



MATERIAL SAFETY DATA SHEET

PETROCHEM, INC.
4111-D, N.W. 132ND STREET
OPA-LOCKA, FLORIDA 33054 U.S.A

EMERGENCY CONTACT: CHEMTREC
1-800-424-9300 (INTERNATIONAL 1-703-527-3887 – COLLECT CALLS ACCEPTED)

P-F401L

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CHEMICAL CODE: P-F401L
PRODUCT NAME: HIGH TEMPERATURE FLUID-LOSS LIQUID)
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EFFECTIVE DATE: SEPTEMBER 1, 2005



NFPA RATING:

HEALTH HAZARD: 1 FLAMMABILITY: 1 REACTIVITY: 0 OTHER:

0=INSIGNIFICANT 1=SLIGHT 2=MODERATE 3=HIGH 4=EXTREME

NOMINAL COMPOSITION:
POLYMER DISPERSION IN WATER

CAS NUMBER

SECTION 1 - PHYSICAL DATA

CHEMICAL NATURE:		FORM:	LIQUID
COLOR:	WHITE	ODOR:	MILD
VAP DENSITY (AIR=1):	NOT DETERMINED	% SOL. IN WATER:	> 200 G/L (20 DEG C) SOLUBLE
PH:	APPROX. 7 (20 °C, 10 G/L)	S.P GRAVITY:	1.1
POUR PT.:	-1 DEG C	BOILING POINT:	APPROX. 212 DEG F
VAP. PRESSURE:	NOT DETERMINED	WT% VOLATILE:	77

SECTION 2 - FIRE AND EXPLOSION HAZARD DATA

CHARACTERISTIC: THIS PRODUCT WOULD NOT BE EXPECTED TO BURN UNLESS ALL THE WATER IS BOILED AWAY. THE REMAINING ORGANICS MAY BE IGNITABLE. USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING FIRE.

FLASH POINT: > 212 DEG F, > 93 DEG C **METHOD USED:** N/A

FLAMMABLE LIMITS (STP IN AIR) LFL: NOT DETERMINED **UFL:** NOT DETERMINED

EXTINGUISHING MEDIA: WATER FOG, ALCOHOL FOAM, CO2, AND DRY CHEMICAL.

SPECIAL FIRE FIGHTING EQUIPMENT AND HAZARDS: WEAR PROTECTIVE FIRE FIGHTING CLOTHING AND AVOID BREATHING VAPORS. USE SELF-CONTAINED BREATHING APPARATUS IN CLOSED AREAS. SLICK WHEN WET.



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SECTION 3 - REACTIVITY HAZARDS

STABILITY: STABLE UNDER NORMAL CONDITIONS.

INCOMPATIBILITY: OXIDIZING MATERIAL, AVOID EXTREME TEMPERATURES.

HAZARDOUS DECOMPOSITION: WHEN HEATED STRONGLY OR BURNED, OXIDES OF CARBON, SULFUR OXIDES, SODIUM OXIDES, AND HARMFUL ORGANIC CHEMICAL FUMES ARE RELEASED.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

SECTION 4 - FIRST AID PROCEDURES

EYE CONTACT: IMMEDIATELY FLUSH EYES WITH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. IF IRRITATION OR ADVERSE SYMPTOMS DEVELOP, SEEK MEDICAL ATTENTION.

SKIN CONTACT: WASH THOROUGHLY WITH SOAP AND WATER. SEE A DOCTOR IF IRRITATION OCCURS. WASH CLOTHES THOROUGHLY BEFORE REUSING.

SWALLOWING: DO NOT INDUCE VOMITING WITHOUT MEDICAL ADVICE. IF CONSCIOUS, WASH OUT MOUTH & GIVE WATER TO DRINK. IF SYMPTOMS DEVELOP, SEEK MEDICAL ADVICE.

INHALATION: REMOVE TO FRESH AIR, TREAT SYMPTOMATICALLY. IF SYMPTOMS DEVELOP, SEEK MEDICAL ADVICE.

SECTION 5 - HANDLING PRECAUTIONS

PROTECTIVE EQUIPMENT CODE: Q1

VENTILATION: GENERAL VENTILATION IS RECOMMENDED. LOCAL EXHAUST VENTILATION MAY BE NECESSARY WHEN MISTS OR VAPORS ARE GENERATED.

