



MATERIAL SAFETY DATA SHEET

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P-EXTL

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CHEMICAL CODE: P-EXTL
PRODUCT NAME: EXTENDER LIQUID
MATERIAL SAFETY DATA SHEET

EFFECTIVE DATE: APRIL 9, 2001



NFPA RATING:

HEALTH HAZARD: 2 FLAMMABILITY: 0 REACTIVITY: 0 OTHER: NONE

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

NOMINAL COMPOSITION:

AQUEOUS SOLUTION OF SODIUM SILICATE

CAS NUMBER

001344-09-8

SECTION 1 - PHYSICAL DATA

CHEMICAL NATURE:	ALKALINE	FORM:	LIQUID
COLOR:	COLORLESS	ODOR:	NONE
VAP DENSITY (AIR=1):	NOT DETERMINED	% SOL. IN WATER:	100
PH:	11	S.P GRAVITY:	1.38
POUR PT.:	30 F (-1 C)	BOILING POINT:	214-216 F
VAP. PRESSURE:	17.5	WT% VOLATILE:	60

SECTION 2 - FIRE AND EXPLOSION HAZARD DATA

CHARACTERISTIC: CORROSIVE MATERIAL.

FLASH POINT: > 200 DEG F > 93 DEG C METHOD USED: NOT APPLICABLE

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

EXTINGUISHING MEDIA: NONE NEEDED.

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



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SECTION 3 - REACTIVITY HAZARDS

STABILITY: STABLE

INCOMPATIBILITY: ACIDS.

HAZARDOUS DECOMPOSITION: SODIUM OXIDE.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

SECTION 4 - FIRST AID PROCEDURES

EYE CONTACT: IMMEDIATELY FLUSH EYES WITH WATER FOR 30 MINUTES WHILE HOLDING EYELIDS OPEN. SEE A DOCTOR AT ONCE.

SKIN CONTACT: IMMEDIATELY WASH WITH SOAP AND WATER FOR 15 MINUTES. SEE A DOCTOR AT ONCE. DESTROY CONTAMINATED SHOES. WASH CLOTHES THOROUGHLY BEFORE REUSING.

SWALLOWING: DO NOT INDUCE VOMITING. GIVE 2 GLASSES OF MILK (PREFERRED) OR WATER AND TAKE TO HOSPITAL AT ONCE.

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

NOTES: TREATS AS AN ALKALINE SOLUTION.

SECTION 5 - HANDLING PRECAUTIONS

PROTECTIVE EQUIPMENT CODE: Q1

VENTILATION: GENERAL VENTILATION IS REQUIRED IF MIST IS GENERATED.

RESPIRATORY PROTECTION: NONE NORMALLY NEEDED. IF DUST OR MIST IS GENERATED USE NIOSH APPROVED RESPIRATOR WITH DUST AND MIST PROTECTION (3M NO. 8710).

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

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

EXPOSURE GUIDELINE(S): NOT ESTABLISHED. RECOMMENDED TLV 2 MG/M3 AS SODIUM HYDROXIDE EQUIVALENT.



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SECTION 6 - SPILL AND DISPOSAL PROCEDURE

CERCLA REPORTABLE QUANTITY: NOT ESTABLISHED.

SPECIAL HANDLING: CONTAIN WITH DIKES. PUT IN STEEL OR PLASTIC DRUM. FLUSH UP RESIDUAL WITH PLENTY OF WATER.

DISPOSAL METHOD FOR:

PRODUCT: SHIP VIA WASTE HAULER TO PERMITTED HAZARDOUS WASTE DISPOSAL FACILITY FOR SOLIDIFICATION AND LAND FILLING (PREFERRED) OR DISPOSAL WELL INJECTION.

EPA HAZARDOUS WASTE NUMBER: NONE.

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.

ANIMAL TOXICITY: TOXIC TO MAMMALS.

SECTION 7 - TOXICOLOGY (ROUTES OF EXPOSURE)

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

EYE CONTACT: SEVERE IRRITANT. CAUSES PAIN AND REDNESS. PROLONGED OR REPEATED CONTACT MAY CAUSE MILD BURN.

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

SWALLOWING: IRRITANT. MAY CAUSE PAIN OR DISCOMFORT TO MOUTH, THROAT AND STOMACH. LD50 (RATS) = 2,000-3,000 MG/KG.

INHALATION: IRRITANT IF MIST IS INHALED. MAY CAUSE PAIN AND COUGHING.

OTHER: NONE.

SECTION 8 - SPECIAL PRECAUTIONS AND ADDITIONAL INFORMATION

SPECIAL PRECAUTIONS: NONE.

PHYSICAL HAZARD: NONE.

HANDLING AND STORAGE PRECAUTIONS: NO SPECIAL PRECAUTIONS REQUIRED.

PACKAGING INFORMATION: STEEL OR PLASTIC DRUM OR 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. > 200 DEG F, > 93 DEG C
BOILING PT. 214-216 F (101-102 C)

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

DEPARTMENT OF TRANSPORTATION - DOT

DESCRIPTION: NOT REGULATED
HAZARD CLASS: NOT REGULATED
SHIPPING NAME: NOT REGULATED

DOT LABEL:

COMMENT:

DS TANK EX. #: N/A

CERCLA RQ: NOT ESTABLISHED.

US FOREIGN TRADE SCHEDULE B# (EXPORT): 421.6200

CANADIAN SHIPMENTS -

SHIPPING NAME:
SPECIAL PROVISION:
CLASSIFICATION:

ICAO CLASS: PKG GROUP:

WATER SHIPMENT (IMO) -

SHIPPING NAME: NOT REGULATED

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: A2 26 28 (W/S) 46(NV)

CLASSIFICATION (LABEL):

LABEL DESCRIPTION:

ADR CLASS: NOT REGUL. RID CLASS: TREM CARD:

HAZARD CLASSIFICATION:

COMMENT: A2 = IN CASE OF INHALATION OR IF YOU FEEL UNWELL; REMOVE TO FRESH AIR AND SEEK MEDICAL ADVICE; S28 (W/S) =S28...WATER AND SOAP; S46 (NV) =IF SWALLOWED, R