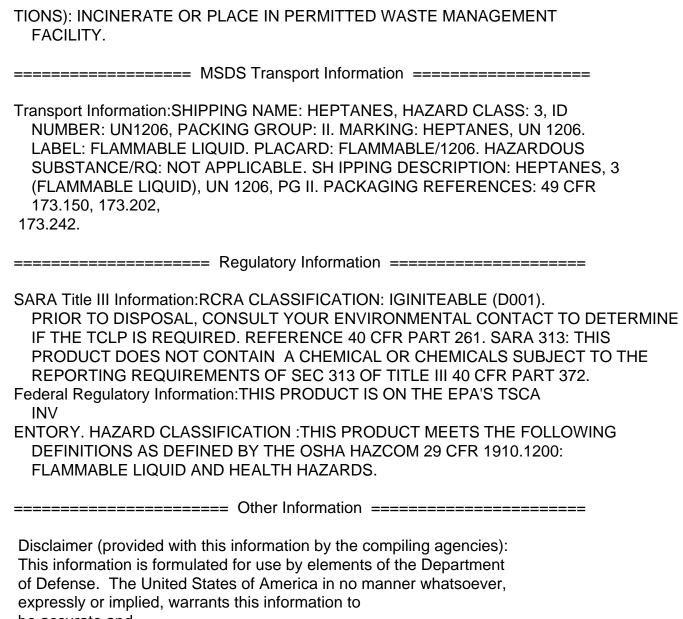
Stability Condition to Avoid: NOT APPLICABLE.

Hazardous Decomposition Products: CARBON OXIDES FROMED WHEN BURNED.

Conditions to Avoid Polymerization: WILL NOT OCCUR.

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

Waste Disposal Methods:(INSURE CONFORMITY WITH ALL APPLICABLE DISPOSAL REGULA



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