



# MATERIAL SAFETY DATA SHEET

PETROCHEM USA, INC.  
4111-D, N.W. 132<sup>ND</sup> STREET  
OPA-LOCKA, FLORIDA 33054 U.S.A

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

## P-F50

PAGE 1 OF 5

CHEMICAL CODE: P-F50  
PRODUCT NAME: FLUID-LOSS CONTROL ADDITIVE  
MATERIAL SAFETY DATA SHEET  
EFFECTIVE DATE: MARCH 01, 2014



### NFPA RATING:

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

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

### NOMINAL COMPOSITION:

MIXTURE OF POLYMERS  
N-BUTYL ALCOHOL (LESS THAN 12 PERCENT)

### CAS NUMBER

000071-36-3

### SECTION 1 - PHYSICAL DATA

CHEMICAL NATURE:	POLYMER	FORM:	POWDER
COLOR:	WHITE	ODOR:	FAINT
VAP DENSITY (AIR=1):	NOT DETERMINED	% SOL. IN WATER:	SOLUBLE
PH:	N/A	SP. GRAVITY:	1.44
POUR PT.:	NOT DETERMINED	BOILING POINT:	NOT DETERMINED
VAP. PRESSURE:	NOT DETERMINED	WT% VOLATILE:	NOT DETERMINED

### SECTION 2 - FIRE AND EXPLOSION HAZARD DATA

CHARACTERISTIC: COMBUSTIBLE SOLID

FLASH POINT: N/A

METHOD USED: N/A

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

EXTINGUISHING MEDIA: WATER, ALCOHOL FOAM, CO<sub>2</sub>, 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; POSSIBLE DUST EXPLOSION HAZARD.



# P-F50

PAGE 2 OF 5

**CHEMICAL CODE:** P-F50  
**PRODUCT NAME:** FLUID-LOSS CONTROL ADDITIVE  
**MATERIAL SAFETY DATA SHEET**

## SECTION 3 - REACTIVITY HAZARDS

**STABILITY:** THIS MATERIAL IS CONSIDERED STABLE UNDER NORMAL AMBIENT & ANTICIPATED STORAGE AND HANDLING CONDITIONS OF TEMPERATURE AND PRESSURE.

**INCOMPATIBILITY:** OXIDIZERS.

**HAZARDOUS DECOMPOSITION:** WHEN HEATED STRONGLY OR BURNED, OXIDES OF CARBON, NITROGEN OXIDES, AMMONIA 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. SEE A DOCTOR AT ONCE.

**SKIN CONTACT:** WASH THOROUGHLY WITH SOAP AND WATER, REMOVE CONTACT LENSES AND PROTECT UNHARMED EYE. SEE A DOCTOR IF IRRITATION OCCURS. WASH CLOTHES THOROUGHLY BEFORE REUSING.

**SWALLOWING:** IF SEVERAL GRAMS ARE SWALLOWED, INDUCE VOMITING WITH IPECAC (PREFERRED), OR BY GIVING WATER AND STICKING FINGER DOWN THROAT. AFTER VOMITING GIVE MILK (PREFERRED), OR WATER AND CONSULT PHYSICIAN.

**INHALATION:** REMOVE TO FRESH AIR. SEE A DOCTOR IF EFFECTS OCCUR.

**NOTES:** NONE.

## SECTION 5 - HANDLING PRECAUTIONS

**PROTECTIVE EQUIPMENT CODE:** Q1

**VENTILATION:** GENERAL AND LOCAL VENTILATION AS REQUIRED TO CONTROL DUST OR VAPORS.

**RESPIRATORY PROTECTION:** NONE NORMALLY NEEDED. USE NIOSH APPROVED RESPIRATOR WITH ORGANIC VAPOR/ ACID GAS PROTECTION (COLOR CODED YELLOW) IF VAPORS OR DUSTS ARE GENERATED AND FOR EMERGENCIES.

**PROTECTIVE CLOTHING:** CLEAN, BODY-COVERING CLOTHING AND IMPERVIOUS (RUBBER) GLOVES.

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

**EXPOSURE GUIDELINE(S):** TLV IS TWA 50 PPM CEILING (SKIN), ACGIH. OSHA (Z-TABLE) TWA=100 PPM FOR N-BUTYL ALCOHOL.



# P-F50

PAGE 3 OF 5

**CHEMICAL CODE:** P-F50  
**PRODUCT NAME:** FLUID-LOSS CONTROL ADDITIVE  
**MATERIAL SAFETY DATA SHEET**

## SECTION 6 - SPILL AND DISPOSAL PROCEDURE

**CERCLA REPORTABLE QUANTITY:** 40,000 POUNDS.

**SPECIAL HANDLING:** SCOOP INTO CONTAINERS. AVOID GENERATING DUST. USE WATER CAREFULLY; SLICK WHEN WET. IF VACUUM SWEEPER IS USED, IT MUST BE RATED TO HANDLE EXPLOSIVE DUSTS.

### **DISPOSAL METHOD FOR:**

**PRODUCT:** SHIP VIA PERMITTED WASTE HAULER TO PERMITTED HAZARDOUS WASTE DISPOSAL FACILITY FOR INCINERATION (PREFERRED) OR LANDFILLING.

**EPA HAZARDOUS WASTE NUMBER:** NONE.

**CONTAINER:** SEND EMPTY BAGS TO SANITARY LANDFILL. RENDER OTHER TYPES OF CONTAINERS UNUSEABLE BY PUNCTURING OR CRUSHING AND SEND TO SANITARY LANDFILL.

**DEGRADABILITY:** PARTIALLY BIODEGRADABLE.

**FISH TOXICITY:** LOW TOXICITY TO FISH. LC50 > 1800 MG/1. EXPOSURE TIME: 96 HRS.

**ANIMAL TOXICITY:** LOW TOXICITY TO MAMMALS.

## SECTION 7 - TOXICOLOGY (ROUTES OF EXPOSURE)

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

**EYE CONTACT:** IRRITANT. MAY CAUSE PAIN, REDNESS, DISCOMFORT.

**SKIN CONTACT:** IRRITANT. MAY CAUSE PAIN, REDNESS, DERMATITIS. NOT LIKELY TO BE ABSORBED IN TOXIC AMOUNTS.

**SWALLOWING:** NO EFFECT EXPECTED. SWALLOWING LARGE AMOUNTS MAY CAUSE ILLNESS. LD50 (RAT) GREATER THAN 5000 MG/KG.

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

**OTHER:** NONE.



# P-F50

PAGE 4 OF 5

CHEMICAL CODE: P-F50  
PRODUCT NAME: FLUID-LOSS CONTROL ADDITIVE  
MATERIAL SAFETY DATA SHEET

## SECTION 8 - SPECIAL PRECAUTIONS AND ADDITIONAL INFORMATION

**SPECIAL PRECAUTIONS:** NONE.

**PHYSICAL HAZARD:** FIRE, WATER SLICK.

**HANDLING AND STORAGE PRECAUTIONS:** KEEP AWAY FROM HEAT, SPARKS, AND FLAME. KEEP CONTAINER CLOSED WHEN NOT IN USE. USE WITH ADEQUATE VENTILATION. DO NOT CUT OR WELD ON CONTAINER. KEEP MATERIAL DRY. POSSIBLE DUST EXPLOSION HAZARD.

**PACKAGING INFORMATION:** PAPER BAG (MINIMUM 3 PLY), OR OTHER INDUSTRIAL CONTAINER DESIGNED FOR POWDERS AND GRANULATED MATERIALS.

**ADDITIONAL INFORMATION:** THIS PRODUCT CONTAINS A TOXIC CHEMICAL (N-BUTANOL) SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372.

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.



# P-F50

CHEMICAL CODE: P-F50  
PRODUCT NAME: FLUID-LOSS CONTROL ADDITIVE  
MATERIAL SAFETY DATA SHEET

## SHIPPING INFORMATION

ID NUMBER (UN # OR NA #):

FLASH PT. N/A  
BOILING PT. NOT DETERMINED

ICC TARIFF CLASSIFICATION: COMPOUND, GAS OR OIL WELL DRILLING.

ICC ITEM NUMBER:

ICC CLASS: 50 LTL 35 TL

## DEPARTMENT OF TRANSPORTATION - DOT

DESCRIPTION: NOT REGULATED  
HAZARD CLASS: NOT REGULATED  
SHIPPING NAME:  
DOT LABEL:  
COMMENT:  
DS TANK EX. #: N/A  
CERCLA RQ:

## 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:  
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: