

FISHER SCIENTIFIC CHEMICAL -- HEXANES, H291 -- 6810-00-830-7864

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

Product ID:HEXANES, H291

MSDS Date:05/15/1997

FSC:6810

NIIN:00-830-7864

Status Code:A

MSDS Number: CHVNG

=== Responsible Party ===

Company Name:FISHER SCIENTIFIC CHEMICAL

Address:1 REAGENT LANE

City:FAIRLAWN

State:NJ

ZIP:07430

Country:US

Info Phone Num:201-769-7100

Emergency Phone Num:800-424-9300(C

HEMTREC)

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:NO INGREDIENT FOR THIS FORMULATION_INGREDIENT

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

Routes of Entry: Inhalation:YES Skin

:YES Ingestion:YES

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

Health Hazards Acute and Chronic:ACUTE: INHAL:N-HEXANE:880 PPM FOR 15 MIN HAS CAUSED UPPER RESP TRACT IRRIT. EXPOS TO 1000-5000 PPM MAY PROD HDCH, NAUS & DIZZ. OTHER EFTS MAY INCL GIDD, COUGHING, NUMBNESS IN THE EXTREM, DFCLTY WALKIN G, DEFECTS OF MEMORY, EXCITEMENT FOLLOWED BY DEPRESS & UNCONSCIOUSNESS. ANESTHESIA OF SHORT DURATION (EFTS OF OVEREXP)

Explanation of Carcinogenicity:NOT RELEVANT.

Effects o

f Overexposure:HLTH HAZ:W/OUT SEQUELA IS POSS. PULM EDEMA CARDIAC ARRHY, BRAIN DMG CARDIAC AREST & DEATH MAY RSLT. HIGH CONCS MAY PRDCE ASPHYMIAL CONVL HAVE BEEN PRDCED IN ANIMALS. IRRIT NARCOTIC:MAY CAUSE IRRIT TO THE MUC MEMBS LIQ ALIPHATIC C5 C9 HAVE ANESTH & CNS DEPRESSANT ACTIONS. SYMPS MAY INCL, BUT ARE NOT LTD TO DIZZ,(SUPDAT)

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

Firs

t Aid:INGEST: CALL MD IMMEDIATELY . INHAL: REMOVE TO FRESH AIR. SUPPORT BREATHING (GIVE O*2/ARTF RESP) . EYES: IMMEDIATELY FLUSH W/POTABLE WATER FOR A MINIUIM OF 15 MINUTES, SEEK ASSISTANCE FROM MD . SKIN: FLUSH W/COPIOUS AMOUNTS OF WATER. CALL MD . FOR MORE SPECIFIC INFORMATION CONTACT NEHC .

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

Flash Point Method:CC

Flash Point:-7F, -22C

Lower Limits:1.1%

Upper Limits:7.5%

Extinguishing Media:DRY CHEMICAL, CARB ON DIOXIDE, WATER SPRAY OR

REGULAR FOAM. FOR LARGER FIRES: USE WATER SPRAY, FOG OR REGULAR FOAM.

Fire Fighting Procedures:USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT . FOR MORE SPECIFIC INFORMATION CONTACT NEHC .

Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

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

Spill Release Procedures:SHUT OFF IGNIT SOURCES. STOP LEAK IF YOU CAN DO IT W/OUT RISK. USE WATER SPRAY TO REDUCE VAPS/SMALL SPILLS

, TAKE

UP W/SAND/OTHER ABSORB MATL & PLACE INTO CNTNRS FOR LATER DISP. FOR LRGR SPILLS, DIKE M ATL & PLACE INTO CNTNRS FOR LATER DISP (ING 20)
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE I/A/W 29 CFR 1010 108. BONDING & GROUNDING.

Other Precautions:SUBSTANCES WITH LOW ELECTROSTATIC, WHICH MAY BE IGNITED BY ELECTROSTATIC SPARKS, SHOULD BE STORED IN CONTAINERS WHICH MEET THE BONDING AND GROUNDING GUIDELINES SPECIFIED IN NFPA, 77-1983. STORE AWAY FR OM INCOMPATIBLE SUBSTANCE.

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

Respiratory Protection:NIOSH APPROVED RESPIRATOR APPROPRIATE FOR EXPOSURE OF CONCERN . FOR MORE SPECIFIC INFORMATION CONTACT NEHC .

Ventilation:PROVIDE LOC EXHST/GEN DILUTION VENT TO MET PUBLISHED EXPOS LIMS. VENT EQUIP SHOULD BE EXPLOSION PROOF IF (ING 21)

Protective Gloves:IMPERVIOUS GLOVES .

Eye Prote

ction:ANSI APPROVED CHEM WORKERS GOGGS(ING 23)

Other Protective Equipment:ANSI APPRVD EMER EYE WASH & DELUGE SHOWER . EMPLOYEE MUST WEAR APPROP PROT (IMPERVIOUS) CLTH & EQUIP (ING 22)

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

MATLS TO AVOID:FOR MORE SPECIFIC INFO CNTCT NEHC . CNDTNS (STAB):MAY VIOLENTLY RUPTURE IN HEAT/FIRE. AVOID CONTAMINATION OF WATER SOURCES. EFTS OF OVEREXP:DROW, INCOORD, CONVL COLLASPE/COMA. SOM E ISOHEXANE ISOMER

S HAVE BEEN DOCUMENTED TO SENSITIZE MYOCARDIUM TO EPINEPHRINE. SKIN:N-HEXANE:VAPS MAY CAUSE (ING 10)

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

Boiling Pt:B.P. Text:136F,58C

Melt/Freeze Pt:M.P/F.P Text:-139F, -95C

Vapor Pres:124 @ 20C

Vapor Density:3.0

Spec Gravity:0.7

Solubility in Water:INSOLUBLE

Appearance and Odor:COLORLESS LIQUID, FAINT ODOR, VERY VOLATILE

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

Stability Indicator/Materials to A

void:YES

N-HEXANE:CALCIUM HYPOCHLORITE, CHLORINE (LIQUID), DINITROGEN
TETRAOXIDE, MAGANESIUM, OXIDIZERS (STRONG) (SUPDAT)

Stability Condition to Avoid:AVOID CNTCT W/HEAT, SPARKS, FLAMES/OTHER
SOURCES OF IGNIT. VAPS MAY BE EXPLOSIVE. AVOID OVERHEATING OF
CNTNRS, (SUPDAT)

Hazardous Decomposition Products:THERMAL DECOMPOSITION PRODUCTS MAY
INCLUDE TOXIC OXIDES OF CARBON.

Conditions to Avoid Polymerization:HAZARDOUS POLYMERIZATION HAS NOT
BEEN REPORTED TO OCCUR UNDER NORMAL TEMPE
RATURES AND PRESSURES.

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

Waste Disposal Methods:OBSERVE ALL FEDERAL, STATE AND LOCAL REGULATIONS
WTHER STORING OR DISPOSING OF THIS SUBSTANCE. DISPOSAL MUST BE IN
ACCORDANCE WITH STANDARD APPLICABLE TO GENERATORS OF HAZARDOUS
WASTE.

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