



MSDS059

PFTE Thread Seal Tape

MATERIAL SAFETY DATA SHEET

Chemical Product and Company Identification

LABEL IDENTIFIER: PFTE Thread Seal Tape

PRODUCT IDENTIFIER: P/N 28907 Tape, Pipe Thread Sealing

COMPANY IDENTIFICATION: MINE SAFETY APPLIANCES COMPANY
1100 Cranberry Woods Drive
Cranberry Township, PA 16066
CUSTOMER SERVICE: 1-800-MSA-2222 (8:30 a.m. – 5:00 p.m., USA local time)
EMERGENCY: 1-800-255-3924 (CHEM-TEL, INC.)

Vendor Information

A Material Safety Data Sheet as furnished by Lake City Industrial Products Company is attached (2 Pages).

Lake City Industrial Products Co. MSDS REVISION DATE: 1/2/2007

Other Information

WARNING: This is a hazardous chemical product. By following the directions and warnings provided with this product, the hazards associated with the use of this product can be greatly reduced but never entirely eliminated. Mine Safety Appliances Company makes no warranties, expressed or implied, with respect to this product and EXPRESSLY DISCLAIMS THE WARRANTY OF MERCHANTABILITY AND ANY WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. Users assume all risks in handling, using, or storing this product.

MATERIAL SAFETY DATA SHEET

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PRODUCT: PTFE THREAD SEAL TAPE

PN 28907

Revised: January 2, 2007

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufacturer:

LAKE CITY INDUSTRIAL PRODUCTS CO.
P.O. BOX 341
10690 WEST LAKE ROAD
LAKE CITY, PA 16423

Emergency Phone No:

Information Call:

Product Synonyms: FSN 0030-00-889-3335; FSN 0030-00-889-3334

Contract # 00-10F-52661

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous Ingredients</u>	<u>CAS #</u>	<u>Percentage</u>
<u>None</u>		
<u>Other Ingredients</u>		
Polytetrafluoroethylene	9002-84-0	100

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Odorless, white, solid tape. As sold, this product presents no known health hazards. At temperatures above 535 degrees F, polymer will break down and the fumes could cause a temporary "flu-like" illness. No smoking while handling this material.

POTENTIAL HEALTH EFFECTS:

EYE: No harmful effects anticipated for product as sold.

SKIN CONTACT: No harmful effects anticipated for product as sold.

SKIN ABSORPTION: Skin absorption is unlikely due to physical properties of product.

INGESTION: No harmful effects anticipated for product as sold. LD50 (PTFE resin): 1250 mg/kg in rats.

INHALATION: Inhalation is unlikely due to physical properties of product.

CHRONIC EFFECTS/CARCINOGENICITY:

PTFE is not listed by IARC, NTP, DGRA or ACGIH as a carcinogen. No significant adverse effects anticipated. Repeated oral doses of the polymer resin yielded no toxic effects except for alteration in the number of circulating white blood cells after long-term dosing. Tests demonstrated no developmental toxicity in animals, and no genetic damage in animals or in bacterial cell cultures. (1)

SECTION 4: FIRST AID MEASURES

INHALATION: Unlikely route of entry for product as sold. If exposed to fumes from overheating or combustion, move to fresh air. Consult physician if symptoms persist.

SKIN CONTACT: This product is not likely to be hazardous by skin contact, but if redness or itching develops, then cleansing the skin with water after use is advisable.

EYE: Unlikely route of entry for product as sold. If mechanical irritation occurs flush eyes with plenty of water. Consult physician if symptoms persist.

INGESTION: Unlikely route of entry for product as sold. Consult physician if necessary.

NOTES TO PHYSICIAN: Inhaling fumes of decomposition products can induce temporary influenza-like symptoms which are describe as "copper 'flu fever". These symptoms include fever, cough and malaise.

PRODUCT: PTFE THREAD SEAL TAPE

Revised: January 2, 2007

SECTION 5: FIRE FIGHTING MEASURES

FLASH POINT: Does not flash
AUTOIGNITION TEMPERATURE: Not available

METHOD: Open cup
FLAMMABILITY LIMITS: Not applicable

EXTINGUISHING MEDIA: Water, foam, dry chemical or CO2.

FIRE AND EXPLOSION HAZARDS: PTFE will burn in an atmosphere of 95% oxygen when an ignition source is present. Hazardous gases/vapors produced in a fire are hydrogen fluoride (HF), carbonyl fluoride, perfluorocarbonyls, carbon monoxide and low molecular weight fluorocarbons.

FIRE FIGHTING EQUIPMENT: Wear self-contained breathing apparatus. Wear full protective equipment. Protect from hydrogen fluoride fumes which react with water to form hydrofluoric acid. Wear neoprene gloves when handling refuse from a fire involving PTFE.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Sweep to avoid slipping hazard.

SECTION 7: HANDLING AND STORAGE

Enforce no smoking rule in areas where PTFE is handled or stored. Wash hands and face after handling to avoid transfer of PTFE onto cigarettes and tobacco.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

No special personal protection or exposure controls are indicated for this product as sold except those mentioned in section 5.

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

Melting Point: 648 degrees F
Water Solubility: Insoluble
Odor: None
Appearance: White solid tape
SpG: Greater than 1.2

SECTION 10: STABILITY & REACTIVITY

Stability: Stable at normal temperatures and storage conditions.
Hazardous Polymerization: Will not occur
Incompatibility: Reacts with molten alkali metals and interhalogen compounds.
Hazardous Decomposition Products: Above 535 degrees F, this product may evolve toxic gaseous materials such as hydrogen fluoride, carbonyl fluoride and perfluorocarbonyls. Particulate matter evolved from overheating may cause polymer fume fever.

OTHER INFORMATION: No shelf life. The Federal Government has established a three year inspection test date.

Waste Disposal: Discarded product is not a hazardous waste under RCRA, 40 CFR 261. Preferred options for disposal are recycling and landfill. Incinerate only if incinerator is capable of scrubbing out hydrogen fluoride and of acidic combustion products. Treatment, storage, transportation, and disposal must be in accordance with applicable federal, state and local regulations.

DOT: Not regulated
SARA 313/302: Not listed
California: Not listed
IProp 65: Not listed
References: 1. Supplier MSDS
YSCA Inventory: Listed
311/312: Not hazardous
New Jersey: Not listed
Pennsylvania: Hazardous Substance List

(This information is given in good faith but no warranty, expressed or implied, is made.)