RESPIRATORY PROTECTION: IF SIGNIFICANT MISTS, VAPORS OR AEROSOLS ARE GENERATED AN APPROVED RESPIRATOR IS RECOMMENDED. A SUITABLE FILTER MATERIAL DEPENDS ON THE AMOUNT AND TYPE OF CHEMICALS BEING HANDLED. IF RESPIRATORY PROTECTION IS REQUIRED, INSTITUTE A COMPLETE RESPIRATORY PROTECTION PROGRAM INCLUDING SELECTION, FIT TESTING, TRAINING, MAINTENANCE AND INSPECTION. IN EVENT OF EMERGENCY OR PLANNED ENTRY INTO UNKNOWN CONCENTRATIONS A POSITIVE PRESSURE, FULL-FACEPIECE SCBA SHOULD BE USED.

HAND PROTECTION: WHEN HANDLING THIS PRODUCT, THE USE OF CHEMICAL GLOVES IS RECOMMENDED. THE CHOICE OF WORK GLOVE DEPENDS ON WORK CONDITIONS AND WHAT CHEMICALS ARE HANDLED. PLEASE CONTACT THE PPE MANUFACTURER FOR ADVICE ON WHAT TYPE OF GLOVE MATERIAL MAY BE SUITABLE. GLOVES SHOULD BE REPLACED IMMEDIATELY IF SIGNS OF DEGRADATION ARE OBSERVED.

SKIN PROTECTION: CLEAN, BODY-COVERING CLOTHING AND IMPERVIOUS (RUBBER) GLOVES. FOR SPILLS AND EMERGENCIES, ALSO WEAR BOOTS AND SLICKER (RAIN) SUIT.

EYE PROTECTION: CHEMICAL GOGGLES REQUIRED AND AN EYE WASH IN WORK AREA.



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SECTION 6 - SPILL AND DISPOSAL PROCEDURE

CERCLA REPORTABLE QUANTITY:

METHODS FOR CLEANING UP: SMALL SPILLS: SOAK UP SPILL WITH ABSORBENT MATERIAL. PLACE RESIDUES IN A SUITABLE, COVERED, PROPERLY LABELED CONTAINER. WASH AFFECTED AREA. LARGE SPILLS: CONTAIN LIQUID USING ABSORBENT MATERIAL, BY DIGGING TRENCHES OR BY DIKING. RECLAIM INTO RECOVERY OR SALVAGE DRUMS OR TANK TRUCK FOR PROPER DISPOSAL. CONTACT AN APPROVED WASTE HAULER FOR DISPOSAL OF CONTAMINATED RECOVERED MATERIAL.

DISPOSAL METHOD FOR:

PRODUCT: SOLIDS MAY BE SANITARY LANDFILLED AND LIQUIDS MAY BE INCINERATED OR INJECTED IN DISPOSAL WELLS IN ACCORDANCE WITH LOCAL REGULATIONS.

EPA HAZARDOUS WASTE NUMBER: N/A

CONTAINER: SELL TO APPROVED DRUM RECONDITIONER OR RENDER CONTAINER UNUSABLE BY PUNCTURING OR CRUSHING. SEND TO SANITARY LANDFILL UNLESS PROHIBITED BY LOCAL REGULATIONS.

DEGRADABILITY: NOT DETERMINED.

FISH TOXICITY: LOW TOXICITY TO FISH.

ANIMAL TOXICITY:

SECTION 7 - TOXICOLOGY (ROUTES OF EXPOSURE)

PRINCIPAL HAZARD (E=EYE, S=SKIN, I=INHAL.): E

EYE CONTACT: IRRITANT. MAY CAUSE PAIN, REDNESS, AND DISCOMFORT WITH PROLONGED CONTACT.

SKIN CONTACT: NO EFFECT EXPECTED. PROLONGED OR REPEATED CONTACT MAY CAUSE MILD IRRITATION.

SWALLOWING: NO EFFECT EXPECTED. SWALLOWING LARGE AMOUNTS MAY CAUSE ILLNESS.

INHALATION: NO EFFECT EXPECTED. PROLONGED OR REPEATED EXPOSURE MAY CAUSE MILD IRRITATION.

OTHER: NONE.



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SECTION 8 - SPECIAL PRECAUTIONS AND ADDITIONAL INFORMATION

SPECIAL PRECAUTIONS: BASED ON OUR HAZARD EVALUATION, NONE OF THE SUBSTANCES IN THIS PRODUCT ARE HAZARDOUS.

PHYSICAL HAZARD: MAY CAUSE IRRITATION WITH PROLONGED CONTACT. DO NOT GET IN EYES, ON SKIN, ON CLOTHING. DO NOT TAKE INTERNALLY. USE WITH ADEQUATE VENTILATION. IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE. AFTER CONTACT WITH SKIN, WASH IMMEDIATELY WITH PLENTY OF WATER. WEAR SUITABLE PROTECTIVE CLOTHING. PROTECT PRODUCT FROM FREEZING. NOT FLAMMABLE OR COMBUSTIBLE. MAY EVOLVE OXIDES OF CARBON (COX) UNDER FIRE CONDITIONS.

HANDLING AND STORAGE PRECAUTIONS: AVOID EYE AND SKIN CONTACT. DO NOT TAKE INTERNALLY. ENSURE ALL CONTAINERS ARE LABELED. KEEP THE CONTAINERS CLOSED WHEN NOT IN USE. RESTRICT ACCESS TO AREA AS APPROPRIATE UNTIL CLEAN-UP OPERATIONS ARE COMPLETE. STOP OR REDUCE ANY LEAKS IF IT IS SAFE TO DO SO. DO NOT TOUCH SPILLED MATERIAL. VENTILATE SPILL AREA IF POSSIBLE. USE PERSONAL PROTECTIVE EQUIPMENT RECOMMENDED.

PACKAGING INFORMATION: STEEL OR HIGH-DENSITY POLYETHYLENE (HDPE) DRUM OR CAN.

ADDITIONAL INFORMATION: EMITS TOXIC AND CORROSIVE FUMES UNDER FIRE CONDITIONS.

THE INFORMATION HEREIN IS BELIEVED TO BE ACCURATE AND IS PRESENTED IN GOOD FAITH; HOWEVER, NO WARRANTIES OR REPRESENTATIONS ARE MADE BY PETROCHEM, INC. REGARDING THE ACCURACY OR COMPLETENESS OF THE INFORMATION.



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SHIPPING INFORMATION

ID NUMBER (UN # OR NA #): FLASH PT. > 212 DEG F, > 93 DEG C
BOILING PT. APPROX. 212 DEG F

ICC TARIFF CLASSIFICATION: COMPOUND, GAS OR OIL WELL DRILLING
ICC ITEM NUMBER: 138640 ICC CLASS: 50 LTL 35 TL

DEPARTMENT OF TRANSPORTATION - DOT
DESCRIPTION: NOT REGULATED
HAZARD CLASS: NOT REGULATED
SHIPPING NAME:
DOT LABEL: (NONE)
COMMENT:
DS TANK EX. #: N/A
CERCLA RQ: NOT ESTABLISHED

US FOREIGN TRADE SCHEDULE B# (EXPORT):

CANADIAN SHIPMENTS -
SHIPPING NAME:
SPECIAL PROVISION:
CLASSIFICATION:
ICAO CLASS: PKG GROUP:

WATER SHIPMENT (IMO) -
SHIPPING NAME:
LABEL(S):
CLASS: PKG GROUP: IMDG PAGE:
MARPOL:

AIR SHIPMENTS (IATA) -
SHIPPING NAME: NOT REGULATED
LABEL(S):
CLASS: SUB RISK: PKG GROUP:
PASSENGER AIRCRAFT PKG. INSTR. MAX. NET QTY. /PKG.
CARGO AIRCRAFT ONLY PKG. INSTR. MAX. NET QTY. /PKG.

EUROPEAN ECONOMIC COMMUNITY (EEC) -
RISK PHRASES: SAFETY PHRASES:
CLASSIFICATION (LABEL):
LABEL DESCRIPTION:
ADR CLASS: RID CLASS: TREM CARD:
HAZARD CLASSIFICATION:
COMMENT: