



MATERIAL SAFETY DATA SHEET

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P-LTR

CHEMICAL CODE: P-LTR
PRODUCT NAME: LOW TEMPERATURE REATRDER
MATERIAL SAFETY DATA SHEET

EFFECTIVE DATE: November 02, 1988

NFPA RATING:

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

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

Nominal Composition:

Proprietary blend of organic acid salts.

CAS Number

SECTION 1 - PHYSICAL DATA

CHEMICAL NATURE:	Salt	FORM:	Powder
COLOR:	Dark Brown	ODOR:	Slight Sweet
VAP DENSITY (air=1):	>1	% SOL. IN WATER:	100
pH:	8.5-9.5 (1 percent)	S. GRAVITY:	1.23
POUR PT.:	Not Determined	BOILING POINT:	Not Available
VAP. PRESSURE:	44 mmHg at 20 C in water	WT% VOLATILE:	6

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: Not applicable UFL: Not applicable

EXTINGUISHING MEDIA: Water Fog, Alcohol Foam, CO₂, 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. Dust explosion potential.



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SECTION 3 - REACTIVITY HAZARDS

STABILITY: Stable

INCOMPATIBILITY: Oxidizers.

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

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 4 - FIRST AID PROCEDURES

EYE CONTACT: Flush eyes with water for 5 minutes. See a doctor if irritation occurs.

SKIN CONTACT: 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): TWA = 10 mg/m³ dust.



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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: May be incinerated (preferred) or hazardous wasteland 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: Partially 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.): 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.



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SECTION 8 - SPECIAL PRECAUTIONS AND ADDITIONAL INFORMATION

SPECIAL PRECAUTIONS: None.

PHYSICAL HAZARD: Dust.

HANDLING AND STORAGE PRECAUTIONS: 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: Not Regulated
DOT Label:
Comment:
DS Tank Ex. #: N/A
CERCLA RQ: Not established.
US FOREIGN TRADE SCHEDULE B# (EXPORT): 464.3000

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: