MATERIAL SAFETY DATA SHEET

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INFORMATION PHONE NUMBER:
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NFPA HAZARD RATINGS

HEALTH: 1  FLAMMABILITY: 3
REACTIVITY: 0  SPECIAL HAZARDS:

SECTION I - GENERAL INFORMATION

CATALOG NUMBER(S): HX0293 HX0294 HX0296 HX0297 HX0298
HX0299 HX0299P HX0299S HX0300 HX0310
HX0290 HX0292

CHEMICAL NAME: HEXANE
TRADE NAME: HEXANES
CAS NUMBER: 110-54-3
CHEMICAL FAMILY: ALIPHATIC HYDROCARBON
FORMULA: C6H14
MOLECULAR WEIGHT: 86.18
DOT SHIPPING NAME: HEXANE
DOT NUMBER: UN1208

SECTION II - HAZARDOUS INGREDIENTS

-NONE OTHER THAN SPECIFIED PRODUCT-

SECTION III - PHYSICAL DATA

BOILING POINT (C 760 MM HG): 65°C
MELTING POINT (C): -95°C
SPECIFIC GRAVITY (H2O = 1): 0.6603
VAPOR PRESSURE (MM HG): 125 20°C
PERCENT VOLATILE BY VOL (%): 100
VAPOR DENSITY (AIR=1): 3.0
EVAPORATION RATE (BUAC=1): 9.0
SOLUBILITY IN WATER (%): SLIGHT
APPEARANCE AND ODOR: CLEAR, COLORLESS LIQUID,
CHARACTERISTIC ODOR

SECTION IV - FIRE & EXPLOSION HAZARD DATA

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FLASH POINT (F)........: -7F (CC)
FLAMMABLE LIMITS LEL %: 1.2
FLAMMABLE LIMITS UEL %: 7.5
EXTINGUISHING MEDIA....: CO2, DRY CHEMICAL, FOAM
FIRE FIGHTING PROC:...
   WEAR SELF-CONTAINED BREATHING APPARATUS.
FIRE & EXPL. HAZARDS:...
   DANGEROUS FIRE AND EXPLOSION HAZARD.
   VAPOR CAN TRAVEL DISTANCES TO IGNITION SOURCE AND FLASH BACK.

SECTION V - HEALTH HAZARD DATA (ACUTE AND CHRONIC)
ACGIH TLV/OSHA PEL (TWA).....: (TLV) 50 PPM
                                           (PEL) 500 PPM
TOXICITY DATA....................:
   -IHL-HMN TCLD: 5000 PPM/10M   ORL-RAT LD50: 28710 MG/KG
SYMPTOMS OF EXPOSURE ..........:
   TOXIC BY INGESTION AND INHALATION.
   VAPOR INHALATION CAUSES IRRITATION OF NASAL AND RESPIRATORY PASSAGES,
   HEADACHE, DIZZINESS, NAUSEA, CENTRAL NERVOUS SYSTEM DEPRESSION.
   CHRONIC OVEREXPOSURE CAN CAUSE SEVERE NERVE DAMAGE.
   MAY CAUSE IRRITATION ON CONTACT WITH SKIN OR EYES.
   MAY CAUSE DAMAGE TO KIDNEYS.
MEDICAL COND. AGGRAVATED BY EXP: KIDNEY, RESPIRATORY AND CNS CONDITIONS
ROUTES OF ENTRY...............: INHALATION, INGESTION OR SKIN CONTACT.
CARCINOGENICITY...............:
   THE MATERIAL IS NOT LISTED AS A CANCER CAUSING AGENT.
EMERGENCY FIRST AID.........:
   GET MEDICAL ASSISTANCE FOR ALL CASES OF OVEREXPOSURE
   EYES: IMMEDIATELY FLUSH THOROUGHLY WITH WATER FOR AT LEAST 15 MINUTES.
   SKIN: WASH THOROUGHLY WITH SOAP AND WATER.
   INHALATION: REMOVE TO FRESH AIR; GIVE ARTIFICIAL RESPIRATION IF BREATHING HAS STOPPED.
   INGESTION: DO NOT INDUCE VOMITING; GET MEDICAL ATTENTION.

SECTION VI - REACTIVITY DATA
STABILITY.....................: YES
CONDITIONS TO AVOID ......: HEAT; CONTACT WITHIGNITION SOURCE.
MATERIALS TO AVOID.......: ( ) WATER   ( ) ACIDS
( ) BASES   ( ) CORROSIVES (X) OXIDIZERS
( ) OTHER:
HAZARDOUS POLYMERIZATION.: DOES NOT OCCUR
HAZARDOUS DECOMPOSITION.: COX

SECTION VII - ENVIRONMENTAL PROTECTION PROCEDURES
SPILL RESPONSE:
DIKE SPILL; TAKE UP WITH ABSORBENT; CONTAINERIZE FOR PROPER DISPOSAL
WASTE DISPOSAL: TO BE PERFORMED IN COMPLIANCE WITH ALL CURRENT LOCAL,
STATE AND FEDERAL REGULATIONS.

SECTION VIII - SPECIAL PROTECTION INFORMATION
VENTILATION, RESPIRATORY PROTECTION, PROTECTIVE CLOTHING, EYE PROTECTION:
-MATERIAL SHOULD BE HANDLED OR TRANSFERRED IN AN APPROVED FUME
HOOD OR WITH ADEQUATE VENTILATION
-PROTECTIVE GLOVES (NITRILE, VITON OR EQUIVALENT) SHOULD BE WORN
TO PREVENT SKIN CONTACT
-SAFETY GLASSES WITH SIDE SHIELDS SHOULD BE WORN AT ALL TIMES
-NIOSH-APPROVED RESPIRATOR SHOULD BE WORN IN THE ABSENCE OF ADEQUATE
VENTILATION.

SECTION IX - SPECIAL PRECAUTIONS
HANDLING & STORAGE %:
-KEEP CONTAINER CLOSED.
-STORE IN A COOL AREA AWAY FROM IGNITION SOURCES AND OXIDIZERS.
-DO NOT BREATHE VAPOR.
-DO NOT GET IN EYES, ON SKIN, OR ON CLOTHING.
-ELECTRICALLY GROUND ALL EQUIPMENT WHEN HANDLING THIS PRODUCT
-RETAINED RESIDUE MAY MAKE EMPTY CONTAINERS HAZARDOUS; USE CAUTION!
WORK/HYGIENIC PRACTICES: WASH THOROUGHLY AFTER HANDLING. DO NOT TAKE
INTERNALLY. EYE WASH AND SAFETY EQUIPMENT SHOULD BE READILY AVAILABLE.

SECTION X - OTHER INFORMATION
COMMENTS %:
-TESTS ON LABORATORY ANIMALS INDICATE MATERIAL MAY PRODUCE ADVERSE
MUTAGENIC AND REPRODUCTIVE EFFECTS
REVISION HISTORY %: 05/01/83, 9/26/86, 6/3/87, 8/28/87, 10/27/87
N/A = NOT AVAILABLE:

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