

PHILLIPS CHEMICAL COMPANY -- I50500 RESEARCH GRADE ISOOCTANE -- 6810-00-097-4161
===== Product Identification =====

Product ID:I50500 RESEARCH GRADE ISOOCTANE

MSDS Date:05/01/1989

FSC:6810

NIIN:00-097-4161

MSDS Number: BCYNJ

=== Responsible Party ===

Company Name:PHILLIPS CHEMICAL COMPANY

Address:758 ADAMS BLDG (4TH AND KEELER)

City:BARTLESVILLE

State:OK

ZIP:74004

Country:US

Info Phone Num:918-66

1-8327

Emergency Phone Num:918-661-3865/8118

CAGE:FO153

=== Contractor Identification ===

Company Name:HONEYWELL, BURDICK AND JACKSON

Address:1953 S HARVEY STREET

Box:City:MUSKEGON

State:MI

ZIP:49442-6101

Country:US

Phone:800-368-0050/800-707-4555

CAGE:2H215

Company Name:PHILLIPS CHEMICAL CO/BARTLESVILLE, OK 74004

CAGE:FO153

Company Name:PHILLIPS PETROLEUM CO

Address:613 ADAMS

Box:City:BARTLESVILLE

State:OK

ZIP:74004

Country:US

Phone:800-234-6603

CAGE:46935

Company Name:PHIPPS PRODUCTS CORP

Addr

ess:186 LINCOLN ST SUITE 502
Box:City:BOSTON
State:MA
ZIP:02111-2403
Country:US
Phone:OUT OF BUSINESS
CAGE:86511

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

Ingred Name:ISOOCTANE
CAS:540-81-1
RTECS #:SA3320000
Fraction by Wt: 99.98%

Ingred Name:2,2-DIMETHYLHEXANE
CAS:590-73-8
Fraction by Wt: 0.02%

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

Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO O
SHA:NO

Health Hazards Acute and Chronic:ACUTE: INHALATION: MAY CAUSE SLIGHT
MUCOUS MEMBRANE IRRITATION, RAPID BREATHING, FATIGUE, HEADACHE,
DIZZINESS. EYE: MAY PRODUCE IRRITATION. SKIN: MAY CAUSE DEFATTING
OF THE SKIN OR DERMATITIS. INGESTION: MAY CAUSE DIARRHEA, SLIGHT
CNS DEPRESSION, DIFFICULTY BREATHING & FATIGUE. CHRONIC: NO KNOWN
APPLICABLE INFORMATION.

Explanation of Carcinogenicity:THIS PRODUCT HAS NOT SHOWN ANY EVIDENCE
OF BEING CARCINOGENIC.

Effects of Overexposure:

OVEREXPOSURE MAY LEAD TO RESPIRATORY
IRRITATION, NAUSEA, FATIGUE, DIZZINESS, HEADACHES, CENTRAL NERVOUS
SYSTEM EFFECTS, RESPIRATORY ARREST, CONVULSIONS OR UNCONSCIOUSNESS,
DERMATITIS AND EYE IRRITATION. MAY BE ASPIRATED INTO THE LUNGS IF
SWALLOWED, RESULTING IN PULMONARY EDEMA AND CHEMICAL PNEUMONITIS.

Medical Cond Aggravated by Exposure:ISOOCTANE HAS PRODUCED KIDNEY
DAMAGE IN MALE RATS ONLY IN A SUBCHRONIC ORAL LABORATORY STUDY. NO
COMPARABLE HEALTH HAZARD FOR KIDNEY

Y DISEASE IS KNOWN TO OCCUR IN HUMANS.

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

First Aid:SKIN: REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER. GET MEDICAL ATTENTION IF IRRITATION PERSISTS. INHALATION: REMOVE TO FRESH AIR & RESTORE BREATHING IF NECESSARY. GET MEDICAL ATTENTION. EYE : IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. INGESTION: GET IMMEDIATE MEDICAL ATTENTION. DO NOT INDUCE VOMITING. NOTHING BY MOUTH IF UNCONSCIOUS.

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

Flash Point Method:TCC
Flash Point:18.0F,-7.8C
Autoignition Temp:Autoignition Temp Text:779F
Lower Limits:1.0
Upper Limits:6.0
Extinguishing Media:CARBON DIOXIDE, DRY CHEMICAL, FOAM
Fire Fighting Procedures:EVACUATE AREA, SHUT OFF SOURCE. WEAR SCBA & OTHER PROTECTIVE EQUIPMENT. WATER SPRAY MAY BE USED TO COOL FIRE EXPOSED CONTAINERS. DO NOT SPRAY WATER ON FIRE.
Unusual Fire/Explosion Hazard:HIGHLY FLAMMABLE VAPORS WHICH ARE HEAVIER THAN AIR MAY ACCUMULATE IN LOW AREAS AND/OR SPREAD ALONG GROUND AWAY FROM HANDLING SITE. PRODUCT WILL FLOAT ON WATER.

=====
===== 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.

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

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL VENTILATED AREA AWAY FROM SOURCES OF IGNITION. KEEP CONTAINERS CLOSED WHEN NOT IN USE. EMPTY CONTAINERS MAY BE HAZARDOUS.
Other Precautions:AVOID CONTACT WITH EYES, SKIN, OR CLOTHING. AVOID BREATHING VAPORS. WEAR PROTECTIVE EQUIPMENT AND/OR GARMENTS. WASH THOROUGHLY AFTER HANDLING. LAUNDRY CONTAMINATED

CLOTHING BEFORE

REUSE. PROVIDE MEANS OF CONTROLLING LEAKS AND SPILLS.

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

Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIRATOR. AIR-SUPPLIED OR FILTERING TYPE WITH ORGANIC VAPOR CARTRIDGES ARE RECOMMENDED FOR CONCENTRATIONS EXCEEDING THE RECOMMENDED EXPOSURE LEVEL.

Ventilation:LOCAL AND MECHANICAL EXHAUST RECOMMENDED. AVOID OPEN ELECTRICAL SOURCES NEAR PRODUCT VAPOR AREAS.

Protective Gloves:NEOPRENE, NITRILE,
OR POLYVINYL ALCOHOL

Eye Protection:USE CHEMICAL SAFETY GOGGLES & FACESHIELD

Other Protective Equipment:EYE WASH STATION & SAFETY SHOWER.

Work Hygienic Practices:DO NOT TAKE INTERNALLY. AVOID SKIN CONTACT.

WASH SKIN AFTER USING PRODUCT. DO NOT EAT, DRINK OR SMOKE IN WORK AREA.

Supplemental Safety and Health

NONE

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

HCC:F2

Boiling Pt:=99.4C, 211.F

Melt/Freeze Pt:=-107.2C, -161.F

Vapor Pres:88

Vapor Density:3.9

Spec Gravi

ty:0.696

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

Solubility in Water:NEGLIGIBLE

Appearance and Odor:CLEAR, COLORLESS LIQUID - MILD GASOLINE 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:EXTREAM HEAT OR SOURCES OF IGNITION

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE AND OTHER HYDROCARBON

COMPOUNDS DURING COMBUSTION.

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

Waste Disposal Methods:WASTE MAY BE BURNED IN AN APPROVED INCINERATOR OR DISPOSED OF IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS.

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.