



# MATERIAL SAFETY DATA SHEET

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1-800-424-9300 (INTERNATIONAL 1-703-527-3887 – COLLECT CALLS ACCEPTED)

## P-D90L

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CHEMICAL CODE: P-D90L  
PRODUCT NAME: MODIFIED DISPERSANT (LIQUID)  
MATERIAL SAFETY DATA SHEET

EFFECTIVE DATE: JANUARY 1, 2000



### NFPA RATING:

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

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

### NOMINAL COMPOSITION:

PROPRIETARY MIXTURE

### CAS NUMBER

## SECTION 1 - PHYSICAL DATA

CHEMICAL NATURE:		FORM:	LIQUID
COLOR:	DARK BROWN	ODOR:	MILD
VAP DENSITY (AIR=1):	NOT DETERMINED	% SOL. IN WATER:	SOLUBLE (68 DEG F)
PH:	APPROX. 8-9	S.P GRAVITY:	1.2 (68 DEG F)
POUR PT.:	NOT DETERMINED	BOILING POINT:	APPROX. 214 DEG F
VAP. PRESSURE:	NOT DETERMINED	WT% VOLATILE:	60

## 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:** TAG CLOSED CUP

**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, CHLORINE, SULFUR OXIDES, HYDROGEN CHLORIDE 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:**

**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 BIODEGRADABLE.

**FISH TOXICITY:** LOW TOXICITY TO FISH.

**INFORMATION ON COMPONENTS:**

INVERTEBRATE TOX: LC50= (96HR) >1000 MG/L SPECIES: CHAETOGAMMARUS MARINUS  
GROWTH INHIBITION ALGAE: EC50= (72HR) 33 MG/L SPECIES: PHAEODACTYLUM TRICORNUTUM

## 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.

**CARCINOGENICITY:** NOT LISTED BY IARC, USA NTP, OR USA OSHA.

**MUTAGENICITY:** NOT KNOWN TO CAUSE HERITABLE GENETIC DAMAGE.

**TERATOGENICITY:** NOT KNOWN TO CAUSE BIRTH DEFECTS.

**TARGET ORGANS WHICH MAY BE AFFECTED:** KIDNEY

**SENSITIZATION:** NOT KNOWN TO CAUSE ALLERGIC REACTION.



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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:** UNCOATED PHOSPHATIZED STEEL DRUM (DOT 17E) OR HIGH DENSITY POLYETHYLENE (HDPE) CAN.

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. 214 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 (HTS) SCHEDULE B# (EXPORT): 38244000 (ADDITIVE FOR CEMENT)

CANADIAN SHIPMENTS -  
SHIPPING NAME:  
SPECIAL PROVISION:  
CLASSIFICATION:

ICAO CLASS: PKG GROUP:

WATER SHIPMENT (IMO) -  
SHIPPING NAME:  
LABEL(S):  
CLASS: 50  
MARPOL:

PKG GROUP: IMDG PAGE:

AIR SHIPMENTS (IATA) -  
SHIPPING NAME: NOT REGULATED  
LABEL(S):  
CLASS:  
PASSENGER AIRCRAFT PKG. INSTR.  
CARGO AIRCRAFT ONLY PKG. INSTR

SUB RISK: PKG GROUP:  
MAX. NET QTY. /PKG.  
MAX. NET QTY. /PKG.

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

SAFETY PHRASES:

RID CLASS: TREM CARD: