



Safety Data Sheet

Issue date 17-Sep-2018

Revision date 17-Sep-2018

Revision Number 1

1. IDENTIFICATION

Product identification

Product identifier	PTFE Thread Sealing Tape
Other means of identification	P35161
Recommended use	Sealant
Restrictions on use	Not available

Supplier

Corporate Headquarters:
Lawson Products, Inc.
8770 W. Bryn Mawr Ave., Suite 900
Chicago, IL 60631
(866) 837-9908

Canadian Distribution Center:
Lawson Canada
7315 Rapistan Court
Mississauga, ON L5N 5Z4
(800) 323-5922

24 Hour Emergency Phone Number (888) 426-4851 (Prosar)

2. HAZARD(S) IDENTIFICATION

Hazard Classification

This product is classified as an "article" according to Title 29 of the Code of Federal Regulations, OSHA Part 1910.1200. "Article means a manufactured item other than a fluid or particle, which is formed to a specific shape or design during manufacture which has end use function dependent in whole or in part upon its shape or design during end use, and which under normal conditions of use does not release more than very small quantities or trace amounts of a hazardous chemical, and does not pose a physical hazard or health risk to employees."

Symbol Not applicable

Signal word Not applicable

Hazard statements Not applicable

Precautionary statements

Response Not applicable

Storage Not applicable

Disposal Not applicable

Hazard(s) Not Otherwise Classified (HNOC) None.

Physical Hazards Not Otherwise Classified (PHNOC) None known.

Unknown acute toxicity Not available

3. COMPOSITION/INFORMATION ON INGREDIENTS

Composition Solid, Mixture.

Chemical name	CAS-No	Weight %
Polytetrafluoroethylene	9002-84-0	99-100
Cadmium and compounds (as Cd)	7440-43-9	.1-1
Barium Sulfate	7727-43-7	.1-1

4. FIRST-AID MEASURES

Necessary first-aid measures Under normal conditions of intended use, this product does not pose a risk to health.

General Information Not expected to present a significant hazard under anticipated conditions of normal use.

Inhalation Move to fresh air in case of accidental inhalation of vapors or decomposition products.

Ingestion Not a likely route of exposure.

Skin contact No specific treatment is necessary since this material is not likely to be hazardous by skin contact.

Eye contact Not a likely route of exposure.

Most important symptoms (acute) Processing at high temperature may generate fumes which can cause flu-like symptoms (polymer fume fever). Remove to fresh air and consult physician if severe.

Most important symptoms (over-exposure) None known.

Indication of any immediate medical attention and special treatment needed Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media Not available.

Specific hazards Thermal decomposition can lead to release of toxic/corrosive gases and vapors.

Special protective equipment for fire-fighters As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

**Personal precautions,
protective equipment and
emergency procedures**

No special precautions are required.

**Methods and materials
for containment and
cleaning up**

Not applicable.

7. HANDLING AND STORAGE**Precautions for
safe handling**

Handle in accordance with good industrial hygiene and safety practice. To avoid thermal decomposition, do not overheat. Avoid excessive temperatures in storage.

**Conditions for safe
storage, including any
incompatibilities**

No known incompatibilities. Avoid humid conditions.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Control parameters**

Chemical name	OSHA PEL (TWA)	ACGIH OEL (TWA)	NIOSH - TWA
Polytetrafluoroethylene	-	-	-
Cadmium and compounds (as Cd)	0.3 mg/m ³ Ceiling 0.6 mg/m ³ Ceiling 0.1 mg/m ³ TWA 0.2 mg/m ³ TWA 5 µg/m ³ TWA	0.01 mg/m ³ TWA 0.002 mg/m ³ TWA	-
Barium Sulfate	15 mg/m ³ TWA 5 mg/m ³ TWA	5 mg/m ³ TWA	10 mg/m ³ TWA 5 mg/m ³ TWA

**Appropriate engineering
controls**

Ensure adequate ventilation, especially in confined areas.

**Individual protection measures,
such as personal protective
equipment****Eye protection**

ANSI approved safety glasses are recommended when accidental eye contact is possible.

Skin and body protection

No special technical protective measures are necessary.

Respiratory protection

In case of inadequate ventilation wear respiratory protection. A filter designed to remove Thermally Generated Particles is recommended.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice.

**Canadian Province Occupational
Exposure Limits**

Chemical name	Alberta OEL	British Columbia OEL	Manitoba OEL	New Brunswick - OEL	Newfoundl and & Labrador - OEL	Nova Scotia - OEL	Ontario OEL	Prince Edward Island - OEL	Quebec OEL	Saskatche wan - OEL
Polytetrafluoroethyl ene	-	-	-	-	-	-	-	-	2.5 mg/m ³ TWA _{EV}	-
Cadmium and compounds (as Cd)	0.01 mg/m ³ TWA 0.002	0.01 mg/m ³ TWA	0.002 mg/m ³ TWA	0.01 mg/m ³ TWA	0.002 mg/m ³ TWA	0.002 mg/m ³ TWA	0.01 mg/m ³ TWA	0.002 mg/m ³ TWA	0.025 mg/m ³	0.03 mg/m ³ STEL

Chemical name	Alberta OEL	British Columbia OEL	Manitoba OEL	New Brunswick - OEL	Newfoundland and Labrador - OEL	Nova Scotia - OEL	Ontario OEL	Prince Edward Island - OEL	Quebec OEL	Saskatchewan - OEL
	mg/m ³ TWA	0.002 mg/m ³ TWA 0.01 mg/m ³ TWA 0.002 mg/m ³ TWA	0.01 mg/m ³ TWA	0.002 mg/m ³ TWA	0.01 mg/m ³ TWA 0.002 mg/m ³ TWA 0.01 mg/m ³ TWA	0.01 mg/m ³ TWA	0.002 mg/m ³ TWA 0.01 mg/m ³ TWA 0.002 mg/m ³ TWA	0.01 mg/m ³ TWA 0.002 mg/m ³ TWA 0.01 mg/m ³ TWA	TWAEV 0.025 mg/m ³ TWAEV	0.006 mg/m ³ STEL 0.01 mg/m ³ TWA 0.002 mg/m ³ TWA 0.01 mg/m ³ TWA 0.002 mg/m ³ TWA
Barium Sulfate	10 mg/m ³ TWA	10 mg/m ³ TWA 3 mg/m ³ TWA	5 mg/m ³ TWA	10 mg/m ³ TWA	5 mg/m ³ TWA	5 mg/m ³ TWA	5 mg/m ³ TWA	5 mg/m ³ TWA	10 mg/m ³ TWAEV 5 mg/m ³ TWAEV	20 mg/m ³ STEL 10 mg/m ³ TWA

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Solid
Color	White
Odor	None
Odor threshold	None
Melting point/range °C	342 °C
Melting point/range °F	647 °F
Boiling point/range °C	Not available
Boiling point/range °F	Not available
Evaporation rate	Not applicable
Flammability (Solid, Gas)	This product is not flammable
Lower explosion limit	Not available
Upper explosion limit	Not available
Vapor pressure	Not applicable
Vapor density	Not applicable
Relative density	Not available
Solubility	insoluble
Partition coefficient (n-octanol/water)	Not available
Autoignition temperature °C	Product is not self-igniting
Autoignition temperature °F	Product is not self-igniting

Decomposition temperature °C 690 °C

Decomposition temperature °F 1275 °F

Viscosity Not applicable

10. STABILITY AND REACTIVITY

Reactivity No dangerous reactions under normal conditions of use.

Chemical stability This material is considered stable.

Possibility of hazardous reactions No dangerous reactions under normal conditions of use.

Conditions to avoid None known.

Incompatible materials Strong oxidizing agents. Acids. Bases.

Hazardous decomposition products Thermal decomposition can lead to release of irritating and toxic gases and vapors. Corrosive vapors.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure None known based on information supplied.

Symptoms Not available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure Not available.

Numerical measures of toxicity

Chemical name	Inhalation LC50:	Dermal LD50:	Oral LD50:
Polytetrafluoroethylene	-	-	-
Cadmium and compounds (as Cd)	= 25 mg/m ³ (Rat) 30 min	-	= 1140 mg/kg (Rat)
Barium Sulfate	-	-	= 307000 mg/kg (Rat)

ATEmix (dermal) Not available

ATEmix (oral) Not available

ATEmix (inhalation-gas) Not available

ATEmix (inhalation-vapor) Not available

ATEmix (inhalation-dust/mist) Not available

Carcinogenicity

Chemical name	ACGIH OEL - Carcinogens	IARC	OSHA RTK Carcinogens	NTP
Polytetrafluoroethylene	-	Group 3	-	-

Chemical name	ACGIH OEL - Carcinogens	IARC	OSHA RTK Carcinogens	NTP
Cadmium and compounds (as Cd)	A2	Group 1	Listed	Known
Barium Sulfate	-	-	-	-

