

FISHER SCIENTIFIC -- 0300, ISOCTANE -- 6810-00-951-7159

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

Product ID:0300, ISOCTANE

MSDS Date:10/29/1991

FSC:6810

NIIN:00-951-7159

MSDS Number: BPQVQ

=== Responsible Party ===

Company Name:FISHER SCIENTIFIC

Address:1 REAGENT LANE

City:FAIR LAWN

State:NJ

ZIP:07410-2802

Country:US

Info Phone Num:201-796-7100

Emergency Phone Num:201-796-7100;800-424-9300(CHEMTREC)

CAGE:1B464

=== Contractor Identification ===

Company Name:FISHER SCIENTIFIC CO. CHEMICAL MFG DIV

Address:1 REAGENT LANE

Box:City:FAIRLAWN

State:NJ

ZIP:07410-2802

Country:US

Phone:201-796-7100

CAGE:1B464

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

Ingred Name:PENTANE, 2,2,4-TRIMETHYL-; (ISOCTANE)

CAS:540-81-1

RTECS #:SA3320000

Fraction by Wt: >99%

Ingred Name:HYDROCARBONS; (VARIOUS LIGHT HYDROCARBONS)

Fraction by Wt: 5000 MG/KG (PHILLIPS 66)

Routes of Entry: Inhalati

on:YES Skin:YES Ingestion:YES

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

Health Hazards Acute and Chronic:ACUTE:INHAL:MAY CAUSE IRRIT OF MUC MEMB. EXPOS MAY CAUSE RAPID BRTHG, DIZZ, FATIGUE, HDCH, LIGHT-HEADED, LACK OF COORD, NAUSEA, NARCOSIS & OTHER CNS EFTS. EXTREME EXPOS MAY CAUSE UNCON & RESP ARREST. RATS EXPSD TO 33.52 MG/L FOR 4 HRS EXHIBITED RAPID RESP & PROSTRATION. SKIN:MAY CAUSE IRRIT W/REDNESS. (EFTS OF OVEREXP)

Explanation of Carcinogenicity:NOT RELEVANT

Effects of Overexposure:HLTH HAZ:IF SUFFICIENT AMTS ABSORBED, SYSTEMIC TOX MAY OCCUR. EYE:MAY CAUSE IRRIT W/REDNESS. INGEST:MAY CAUSE DIARRHEA, DFCLTY BRTHG, FATIGUE & SLIGHT CNS DEPRESS. MAY BE ASPIR INTO LUNGS & CAUSE PULM EDEMA, PULM LESIONS & CHEM PNEUM. RATSGIVEN 5000 MG/KG BY GASTRIC LAVAGE EXHIBITED DEPRESS, SALIVATION, (ING 8)

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:INHAL:REMOVE TO FRESH AIR IMMED. IF BRTHG STOPPED, GIVE ARTF RESP. KEEP WARM/AT REST. TREAT SYMPTOMATICALLY & SUPPORTIVELY. GET MD IMMED. SKIN:REMOVE CONTAMD CLTHG & SHOES IMMED. WASH AFFECTED AREA W/ SOAP/MILD DETERGENT & LG AMTS OF WATER UNTIL NO EVID OF CHEM REMAINS (APPROX 15-20 MIN). GET MD IMMED. EYE:WASH IMMED W/LG AMTS OF WATER/NORM SALINE, OCCSNLY LIFTING LIDS UNTIL NO EVID OF CHEM(ING 12)

===== Fire Fighting Measures =====
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Flash Point Method:CC

Flash Point:10F,-12C

Lower Limits:1.1%

Upper Limits:6%

Extinguishing Media:DRY CHEMICAL, CARBON DIOXIDE, WATER SPRAY/REGULAR FOAM. LARGER FIRES:USE WATER SPRAY, FOG OR REGULAR FOAM.

Fire Fighting Procedures:WEAR NIOSH/MSHA APPRVD SCBA & FULL PROT EQUIP. MOVE CNTNRS FROM FIRE AREA IF W/OUT RISK. APPLY COOLING WATER TO SIDES OF CNTNRS EXPSD TO FLAMES(SUPP DATA)

Unusual Fire/Explosion Hazard:DANGEROUS FIRE HAZ WHEN EXPSD TO HEAT/FLAME. VAPS HEAVIER THAN

AIR & MAY TRAVEL CONSIDERABLE

DISTANCE TO SOURCE OF IGNIT & FLASH BACK. VAP-AIR MIXT ARE (ING 7)

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

Spill Release Procedures:SHUT OFF IGNIT SOURCES. STOP LEAK IF W/OUT RISK. USE WATER SPRAY TO REDUCE VAPS. SML:TAKE UP W/SAND/OTHER ABSORB MATL & PLACE INTO CNTNRS FOR LATER DISP. LG:DIKE FAR AHEAD OF SPILL FOR LATER DISP. NO SMOKING, FLAMES/FLARES IN HAZ AREA. (ING 17)

Neutralizing Agent:NONE SPECIFIED BY MANU FACTURER.

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

Handling and Storage Precautions:STORE I/A/W 29 CFR 1910.106. KEEP IN TIGHTLY CLOSED CNTNR. STORE IN COOL, DRY, VENT AREA. STORE AWAY FROM INCOMPATIBLE SUBSTANCES.

Other Precautions:OBSERVE ALL FED, STATE & LOCAL REGS WHEN STORING SUBSTANCE. FOR ASSISTANCE, CNTCT DIST DIR OF EPA. SUBSTANCES W/LOW ELECTROCONDUCTIVITY WHICH CAN BE IGNITED BY ELECTROSTATIC SPARKS SHOULD BE STORED IN CNTNRS WHICH MEE T BONDING & (ING 18)

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

Respiratory Protection:SPECIFIC RESPIRATOR SELECTED MUST BE BASED ON CONTAM LEVELS FOUND IN WORK PLACE, ON SPECIFIC OPERATION, MUST NOT EXCEED WORKING LIMITS OF RESPIRATOR & MUST BE NIOSH/MSHA APPRVD. FOR ADDITIONAL INFORMA TION ON RESPIRATOR USE,CNTCT NEHC.

Ventilation:PROVIDE LOCAL EXHAUST VENTILATION TO MEET PUBLISHED EXPOSURE LIMITS. VENTILATION EQUIPMENT MUST BE EXPLOSION-PROOF.

Protec tive Gloves:IMPERVIOUS GLOVES .

Eye Protection:CHEMICAL WORKERS GOGGLES .

Other Protective Equipment:APPROPRIATE PROTECTIVE (IMPERVIOUS) CLOTHING & EQUIPMENT. PROVIDE EYE WASH FOUNTAIN W/IN IMMED WORK AREA FOR EMER USE.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

FIRE FIGHT PROC:UNTIL WELL AFTER FIRE OUT. STAY AWAY FROM ENDS OF TANKS. FOR MASSIVE FIRE IN CARGO AREA, USE UNMANNED HOSE HOLDER/MONITOR NOZZ; IF IMPOSS, W/DRAW FROM AREA & LET

FIRE BURN.

W/DRAW IMMEDIATELY IN CASE OF RISING SOUND FROM VENTING SAFETY
DEVICE/ANY DISCOLORATION OF TANK DUE TO FIRE. ISOLATE FOR 1/2 MILE
(ING 3)

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

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

Melt/Freeze Pt:M.P/F.P Text:-161F,-107C

Vapor Pres:41 @ 21C

Spec Gravity:0.69

Evaporation Rate & Reference: