

FISHER SCIENTIFIC -- HEXANES -- 6810-00-949-0257

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

Product ID:HEXANES

MSDS Date:10/29/1991

FSC:6810

NIIN:00-949-0257

MSDS Number: BNRGP

=== Responsible Party ===

Company Name:FISHER SCIENTIFIC

Address:1 REAGENT LANE

City:FAIR LAWN

State:NJ

ZIP:07410

Country:US

Info Phone Num:201-796-7100

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

CAGE:1B464

=== Contra

ctor 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:HEXANE (N-HEXANE)

CAS:110-54-3

RTECS #:MN9275000

Fraction by Wt: >99%

OSHA PEL:500 PPM

ACGIH TLV:50 PPM; 9293

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

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

LD50 LC50 Mixture:L

D50:ORAL(RAT) = 28.7 MG/KG.

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

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

Health Hazards Acute and Chronic:ACUTE: PRODUCT IS IRRITATING TO BODY TISSUES. INHALATION PRODUCES CNS DEPRESSION AND NARCOTIC EFFECTS. PROLONGED AND/OR REPEATED OVEREXPOSURES MAY PRODUCE INTENSIFIED EFFECTS.

Explanation of Carcinogenicity:CARCINOGEN STATUS: NONE

Effects of Overexposure:EYE:IRRITATION, BURNING. SKIN: IRRITATION, DEFATTING, DRY

ING & CRACKING. DERMATITIS WITH PROLONGED/REPEATED CONTACT. INHALED: RESPIRATORY IRRITATION, CNS DEPRESSION, HEADACHE DIZZINESS, NAUSEA. INGESTED: G/I IRRITATION, CNS EFFECTS AS WHEN INHALED, NAUSEA, VOMITING WITH RESULTANT ASPIRATION INTO LUNGS.

Medical Cond Aggravated by Exposure:SUPPLIER DID NOT ADDRESS THIS FIELD.

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

First Aid:EYE:FLUSH W/WATER 15 MIN, HOLD LIDS OPEN. SKIN:WASH WITH SOAP & WATER. REMOVE

CONTAMINATED CLOTHING AND LAUNDRY BEFORE REUSE.

INHALED:REMOVE TO FRESH AIR. RESTORE BREATHING IF NECESSARY.

INGESTED:DO NOT INDUCE VOMITING. GIVE 2 LARGE GLASSES OF MILK OR WATER AND GET IMMEDIATE MEDICAL CARE. DOCTOR TO ORDER VOMITING. NOTHING BY MOUTH IF UNCONSCIOUS. IF IRRITATION PERSISTS OR IS SEVERE,SEE A DOCTOR.

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

Flash Point Method:CC

Flash Point:-7F,-22C

Lower Limits:1.1%

Upper Limits:7.5%

Extingu

ishing Media:DRY CHEMICAL, CO2, HALON, WATER SPRAY OR STANDARD FORM. FOR LARGER FIRES, USE WATER SPRAY, FOG OR STANDARD FORM.

Fire Fighting Procedures:MOVE CONTAINER FROM FIRE AREA IF W/O RISK.

COOL FIRE-EXPOS CONTAINERS W/H2O. AVOID BREATHING TOXIC VAPORS. KEEP UPWIND. WATER MAY BE INEFFECTIVE.

Unusual Fire/Explosion Hazard:DANGEROUS FIRE HAZ WHEN EXPOS TO HEAT/FLAME. VAPS ARE >AIR & MAY TRAVEL CONSIDERABLE DIST TO SOURCE OF IGNIT & FLASH BACK. VAP-AIR MIXT ARE EXPLO ABOVE F

L PT.

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

Spill Release Procedures:SHUT OFF IGNIT SOURCES. STOP LEAK IF W/OUT RISK. USE H2O SPRAY TO REDUCE VAPS. SM SPILL:TAKE UP W/SAND/OTHER ABSORB MATL/PLACE IN CNTNR FOR LATER DISP. LG SPILLS:DIKE FAR AHEAD FOR LATER DISP. KEEP UN NEC PERS AWAY; ISOLATE HAZ AREA & RESTRICT ENTRY.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE I/A/W 29CFR1910.106. STORE AWAY FROM INCOMPATIBLE MATERIALS.

Other Precautions:MAY BE IGNITED BY STATIC ELECTRICITY. GROUND CONTAINERS WHEN TRANSFERRING LIQUID, ESPECIALLY FOR 5 GALLON LARGER CONTAINERS.

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

Respiratory Protection:IF VENTILATION IS UNABLE TO CONTROL EXPOSURE BELOW PEL/TLV, USE NIOSH APPROVED FULL FACEPIECE SUPPLIED AIR RESPIRATOR OR FULL FACEPIECE SCBA.

Ventilation:PROVIDE LOCAL EXHAUST OR GENERAL DILUTION VENTILATION TO MEET PUBLISHED EXPOSURE LIMITS. USE EXPLOSION PROOF EQUIPMENT.

Protective Gloves:APPROPRIATE IMPERVIOUS PROTECTIVE

Eye Protection:SPLASH PROOF GOGGLES

Other Protective Equipment:APPROPRIATE PROTECTIVE IMPERVIOUS CLOTHING TO PREVENT CONTACT. PROVIDE EYE WASH FOUNTAIN IN IMMEDIATE WORK AREA.

Work Hygienic Practices:SUPPLIER DID NOT ADDRESS THIS FIELD.

Supplemental Safety and Health

MSDS RECEIVED FROM NAVY (FOCAL POINT N). NAVY IDENTIFIED NSN. *AVOID

CONTACT WITH HEAT, SPARKS, FLAMES OR OTHER SOURCES OF IGNITION.

*VAPORS MAY BE EXPLOSIVE. *OVERHEATED CONTAINERS (FIRE-EXPOSED) MAY VIOLENTLY RUPTURE. *AVOID CONTAMINATION OF WATER SOURCES.

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

HCC:F2

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

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

Vapor Pres:124 MM

Vapor Density:3

Spec Gravity:0.7

Solubility in Water:INSOLUBLE

Appearance and Odor:VERY VOLATILE, COLORLESS LIQ

UID WITH FAINT ODOR.

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

Stability Indicator/Materials to Avoid: YES

CALCIUM HYPOCHLORITE, CHLORINE(LIQ), STRONG OXIDIZERS, CONC O2, SODIUM HYPOCHLORITE ARE FIRE & EXPLO HAZS.

Stability Condition to Avoid: HIGHLY FLAMMABLE!! AVOID HEAT, SPARKS, FLAME, AND OTHER SOURCES OF IGNITION.

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

Conditions to Avoid Polymerization: WILL NOT OCCUR.

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

Waste Disposal Methods: DISPOSAL MUST BE I/A/W STANDARDS APPLICABLE TO GENERATORS OF HAZARDOUS WASTE, 40CFR262, EPA HAZARDOUS WASTE NUMBER D001.

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