

PRODUCT: PTFE THREAD SEAL TAPE

9704

DECEMBER 1, 2014

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufacturer:

LAKE CITY INDUSTRIAL PRODUCTS CO.

Emergency Phone No: (814) 774-2687

10490 WEST LAKE ROAD
LAKE CITY, PA 16423

Information Calls: (814) 774-2687

Product Synonyms: FSN 8030-00-889-3535; FSN 8030-00-889-3534

Contract #: 85-10F-52661

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients

None

CAS #

Percentage

Other Ingredients

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, the 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, OSHA 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 described as "polymer fume fever". These symptoms include fever, cough and malaise.

MATERIAL SAFETY DATA SHEET

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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, perfluoroolefins, 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 perfluoroolefins. 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 other acidic combustion products. Treatment, storage, transportation, and disposal must be in accordance with applicable federal, state and local regulations.

DOT:	Not regulated	TSCA Inventory:	Listed
SARA 313/302:	Not listed	311/312:	Not hazardous
California:	Not listed	New Jersey:	Not listed

Pennsylvania: Hazardous Substance List

References: 1. Supplier MSDS

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