

PHILLIPS 66 CO. -- 150444,ASTM ISOOCTANE KNOCK TEST REFERENCE -- 6810-00-097-4161
===== Product Identification =====

Product ID:150444,ASTM ISOOCTANE KNOCK TEST REFERENCE

MSDS Date:07/31/1991

FSC:6810

NIIN:00-097-4161

MSDS Number: BRKRX

=== Responsible Party ===

Company Name:PHILLIPS 66 CO.

Address:699 ADAMS BLDG

City:BARTLESVILLE

State:OK

ZIP:74004

Country:US

Info Phone Num:918-661-8327, 918-661

-5952

Emergency Phone Num:918-661-8118

CAGE:6Y142

=== 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

Country:US

Phone:800-234-6603

CAGE:46935

===== Composition/Information o

n Ingredients =====

Ingred Name:ISOCTANE, (2,2,4-TRIMETHYLPENTANE)

CAS:540-81-1

RTECS #:SA3320000

Fraction by Wt: 100%

Other REC Limits:NONE SPECIFIED

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

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

Health Hazards Acute and Chronic:EYES: IRRITATION. SKIN: IRRITATION,
DEFATTING, DERMATITIS. INHALATION: MUCOUS MEMBRANE IRRITATION,
HEADACHE, DIZZINE

SS, DROWSINESS, CNS EFFECTS, CARDIAC DYSRHYTHMIAS,
RESPIRATORY ARREST, UNCONSCIOUSNESS, CONVULSIONS. INGESTION:
NAUSEA, VOMITING, ABDOMINAL PAIN, DIARRHEA, CNS DEPRESSION.

Effects of Overexposure:EYES: IRRITATION. SKIN: IRRITATION, DEFATTING,
DERMATITIS. INHALATION: MUCOUS MEMBRANE IRRITATION, HEADACHE,
DIZZINESS, DROWSINESS, CNS EFFECTS, CARDIAC DYSRHYTHMIAS,
RESPIRATORY ARREST, UNCONSCIOUSNESS, CONVULSIONS. INGESTION:
NAUSEA, VOMITING, ABDOMINAL PAIN, DIARRHEA, CNS DE
PRESSION.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

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
ATTEN

TION. INGESTION: DO NOT INDUCE VOMITING. GET MEDICAL
ATTENTION.

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

Flash Point Method:TCC

Flash Point:18.0F,-7.8C

Lower Limits:1.0

Upper Limits:6.0

Extinguishing Media:DRY CHEMICAL, FOAM OR CARBON DIOXIDE.

Fire Fighting Procedures:EVACUATE AREA, SHUT OFF SOURCE. WATER SPRAY
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

d: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

ING

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 OF CONTROLLING LEAKS AND SPILLS. BOND AND GROUND CONTAINERS DURING TRANSFER.

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

Respiratory Protection:USE NIOSH/MSHA APPROVED AIR PURIFYING RESPIRATOR FOR CONCENTRATIONS EXCEEDING THE RECOMMENDED EXPOSURE LEVEL.

Ventilation:USE ADEQUATE VENTILATION TO CONTROL EXPOSURE BELOW RECOMMENDED LEVELS.

Protective Gloves:USE NEOPRENE GLOVES.

Eye Protection:SAFETY 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, O

R SMOKING. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

PERSONAL 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

Boiling Pt:B.P. Text:211F,99C

Vapor

Pres:1.7 PSIA

Vapor Density:3.9

Spec Gravity:0.696

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

Solubility in Water:NEGLIGIBLE

Appearance and Odor:COLORLESS LIQUID. MILD, GASOLINE ODOR.

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

OXYGEN AND STRONG OXIDIZING MATERIALS.

Stability Condition to Avoid:NOT ESTABLISHED.

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE AND

VARIOUS HYDROCARBONS 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. INCINERATE OR PLACE IN RCRA PERMITTED WASTE MANAGEMENT FACILITY IF ALLOWED.

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