MATERIAL SAFETY DATA SHEET

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : PRO-LOCK PIPE SEALANT W/TEFLON, "TST" THREAD SEALANT WITH TEFLON, PRO LOCK PIPE SEALANT LO-VIS
IDENTIFICATION NUMBER: 51462,51464,51468,51471,211,230
PRODUCT USE/CLASS : Pipe Thread Sealant
NATIONAL STOCK NUMBER: 8030-00-146-0991

SUPPLIER:
Fel-Pro Chemical Products, L.P.
3412 W. Touhy Ave
Lincolnwood, IL 60645
Emerg Phone:ChemTrec 800-424-9300
24 Hours

MANUFACTURER:
Fel-Pro Chemical Products, L.P.
3412 W. Touhy Ave.
Lincolnwood, IL 60645
Emerg Phone:ChemTrec 800-424-9300
24 Hours

PREPARER: Cathy Griffith, PHONE: 303-289-5651, PREPARE DATE: 10/01/97

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

ITEM	CHEMICAL NAME	CAS NUMBER	WT/WT % LESS THAN
01	Siliceous Muscovite Mica	12001-26-2	10-30 %
02	Tetraethylene Glycol Dimethacrylate Ester	109-17-1	10-30 %
03	Ethoxylated bisphenol-A dimethacrylate	24448-20-2	5-10 %

EXPOSURE LIMITS

ITEM	ACGIH TLV-TWA	ACGIH TLV-STEL	OSHA PEL-TWA	OSHA PEL-STEL	U. K. TLV-TWA	SKIN
01	3mg/m3	N.E.	20mppcf	N.E.	N.E.	NO
02	N.E.	N.E.	N.E.	N.E.	N.E.	NO
03	N.E.	N.E.	N.E.	N.E.	N.E.	NO

(See Section 16 for abbreviation legend)

SECTION 3 - HAZARDS IDENTIFICATION

*** EMERGENCY OVERVIEW ***: Harmful if inhaled. Harmful if absorbed through skin Can cause eye irritation. Can cause skin irritation. May cause allergic skin reaction.

ACUTE EFFECTS - EYE CONTACT: Mild irritant. Contact may cause redness and tearing.
ACUTE EFFECTS - SKIN CONTACT: Mild irritant. Prolonged contact may cause defatting and redness. Potential skin sensitizer.
ACUTE EFFECTS - INHALATION: Inhalation of vapors may cause respiratory irritation. Inhalation of dust may cause irritation.
ACUTE EFFECTS - INGESTION: May cause nausea and vomiting. No specific effects known.

CHRONIC OVEREXPOSURE EFFECTS -: This product contains encapsulated mica. Repeated and prolonged occupational overexposure to mica may cause delayed lung injury which may result in pneumoconiosis and/or positive chest x-rays. Mica contains small amounts of crystalline silicon dioxide (quartz) which has been listed by IARC and NTP as a suspected human carcinogen via inhalation. No exposure to free respirable dust is anticipated, however, during normal application of this product. Refer to respiratory protection section for further requirements.

PRIMARY ROUTE(S) OF ENTRY: SKIN CONTACT SKIN ABSORPTION INHALATION EYE CONTACT

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SECTION 4 - FIRST AID MEASURES

FIRST AID - EYE CONTACT: Immediately flush eyes with clean water at least 15 minutes. Obtain IMMEDIATE medical attention.

FIRST AID - SKIN CONTACT: Remove contamination and flush with water. Follow with thorough soap and water wash. Remove and wash contaminated clothing. Seek medical attention if irritation develops or persists.

FIRST AID - INHALATION: If effects occur, remove to fresh air. Give oxygen if breathing is difficult. Obtain medical attention.

FIRST AID - INGESTION: If swallowed, DO NOT induce vomiting without medical supervision. Give water or milk if victim is conscious and not drowsy. Obtain immediate medical attention.

SECTION 5 - FIRE FIGHTING MEASURES

FLASH POINT: 200 F

LOWER EXPLOSIVE LIMIT: N.A.
UPPER EXPLOSIVE LIMIT: N.A.

AUTOIGNITION TEMPERATURE: No data
EXTINGUISHING MEDIA: CO2 DRY CHEMICAL FOAM WATER FOG
UNUSUAL FIRE AND EXPLOSION HAZARDS: Closed containers may rupture or explode (due to pressure build-up) when exposed to extreme heat. Irritating and/or toxic gases or fumes may be generated by thermal decomposition or combustion.

SPECIAL FIREFIGHTING PROCEDURES: Use NIOSH-approved self-contained breathing apparatus and full protective clothing. Use water to cool exposed containers. Water stream directed into fire may cause frothing with subsequent spread of flame.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Remove sources of ignition. Wear appropriate protective equipment during cleanup. Absorb with inert material, such as clay. Sweep or shovel into loosely-covered waste container and remove to appropriate waste area. Dispose of in accordance with federal, state, and local regulations. Wash spill area with soap and water.

SECTION 7 - HANDLING AND STORAGE

HANDLING: Avoid contact with skin and eyes. Avoid inhaling vapors. DO NOT take internally. FOR INDUSTRIAL USE ONLY

STORAGE: Store full and empty containers away from heat, sparks, open flames, and sources of ignition. Keep containers closed when not in use. Avoid exposure to sunlight, elevated temperatures, and loss of dissolved air. KEEP OUT OF THE REACH OF CHILDREN

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: General ventilation usually adequate.
RESPIRATORY PROTECTION: If TLV/PEL is exceeded, if use is performed in a poorly-ventilated space, or if inhalation effects occur, use NIOSH-approved vapor cartridge respirator in accordance with applicable health and safety regulations and manufacturer's recommendations. Use NIOSH-approved dust/mist respirator when grinding or machining cured compound.

SKIN PROTECTION: Clean clothing to cover skin.
EYE PROTECTION: Chemical splash goggles.
OTHER PROTECTIVE EQUIPMENT: No Information.

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SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

HYGIENIC PRACTICES: Use in accordance with good standard industrial practices regarding chemical handling.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

BOILING RANGE	: 428 - N/A F	VAPOR DENSITY	: Is heavier than air
ODOR	: Mild, pleasant	ODOR THRESHOLD	: No data
APPEARANCE	: White paste	EVAPORATION RATE	: Is slower than Butyl Acetate
SOLUBILITY IN H2O	: Negligable		
FREEZE POINT	: No data	SPECIFIC GRAVITY	: 1.27
VAPOR PRESSURE	: No data	pH @ 0.0 %	: N/A
PHYSICAL STATE	: Liquid	VISCOSITY	: Moderate

COEFFICIENT OF WATER/OIL DISTRIBUTION: No data
(See Section 16 for abbreviation legend)

SECTION 10 - STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Prolonged exposure to heat. Exposure to moisture.
INCOMPATIBILITY: Strong bases or oxidants. Heat and flame. Inert gases. Free radical initiators.

PRODUCTS OF DECOMPOSITION OR COMBUSTION -: Acrid fumes. Oxides of carbon. Aldehydes and acids from incomplete combustion. Phenolic compounds. Carbon monoxide, and carbon dioxide. Acrid smoke and irritating fumes.

HAZARDOUS POLYMERIZATION: Not likely to occur in small packaging.
STABILITY: This product is stable under normal storage conditions.

SECTION 11 - TOXICOLOGICAL PROPERTIES

No product or component toxicological information is available.

SECTION 12 - ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: No Information.

SECTION 13 - DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Review all current federal, state, and local regulations regarding health and disposal for appropriate disposal procedures.

SECTION 14 - TRANSPORTATION INFORMATION

DOT PROPER SHIPPING NAME: Not regulated
DOT TECHNICAL NAME: N/A
DOT HAZARD CLASS: N/A HAZARD SUBCLASS: N/A
DOT UN/NA NUMBER: N/A PACKING GROUP: N/A RESP. GUIDE PAGE:
IMDG INFORMATION:: No Information.
AIR/IATA INFORMATION:: No Information.

SECTION 15 - REGULATORY INFORMATION

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200)

CERCLA - SARA HAZARD CATEGORY: This product has been reviewed and is considered, under applicable definitions, to meet the following categories:
IMMEDIATE HEALTH HAZARD CHRONIC HEALTH HAZARD

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SECTION 15 - REGULATORY INFORMATION

SARA SECTION 313: This product contains the following substances subject to the reporting requirements of Section 313 and 40 CFR Part 372:

CHEMICAL NAME	CAS NUMBER	WT/WT % IS LESS THAN

No SARA Section 313 components exist in this product.

TOXIC SUBSTANCES CONTROL ACT:
All of the components of this product are listed on the TSCA Section 8 Inventory.
This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

CHEMICAL NAME	CAS NUMBER
None	

NEW JERSEY RIGHT-TO-KNOW:
The following materials are non-hazardous, but are among the top five components in this product:

CHEMICAL NAME	CAS NUMBER
Polyester adipate	UNKNOWN
Polytetrafluoroethylene	9002-84-0

PENNSYLVANIA RIGHT-TO-KNOW:
The following non-hazardous ingredients are present in the product at greater than 3%:

CHEMICAL NAME	CAS NUMBER
Polyester adipate	UNKNOWN
Polytetrafluoroethylene	9002-84-0
Polyester Resin	UNKNOWN

CALIFORNIA PROPOSITION 65:
WARNING: The chemical(s) noted below and contained in this product, are known to the state of California to cause cancer, birth defects or other reproductive harm: None known

CANADIAN WHMIS: This MSDS has been prepared in compliance with Controlled Product Regulations except for use of the 16 headings.
CANADIAN WHMIS CLASS: D2B

RCRA HAZARDOUS WASTE CLASS: Not regulated
RCRA HAZARDOUS WASTE CODES: Not regulated
CERCLA REPORTABLE QUANTITY (RQ): none

SECTION 16 - OTHER INFORMATION

HMIS RATINGS - HEALTH: 1 FLAMMABILITY: 1 REACTIVITY: 0
PREVIOUS MSDS REVISION DATE: 03/26/97
REASON FOR REVISION: update sect 9
LEGEND: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined, ACGIH = American Conference of Governmental Industrial Hygienists; OSHA = US Occupational Safety and Health Administration, UK = United Kingdom; GER = Germany; TLV-TWA = Threshold Limit Value-Time Weighted Average (8 hrs); STEL = Short-Term Exposure Limit (15 min); C = Ceiling Value; PEL = Permissible Exposure Limit

DISCLAIMER
To the best of our knowledge, the information contained in this MSDS is accurate or is obtained from sources believed to be accurate. However, no liability, expressed or implied, is assumed for the accuracy or completeness of the information contained herein. Buyer assumes liability in its use of the Material.

<END OF MSDS>