Material Safety Data Sheet

Section 1 Chemical Product and Company Identification

Manufacturer
Federal Process Corporation
4520 Richmond Road
Cleveland OH 44128
1-800-846-7325

Emergency Telephone Number — Call Chemtrec at 1-800-424-9300

Product Identifier: Nickel Coated PTFE Tape
Product Description: PTFE Tape
Product Use: Sealing Tape

Section 2 Hazards Identification

HMIS HAZARD IDENTIFICATION

Health 1* Flammability 1 Reactivity 0

EMERGENCY OVERVIEW:
PHYSICAL HAZARDS: May become slippery underfoot.
ACUTE HEALTH EFFECTS: Eye contact may cause irritation
CHRONIC HEALTH EFFECTS: Nickel is a probable carcinogen in humans. Prolonged skin contact can cause allergy. Lung allergy occasionally occurs Single high inhalation doses can cause damage to the lungs

Section 3 Composition/Information on Ingredients

Additional information is provided in the Regulatory section of this document for Sara 313, California Proposition 65, and various state right-to-know laws.
Contains:
Nickel CAS # 7440-02-0
Polytetrafluoroethylene CAS # 9002-84-0
Polytetrafluorethylene can emit toxic vapors at temperatures exceeding 700 F see Section 5 for additional information.

Section 4 First Aid Measures

INHALATION: Not expected to become a significant inhalation hazard under normal conditions of use.

INGESTION: If ingested this product may cause nausea, vomiting, headaches, dizziness and gastrointestinal irritation. Give two glasses of water to drink,induce vomiting. Consult a physician. Never give anything by mouth to an unconscious person.

EYES: Not expected to come in contact with eyes. In the unlikely event of eye exposure no effects are expected other than the normal irritation produced by a foreign body in the eye. Flush with running water to remove. Lasting irritation should be referred to a physician.

SKIN: Skin contact may in isolated cases cause an allergic reaction in common with most other materials. Wash well with soap and water after contact. If irritation develops or persists consult a physician.

Section 5 Fire Fighting Measures

EXTINGUISHING MEDIA: Foam (Aqueous Film Forming Foam) , dry chemical, carbon dioxide.

SPECIAL PRECAUTIONS: This compound will not burn unless it is pre-heated. Water fog may be used to cool the containers, however frothing may occur if water is sprayed directly into burning containers. Do not enter fire area without proper protection.

HAZARDOUS COMBUSTION PRODUCTS: The thermal decomposition products are highly dependant upon the combustion conditions. Noxious or toxic fumes may be generated, some of which may be toxic or irritating. Polytetrafluorethylene can emit toxic fumes when heated to temperatures exceeding 700 F. The maximum operating temperature for this compound is around 500 F. At these temperatures PTFE does not undergo any thermal degradation and is not hazardous.

FLASH POINT: Not Established
LOWER FLAMMABLE LIMIT: Not established
UPPER FLAMMABLE LIMIT: Not established
AUTOIGNITION TEMPERATURE: Not established

Section 6 Accidental Release Measures

Spills cannot occur. Dispose of any excess material in a safe manner. Incineration is to be avoided.

Section 7 Handling and Storage

HANDLING: Avoid contact with the skin and eyes. Use good industrial hygiene practices. Keep containers closed. Wash hands after using product and before eating, drinking, smoking or using toilet facilities.
STORAGE: Store in a dry place away from moisture, excessive heat and sources of ignition. Avoid storage near food to prevent food contamination.

Section 8 Exposure Controls/Personal Protection

VENTILATION REQUIREMENTS: In confined areas local and general ventilation should be provided. Ventilation systems must be designed according to approved engineering standards.

PERSONAL PROTECTION:
EYE: The wearing of protective glasses is recommended when handling any chemicals.
GLOVES: Only in the rare case where allergies are apparent are gloves necessary.
RESPIRATORY: Provide adequate ventilation in the workplace.
OTHER: Eating and smoking should be prohibited in areas where product is handled. Nothing replaces good personal hygiene. Coveralls or other full body clothing shall be worn and properly laundered after use. Workers should wash hands, face, neck, and arms before eating, drinking, or smoking.

Section 9 Physical and Chemical Properties

PHYSICAL STATE:	Coated Metallic tape.
ODOR AND APPEARANCE:	Odorless
LOWEST BOILING POINT:	Does not apply
VAPOR PRESSURE:	Not established
VAPOR DENSITY:	Not established
WATER SOLUBILITY:	Insoluble
% ORGANIC VOLATILES:	0.0% w/w
pH	N.A.

Section 10 Stability and Reactivity

STABILITY: Stable under normal conditions.
REACTIVITY: Unknown

Section 11 Toxicological Information

Exposure limits: The limits reported in Section 2 of this document refer to other physical forms of the ingredients present in this product. Limits for the formulated product have not been determined.
Nickel: This substance is listed as an NTP anticipated human carcinogen, IARC as a probable human carcinogen (Groups 2A and 2B).

Threshold Limit Value (TLV/TWA)		1 mg/m3		
Permissible Exposure Limit (PEL)	1 mg/m3			
Carcogenicity	NTP: Yes	IARC: Yes	Z List: No	OSHA REG: No

Section 12 Ecological Information

General: No special Procedures

Section 13 Disposal Information

Waste materials must be disposed of in accordance with your municipal, state, provincial and federal regulations. Contact the proper authorities for specific instructions. Avoid incineration.

Section 14 Transportation Information

DOT HAZARD CLASS:	Not Regulated
PROPER SHIPPING NAME:	Not Regulated
IDENTIFICATION NUMBER:	Not Regulated

Section 15 Regulatory Information

Listed below are chemical substances subject to supplier notification requirements. The percentages, when present represent average values.

CAS Number	SARA 313	WHMIS	CA-65
7440-02-0			
Nickel	75%	75%	75%

CA-65 - Chemical substances identified under the California Proposition 65 column are known to the State of California to cause cancer and/or reproductive toxicity.

TSCA STATUS: All ingredients of this product comply with the requirements of the US EPA Toxic Substances Control Act.

Section 16 Other

Prepared by R. L.

The above information and recommendations are believed accurate and reliable. Because it is not possible to anticipate all conditions of use, additional safety precautions may be required. The Federal Process Company makes no warranty, either express or implied, including merchantability and fitness.
USER RESPONSIBILITY: Each user should read and understand this information and incorporate it into individual site safety programs in accordance with applicable hazard communication standards and regulations.