



SAFETY DATA SHEET

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

P-TCR

CHEMICAL CODE: P-TCR
PRODUCT NAME: THIXOTROPIC CEMENT RETARDER (POWDER)
MATERIAL SAFETY DATA SHEET

EFFECTIVE DATE: November 5, 2008

NFPA RATING:

Health Hazard: 1 Flammability: 0 Reactivity: 0 Other: None

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

Nominal Composition:

PROPRIETARY BLEND

CAS Number

MIXTURE

SECTION 1 - PHYSICAL DATA

CHEMICAL NATURE:	Inert	FORM:	Powder
COLOR:	White-yellowish	ODOR:	None
VAP DENSITY (air=1):	Not determined	% SOL. IN WATER:	< 2
pH:	Not determined	SP. GRAVITY:	5.61
POUR PT.	4892 F (2700 C)	BOILING POINT:	Not applicable
VAP. PRESSURE:	Not determined	WT% VOLATILE:	< 2

SECTION 2 - FIRE AND EXPLOSION HAZARD DATA

CHARACTERISTIC: Will not burn.

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: None known.

SECTION 3 - REACTIVITY HAZARDS

STABILITY: Stable

INCOMPATIBILITY: Acids, magnesium, some oils, chlorinated rubber.

HAZARDOUS DECOMPOSITION: Zinc oxide.

HAZARDOUS POLYMERIZATION: Will not occur.



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SECTION 4 - FIRST AID PROCEDURES

EYE CONTACT: Flush eyes with water for 5 minutes while holding eyelids open. Consult a physician if irritation occurs.

SKIN CONTACT: Immediately wash thoroughly with soap and water. See a doctor if irritation occurs. Wash clothes thoroughly before reusing.

SWALLOWING: If several grams are swallowed, give 2 glasses of 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: Q6

VENTILATION: General and local ventilation as needed to control dust.

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

PROTECTIVE CLOTHING: Clean, body-covering clothing, and cotton gloves.

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

EXPOSURE GUIDELINE(S): TLVs are 5 mg/m³ for respirable dust and 10 mg/m³ for total dust (ACGIH). PELs are 5 mg for respirable fraction and 15 mg/m³ for total dust (OSHA 84).

SECTION 6 - SPILL AND DISPOSAL PROCEDURE

CERCLA REPORTABLE QUANTITY: Not established.

SPECIAL HANDLING: Scoop into containers. Flush residual with plenty of water.

DISPOSAL METHOD FOR:

PRODUCT: Hazardous waste land filled. 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 unusable by puncturing or crushing and send to sanitary landfill.

DEGRADABILITY: Not biodegradable.

FISH TOXICITY: No information.

ANIMAL TOXICITY: Low toxicity to mammals.



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SECTION 7 - TOXICOLOGY (ROUTES OF EXPOSURE)

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

EYE CONTACT: No effect expected. Prolonged or repeated contact may cause mild irritation.

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. Nuisance dust.

OTHER: None.

SECTION 8 - SPECIAL PRECAUTIONS AND ADDITIONAL INFORMATION

SPECIAL PRECAUTIONS: None.

PHYSICAL HAZARD: Dust.

HANDLING AND STORAGE PRECAUTIONS: Keep material dry.

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

ADDITIONAL INFORMATION: Normal precautions common to good manufacturing practice should be followed.

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. Not applicable
BOILING PT. Not available

ICC TARIFF CLASSIFICATION: Compound, Gas or Oil Well Drilling
ICC Item Number: DOT Class: 55 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):

CANADIAN SHIPMENTS -

Shipping name:
Special Provision:
Classification:

ICAO Class: Pkg Group:

WATER SHIPMENT (IMO) -

Shipping Name:
Label(s):
Class:
MARPOL:

Pkg Group: IMDG Page:

AIR SHIPMENTS (IATA) -

Shipping Name:
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: