View NSN Online: https://aerobasegroup.com/nsn/6810-00-949-0257

VALERO ENERGY CORPORATION -- HEXANE -- 6810-00-949-0257

Product ID:HEXANE

MSDS Date:04/27/2000

FSC:6810

NIIN:00-949-0257

Status Code:A

MSDS Number: CKTTR === Responsible Party ===

Company Name: VALERO ENERGY CORPORATION

Address:530 MCCULLOUGH AVE

City:SAN ANTONIO

State:TX ZIP:78205 Country:US

Info Phone Num:512-246-2000

Emergency Phone Num:713-923-6641

Resp. Part

y Other MSDS Num.:404

Chemtrec Ind/Phone:(800)424-9300

CAGE:0CC42

=== Contractor Identification ===

Company Name: PHIBRO ENERGY USA, INC.

Address:500 DALLAS AVE.,SUITE 3200

Box:City:HOUSTON

State:TX ZIP:77002 Country:US

Phone:713-646-5127

Contract Num:SP0450-99-M-C592

CAGE:TO125

Company Name: VALERO ENERGY CORPORATION

Address:530 MCCULLOUGH AVE

Box:City:SAN ANTONIO

State:TX ZIP:78205 Country:US

Phone:512-246-2000

CAGE:0CC42

Company Name: WAITE R M CO

Address:2100 EMBARCADERO SUITE 203

Box:City:OAKLA

ND State:CA ZIP:94606 Country:US

Phone:510-535-1266

CAGE:0V485

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

Ingred Name: N-HEXANE

CAS:110-54-3

RTECS #:MN9275000

= Wt:95.

OSHA PEL:1800 MG/M3;500 PPM

EPA Rpt Qty:1 LB DOT Rpt Qty:1 LB

Ingred Name: HEXANES (ALL ISOMERS) (MIXTURE)

Minumum % Wt:1. Maxumum % Wt:4.

Ingred Name: METHYLCYCLOPENTANE

CAS:96-37-7

RTECS #:GY4640000 Minumum % Wt:1. Maxumum % Wt:2.

Ingred Name: N-PENTANE

CAS:109-66-0

RTECS #:RZ9450000

Fraction by Wt: <

1-2%

OSHA PEL:2950 MG/M3;1000 PPM ACGIH TLV:1770 MG/M3;600 PPM ACGIH STEL:2210 MG/M3;750 PPM

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

LD50 LC50 Mixture: NO DATA PROVIDED FOR MIXTURE AS A WHOLE

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:TARGET ORGANS: RESPIRATORY SYSTEM,

SKIN. EYE: MAY CAUSE SEVERE IRRITATION. SKIN: PROLONGED OR REPEATED

CONTACT MAY CAUSE MODERA

TE IRRITATION, DERMATITIS, POSSIBLE

SECONDARY INFECTION & PERIPHERAL NERV E DAMAGE. HIGH PRESSURE SKIN INJECTIONS ARE SERIOUS MEDICAL EMERGENCIES. INHALATION: NASAL & RESPIRATORY TRACT IRRITATION, PERIPHERAL NERVE DAMAGE, & CENTRAL NERVOUS SYSTEM EFFECTS, RESPIRATORY ARRES T & DEATH. INGESTION: MAY BE HARMFUL OR FATAL IF SWALLOWED. DO NOT INDUCE VOMITING! MAY CAUSE GI DISTURBANCES, CNS DEPRESSION. ASPIRATION INTO LUNGS CAN CAUSE SEVERE CHEMICAL PNEUMONITIS OR PULMONA

RY EDEMA/HEMORRHAGE, WHICH CAN BE FATAL.

Explanation of Carcinogenicity:PRODUCT LISTED AS A CARCINOGEN OR POTENTIAL CARCINOGEN BY: NTP-NO; IARC-NO; OSHA-NO; OTHER-NO.

Effects of Overexposure:EYE: MAY CAUSE SEVERE IRRITATION, REDNESS, TEARING, BLURRED VISION & CONJUNCTIVITIS. SKIN: PROLONGED OR REPEATED CONTACT MAY CAUSE MODERATE IRRITATION, DEFATTING (CRACKING), REDNESS, ITCHING, INFLAMMA TION, DERMATITIS, POSSIBLE SECONDARY INFECTION & PERIPHERAL NERVE DAMAGE. HIGH PRES SURE SKIN

INJECTIONS, WITHIN A FEW HOURS, TISSUES WILL BECOME SWOLLEN, DISCOLORED & EXTREMELY PAINFUL. INHALATION: NA SAL & RESPIRATORY TRACT IRRITATION, CNS EFFECTS INCLUDING EXCITATION, EUPHORIA, HEADACHE, DIZZINESS, LOSS OF COORDINATION. INGESTION: CNS EFFECTS SIMILAR TO INHALATION, DIARRHEA, NAUSEA, VOMITING.

Medical Cond Aggravated by Exposure:PREEXISTING EYE, SKIN, HEART, CENTRAL NERVOUS SYSTEM AND RESPIRATORY DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PROD UCT.

First Aid:EYE: FLUSH IMMEDIATELY WITH LOTS OF WATER FOR AT LEAST 15 MINUTES. LIDS SHOULD BE HELD AWAY FROM THE EYE. SEEK MEDICAL ADVICE IF PAIN OR REDNESS CONTINUES. SKIN: WASH THOROUGHLY WITH SOAP & WATER. RE MOVE CONTAMINATED CLOTHING PROMPTLY. IF IRRITATION PERSIST OR SYMPTOMS DESCRIBED IN THE MSDS DEVELOP, SEEK MEDICAL ATTENTION. HIGH PRESSURE SKIN INJECTIONS ARE SERIOUS MEDICAL EMERGENCIES.

GET IMMEDIA TE MEDICAL ATTENTION. SLIGHT INHALATION:
REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, ENSURE CLEAR AIRWAY
& GIVE OXYGEN. INGESTION: DO NOT INDUCE VOMITING! GIVE VEGATABLE
OIL OR CHARCOAL SLURRY. SE EK IMMEDIATE MEDICAL ATTENTION.

Flash Point:=-21.5C, -7.F

FLAMMABLE

Autoignition Temp:=225.C, 437.F

Lower Limits:1.1% Upper Limits:7.5%

Extinguishing Media:FLAMMABLE LIQUID. USE DRY CHEMICAL, FOAM OR CARB

ON

DIOXIDE TO EXTINGUISH THE FIRE. CONSULT FOAM MANUFACTURER FOR APPROPRIATE MEDIA, APPLICATION RATES AND WATER/FOAM RATIO.

Fire Fighting Procedures:WATER CAN BE USED TO COOL FIRE-EXPOSED CONTAINERS, STRUCTURES & TO PROTECT PERSONNEL. IF A LEAK OR SPILL HAS NOT IGNITED, VENTILATE AREA & USE WATERSPRAY TO DISPERSE GAS OR VAPOR & TO PROTECT PERSONN EL ATTEMPTING TO STOP A LEAK. USE WATER TO FLUSH SPILL AWAY FROM SOURCES OF IGNITION. DO NOT FLUSH DOWN PUBLIC SEWERS.

Unu

sual Fire/Explosion Hazard: DANGEROUS WHEN EXPOSED TO HEAT OR FLAME.
VAPORS FORM FLAMMABLE OR EXPLOSIVE MIXTURES WITH AIR AT ROOM
TEMPERATURE. VAPOR OR GAS MAY SPREAD TO DISTANT IGNITION SOURCES
(PILOT LIGHTS, WELDING EQUIPMENT, ELECTRICAL EQUIPMENT, ETC.) &
FLASH BACK. VAPORS MAY ACCUMULATE IN LOW AREAS. VAPORS MAY
CONCENTRATE IN CONFINED AREAS.

=============	Accidental Release Measures	=======================================
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Spill Release Procedures:IF FACILITY OR OPERATION HAS AN "OIL OR

HAZARDOUS SUBSTANCE CONTINGENCY PLAN", ACTIVATE ITS PROCEDURES. STAY UPWIND & AWAY FROM SPILL. WEAR APPROPRIATE PROTECTIVE EQUIPMENT INCLUDING RESPIRATORY PROTE CTION AS CONDITIONS WARRANT. DO NOT ENTER OR STAY IN AREA UNLESS MONITORING INDICATES THAT IT IS SAFE TO DO SO. ISOLATE HAZARD AREA & RESTRICT ENTRY TO EMERGENCY CREW. EXTREMELY FLAMMABLE. (SEE OTHER)

Neutralizing Agent:NO DATA PROVIDED BY RESPONSIBLE PARTY.

 Handling and Storage	=====

Handling and Storage Precautions:STORE IN TIGHTLY CLOSED CONTAINERS IN COOL, DRY, ISOLATED & WELL VENTILATED AREA AWAY FROM HEAT, SOURCES OF IGNITION & INCOMPATIBLE MATERIALS. USE NON-SPARKING TOOLS & EXPLOSION PROOF EQUIPMENT. GROU ND LINES, CONTAINERS, & OTHER EQUIPMENT USED DURING PRODUCT TRANSFER.

Other Precautions:TANKS, VESSELS OR OTHER CONFINED SPACES WHICH HAVE CONTAINED PRODUCT SHOULD BE FREED OF VAPORS BEFORE ENTERING. THE CONTAINER SHOULD BE C

HECKED TO ENSURE A SAFE ATMOSPHERE BEFORE ENTRY. EMPTY CONTAINE RS MAY CONTAIN TOXIC, FLAMMABLE/COMBUSTIBLE OR EXPLOSIVE RESIDUES OR VAPORS. DO NOT CUT, GRIND, DRIL L, WELD OR REUSE

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

Respiratory Protection:IF WORKPLACE EXPOSURE LIMIT FOR PRODUCT OR COMPONENTS ARE EXCEEDED, NIOSH EQUIPMENT SHOULD BE WORN. PROPER RESPIRATOR SELECTION SHOULD BE DETERMINED BY ADEQUATELY TRAINED PERSONNEL, BASED ON THE CONTA

MINANTS, THE DEGREE OF POTENTIAL

EXPOSURE AND PUBLISHED RESPIRATORY PROTECTION FACTORS. THIS EQUIPMENT SHOULD BE AVAILABLE FOR NONROUTINE AND EMERGENCY USE.

Ventilation:AVOID BREATHING MISTS & VAPOR. USE IN WELL-VENTILATED AREA. IN CONFINED SPACE, MECHANICAL VENTILATION MAY BE NECESSARY TO REDUCE VAPOR CONCENTRATIONS

Protective Gloves: SKIN CONTACT CAN BE MINIMIZED BY WEARING PROTECTIVE GLOVES SUCH AS NEOPRENE,

Eye Protection:EYE CONTACT CAN BE AVOIDED BY WEARING SAFETY GLASSE S OR

CHEMICAL SPLASH GOGGLES

Other Protective Equipment:WHERE NECESSARY, IMPERVIOUS CLOTHING AND BOOTS. A SOURCE OF CLEAN WATER SHOULD BE AVAILABLE IN THE WORK AREA FOR FLUSHING EYES AND SKIN.

Work Hygienic Practices:KEEP AWAY FROM EYES. KEEP AWAY FROM SKIN.
LEATHER GOODS CONTAMINATED WITH THIS PRODUCT SHOULD BE DISCARDED.
Supplemental Safety and Health

NOTE TO PHYSICIAN: IN CASE OF INGESTION, GASTRIC LAVAGE WITH ACTIVATED CHARCOAL CAN BE USED PROMPTLY TO PREVENT ABSORPTION.

CONSIDERATION

SHOULD BE GIVEN TO THE USE OF AN INTRATRACHEAL TUBE, TO PREVEN T ASPIRATION. IRREGULAR HEART BEAT MAY OCCUR, USE OF ADRENALIN IS NOT ADVISABLE.

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

HCC:F2

Boiling Pt:=68.3C, 155.F

Vapor Pres:52 MM HG I@100F

Vapor Density:3 (AIR=1) Spec Gravity:0.66@60F

Evaporation Rate & Dr. Reference: NOT AVAILABLE

Solubility in Water: NEGLIGIBLE(