



MATERIAL SAFETY DATA SHEET

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P-5000

CHEMICAL CODE: P-5000
PRODUCT NAME: CEMENT FLUID-LOSS ADDITIVE
MATERIAL SAFETY DATA SHEET

EFFECTIVE DATE: September 16, 1988

NFPA RATING:

Health Hazard: 2 **Flammability:** 4 **Reactivity:** 0 **Other:** None

0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme

Nominal Composition:

HYDROXYETHYLCELLULOSE

CAS Number

009004-62-0

SECTION 1 - PHYSICAL DATA

CHEMICAL NATURE:	Hydroxyethyl Cellulose	FORM:	Powder
COLOR:	White	ODOR:	Odorless
VAP DENSITY (air=1):	Not Available	% SOL. IN WATER:	100
pH:	6.5-8.5 @ 2 Percent	SP. GRAVITY:	Not available
POUR PT.:	Not Determined	BOILING POINT:	Not available
VAP. PRESSURE:	Not available	WT% VOLATILE:	Not available

SECTION 2 - FIRE AND EXPLOSION HAZARD DATA

CHARACTERISTIC: Dust may be explosive when suspended in air.

FLASH POINT: > 200 deg F > 93 deg C **METHOD USED:** Not Determined

FLAMMABLE LIMITS (STP IN AIR) LFL: 28 g/m³ **UFL:** Not determined

EXTINGUISHING MEDIA: Water Fog, Alcohol Foam, CO₂, Dry Chemical, Water.

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. Dust explosion hazard.

SECTION 3 - REACTIVITY HAZARDS

STABILITY: Stable

INCOMPATIBILITY: Strong oxidizing materials.

HAZARDOUS DECOMPOSITION: When heated strongly or burned, oxides of carbon, nitrogen oxides and harmful organic chemical fumes are released.

HAZARDOUS POLYMERIZATION: Will not occur.



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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: Immediately wash with soap and water. 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: Toxicology studies have shown this or similar material to be of very low acute toxicity. There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

SECTION 5 - HANDLING PRECAUTIONS

PROTECTIVE EQUIPMENT CODE: Q1Q6

VENTILATION: General and local ventilation is required to control dust.

RESPIRATORY PROTECTION: Use NIOSH approved respirator with dust and mist protection (3M No. 8710).

PROTECTIVE CLOTHING: Clean, body-covering clothing plus gloves.

EYE PROTECTION: Chemical goggles required and an eye wash in work area.

EXPOSURE GUIDELINE(S): TLV = TWA 10 mg/m³ for total dust.

SECTION 6 - SPILL AND DISPOSAL PROCEDURE

CERCLA REPORTABLE QUANTITY: Not established.

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: Hazardous waste landfill. Material may be acceptable in some sanitary landfills; check local regulations.

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.



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DEGRADABILITY: Biodegradable.

FISH TOXICITY: No information.

ANIMAL TOXICITY: Low toxicity to mammals.

SECTION 7 - TOXICOLOGY (ROUTES OF EXPOSURE)

PRINCIPAL HAZARD (E=Eye, S=Skin, I=Inhal.): E

EYE CONTACT: Irritant. May cause pain, redness, discomfort.

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:

SECTION 8 - SPECIAL PRECAUTIONS AND ADDITIONAL INFORMATION

SPECIAL PRECAUTIONS: None.

PHYSICAL HAZARD: Fire, dust, water slick.

HANDLING AND STORAGE PRECAUTIONS: Avoid wetting spilled material. Avoid generating dust.

PACKAGING INFORMATION: Paper bag. (Minimum 3 ply), or other container designed for powders and granulated materials.

ADDITIONAL INFORMATION: None

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. Not applicable

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:

DOT Label:

Comment:

DS Tank Ex. #: N/A

CERCLA RQ: Not established.

US FOREIGN TRADE SCHEDULE B# (EXPORT): 492.1840

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: