

SPECTRUM CHEMICAL -- HEXANES -- 6810-00-949-0257

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

Product ID:HEXANES
MSDS Date:07/30/1999
FSC:6810
NIIN:00-949-0257
Status Code:A
MSDS Number: CLJRH
=== Responsible Party ===
Company Name:SPECTRUM CHEMICAL
Address:14422 S SAN PEDRO ST
City:GARDENA
State:LA
ZIP:99851
Country:US
Info Phone Num:310-516-8000
Emergency Phone Num:310-516-8000
Resp. Party Other MSDS Num
.:CODE: H3134. CAT # SEE SUPPL
Preparer's Name:G. A. BINAS
Chemtec Ind/Phone:(800)424-9300
CAGE:63415

=== Contractor Identification ===

Company Name:SPECTRUM LABORATORY PRODUCTS INC
Address:14422 S SAN PEDRO ST
Box:City:GARDENA
State:CA
ZIP:90248-2027
Country:US
Phone:310-516-8000/FAX: 310-516-9843
CAGE:63415

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

Ingred Name:HEXANE (N-HEXANE) (CERCLA)
CAS:110-54-3
RTECS #:MN9275000
= Wt:100.
Other REC Limits:NONE RECOMMENDED
OSH

A PEL:500 PPM
ACGIH TLV:50 PPM; 9596
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

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===== Hazards Identification =====
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LD50 LC50 Mixture:ACUTE ORAL LD50: 28710 MG/KG (RAT)
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Health Hazards Acute and Chronic:ACUTE: VERY HAZARDOUS IN CASE OF SKIN CONTACT, OF EYE CONTACT, OF INGESTION, OF INHALATION. CHRONIC: VERY HAZARDOUS IN CASE OF SKIN CONTACT, OF EYE CONTACT, OF INGESTION, OF INHALATION. THE SUBSTANCE IS TOXIC TO LUNGS. REPEATED OR PROLONGED EXPOSURE TO THE SUBSTANCE CAN PRODUCE TARGET ORGANS DAMAGE. REPEATED OR PROLONGED INHALATION OF VAPORS MAY LEAD TO CHRONIC RESPIRATORY IRRITATION.
Explanation of Carcinogenicity:NO DATA PROVIDED BY MANUFACTURER
Effects of Overexposure:INFLAMATION OF THE EYE IS CHARACTERIZED BY REDNESS, WATERING, AND ITCHING. SKIN INFLAMATION IS CHARACTERIZED BY ITCHING, SCALING, REDDENING, OR, OCCATIONALLY, BLISTERING.
Medical Cond Aggravated by Exposure:NO DATA PROVIDED BY MANUFACTURER

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===== First Aid Measures =====
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First Aid:EYE: REMOVE ANY CONTACT LENSES. IMMEDIATELY FLUSH WITH WATER FOR AT LEAST 15 MINUTES, KEEPING LIDS OPEN. DO NOT USE AN EYE OINTMENT. SEEK MEDICAL ATTENTION. SKIN: WASH IMMEDIATELY WITH PLENTY OF WATER . GENTLY & THOROUGHLY WASH THE CONTAMINATED SKIN WITH WATER & NON-ABRASIVE SOAP. COVER THE IRRITATED SKIN WITH AN EMOLLENT. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.
INHALATION: REMOVE TO FRESH AIR. IF BREATHING DIFFICULTY, GIVE ARTIFICIAL RESPIRATION. SEE MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING! SEEK MEDICAL ATTENTION.

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===== Fire Fighting Measures =====
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Flash Point Method:CC
Flash Point:=2.2C, 35.9F
Autoignition Temp:=223.C, 433.4F
Lower Limits:1.10 %
Upper Limits:7.50 %
Extinguishing Media:SMALL FIRE: USE DRY CHEMICAL POWDER. LARGE FIRE: USE ALCOHOL FOAM, WATER SPRAY OR FOG.
Fire Fi

ighting Procedures:NO DATA PROVIDED BY MANUFACTURER

Unusual Fire/Explosion Hazard:NOT AVAILABLE

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

Spill Release Procedures:ABSORB WITH AN INERT MATERIAL AND PUT THE SPILLED MATERIAL IN AN APPROPRIATE WASTE DISPOSAL. LARGE SPILL: KEEP AWAY FROM HEAT. KEEP AWAY FROM SOURCES IF IGNITION. STOP LEAK IF WITHOUT RISK. ABSORB WITH DRY EARTH, SAND OR OTHER NON-COMBUSTIBLE MATERIAL. DO NOT TOUCH SPILLED MATERIAL. PREVENT

ENTRY INTO SEWERS, BASEMENTS, OR CONFINED AREAS; DIKE IF NEEDED.

Neutralizing Agent:NO DATA PROVIDED BY MANUFACTURER

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

Handling and Storage Precautions:STORAGE: NO SPECIFIC STORAGE IS REQUIRED. USE SHELVES OR CABINETS STURDY ENOUGH TO BEAR THE WEIGHT OF THE CHEMICALS. BE SURE THAT IT IS NOT NECESSARY TO STRAIN TO REACH MATERIALS, AND THAT SHELVES ARE NOT OVERLOADED.

Other Precautions:KEEP AWAY FROM HEAT. KEEP AWAY FROM SOURCES OF

IGNITION. GROUND ALL EQUIPMENT CONTAINING MATERIAL. DO NOT INGEST. DO NOT BREATHE GAS/FUMES/VAPORS/SPRAY. IN CASE OF INSUFFICIENT VENTILATION, WEAR SUITABLE RESPIRATORY EQUIPMENT. IF INGESTED, SEEK MEDICAL ADVICE IMMEDIATELY AND SHOW THE CONTAINER OR THE LABEL.

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

Respiratory Protection:A SELF CONTAINED BREATHING APPARATUS SHOULD BE USED TO AVOID INHALATION OF THE PRODUCT.

Ventilation:P

ROVIDE EXHAUST VENTILATION OR OTHER ENGINEERING CONTROLS TO KEEP THE AIRBORNE CONCENTRATIONS OF VAPORS BELOW THEIR RESPECTIVE THRESHOLD LIMIT VALUE.

Protective Gloves:SPILL: GLOVES RECOMMENDED.

Eye Protection:SPLASH GOGGLES

Other Protective Equipment:EYEWASH STATIONS AND SAFETY SHOWERS ARE PROXIMAL TO THE WORK-STATION LOCATION. LAB COAT, VAPOR RESPIRATOR. BE SURE TO USE AN APPROVED/CERTIFIED RESPIRATOR OR EQUIVALENT GLOVES. BOOTS

Work Hygienic Practices:WASH CONTAMINATED CLOTHES

HING BEFORE REUSING

Supplemental Safety and Health

OTHER MSDS INFORMATION CON'T: CATALOG NUMBERS: H1009, H1010, H1011,
SP115, US055, US056, PS689.

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

HCC:F2

Boiling Pt:=68.9C, 156.1F

Melt/Freeze Pt:=-95.C, -139.F

Vapor Pres:124 MMHG @ 20 DEG C

Vapor Density:2.97(AIR=1

Spec Gravity:0.6594 (WATER=1)

pH:NOT AVAILABLE

Solubility in Water:VERY SLIGHTLY

Appearance and Odor:CLEAR COLORLESS LIQUID, SLIGHT ODOR

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Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS

Stability Condition to Avoid:HIGH TEMPERATURES, SPARKS, OPEN FLAMES

Hazardous Decomposition Products:THESE PRODUCTS ARE CARBON OXIDES (CO,
CO2)

===== Toxicological Information =====

Toxicological Information:ROUTES OF ENTRY: DERMAL CONTACT. EYE CONTACT.
INHALATION. INGESTION. TOXICITY TO ANIMALS: ACUTE ORAL TOXICITY
(LD50): 28710 MG/KG (RA

T). CHRONIC EFEFCTS ON HUMANS: THE SUBSTANCE
IS TOXIC TO LUNGS. OTH ER TOXIC EFFECTS ON HUMANS: VERY HAZARDOUS
IN CAE OF SKIN CONTACT (IRRITANT, PERMEATOR), OF INGESTION, OF
INHALATION. SPECIAL REMARKS ON TOXICITY TO ANIMALS: NOT AVAILABLE.
SPECIAL REMARKS ON CHRONIC EFFECTS ON HUMANS: PASSES THROUGHT THE
PLACENTAL BARRIER IN ANIMALS. SPECIAL REMARKS ON OTHER TOXIC
EFEFCTS ON HUMANS. NOT AVAILABLE.

===== Ecological Information =====

Eco

logical:ECOTOXICITY: NOT AVAILABLE. BOD5 AND COD: POSSIBLY HAZARDOUS
SHORT TERM DEGRADATION PRODUCTS AARE NOT LIKELY. HOWEVER, LONG TERM
DEGRADATION PRODUCTS MAY ARISE. TOXICITY OF PRODUCTS OF
DEGRADATION: TH E PRODUCTS O DEGRADATION ARE MORE TOXIC. SPECIAL
REMARKS ON THE PRODUCTS OF BIODEGRADATION: NOT AVAILABLE.

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

Waste Disposal Methods:RECYCLE TO PROCESS, IF POSSIBLE. CONSULT YOUR
LOCAL OR REGIONAL AUTHORI
TIES.

===== MSDS Transport Information =====

Transport Information:DOT CLASSIFICATION: CLASS 3: FLAMMABLE LIQUID.
IDENTIFICATION: SHIPPING NAME: HEXANE, UN/NA: UN1208, PG II.
SPECIAL PROVISIONS FOR TRANSPORT: NOT AVAILABLE.

===== Regulatory Information =====

SARA Title III Information:CERCLA HAZARDOUS SUBSTANCE: HEXANE(S).
Federal Regulatory Information:HAZARDOUS BY DEFINITION OF HAZARD
COMMUNICATIONS STANDARD (29 CF
R 1910.1200). TSCA INVENTORY:
HEXANE(S).
State Regulatory Information:PENNSYLVANIA RTK: HEXANE(S). MASSACHUSETTS
RTK: HEXANE(S).

===== Other Information =====

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