Canadian Province carcinogenicity limits

Chemical name	Alberta - Carcinogen	British Columbia - Carcinogen	Manitoba - Carcinogen	New Brunswick - Carcinogen	Nova Scotia - Carcinogen	Quebec - Carcinogen
Polytetrafluoroethylene	-	-	-	-	-	-
Cadmium and compounds (as Cd)	A2 - Suspected Human Carcinogen	ACGIH A2 IARC 1 IARC 1	ACGIH A2	ACGIH A2	ACGIH A2	C2 carcinogen
Barium Sulfate	-	-	-	-	-	-

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical name	Algae/aquatic plants	Fish
Polytetrafluoroethylene	-	-
Cadmium and compounds (as Cd)	-	0.003: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 4.26: 96 h Cyprinus carpio mg/L LC50 semi-static 0.006: 96 h Oncorhynchus mykiss mg/L LC50 static 0.24: 96 h Cyprinus carpio mg/L LC50 static 0.016: 96 h Oryzias latipes mg/L LC50 0.002: 96 h Cyprinus carpio mg/L LC50 21.1: 96 h Lepomis macrochirus mg/L LC50 flow-through 0.0004 - 0.003: 96 h Pimephales promelas mg/L LC50
Barium Sulfate	-	-

Persistence and degradability Component(s) of this product are not biodegradable.

Bioaccumulation

Chemical name	CAS-No	Partition coefficient (log Kow)
Polytetrafluoroethylene 9002-84-0	9002-84-0	-
Cadmium and compounds (as Cd) 7440-43-9	7440-43-9	-
Barium Sulfate 7727-43-7	7727-43-7	-

Mobility in soil Not available.

Other adverse effects Not available

13. DISPOSAL CONSIDERATIONS

Disposal information Material should be recycled if at all possible.

Contaminated packaging Dispose in accordance with local, state and federal regulations. Please recycle empty container whenever possible.

14. TRANSPORTATION INFORMATION

Shipping Descriptions

DOT

Proper shipping name Not regulated

TDG

Proper shipping name Not regulated

IATA

Proper shipping name Not regulated

IMDG/IMO

Proper shipping name Not regulated

Marine Pollutants

Chemical name	CAS-No	USDOT Marine Pollutant	Canada TDG Marine Pollutant	IMDG Marine Pollutant
Polytetrafluoroethylene	9002-84-0	-	-	-
Cadmium and compounds (as Cd)	7440-43-9	X	-	-
Barium Sulfate	7727-43-7	-	-	-

Special Precautions

Multi-modal shipping descriptions are provided for informational purposes and do not consider container size. The presence of a shipping description for a particular mode of transport (sea, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport. People loading and unloading dangerous goods must be trained on all of the risks deriving from the substances and on all actions in case of emergency situations.

15. REGULATORY INFORMATION

State regulations

U.S. state Right-to-Know regulations

Chemical name	CAS-No	Massachusetts - RTK	New Jersey - RTK	Pennsylvania - RTK
Polytetrafluoroethylene	9002-84-0	-	-	X
Cadmium and compounds (as Cd)	7440-43-9	X	X	X
Barium Sulfate	7727-43-7	X	X	X

California Prop. 65

WARNING: This product contains a chemical(s) known to the state of California to cause cancer, birth defects or other reproductive harm

Chemical name	CAS-No	California Prop. 65
Polytetrafluoroethylene	9002-84-0	-

Chemical name	CAS-No	California Prop. 65
Cadmium and compounds (as Cd)	7440-43-9	Carcinogen Developmental Male Reproductive
Barium Sulfate	7727-43-7	-

U.S. Federal Regulations

US EPA SARA 313

Chemical name	CAS-No	CERCLA/SARA Hazardous Substances RQ	SARA 313 - Threshold Values
Polytetrafluoroethylene	9002-84-0	-	-
Cadmium and compounds (as Cd)	7440-43-9	10 lb 4.54 kg	0.1 %
Barium Sulfate	7727-43-7	-	1.0 %

US EPA SARA 311/312
hazardous categorization

Not available

International inventories

All components of this product are listed on the following inventories: U.S.A. (TSCA 8(b)), Canada (DSL/NDSL) or are exempt.

Chemical name	DSL/NDSL	Inventory - United States - Section 8(b) Inventory (TSCA)	U.S. - TSCA (Toxic Substances Control Act) - Section 12(b) - Export Notification
Polytetrafluoroethylene	X	X	-
Cadmium and compounds (as Cd)	X	X	-
Barium Sulfate	X	X	-

16. OTHER INFORMATION

NFPA

Health 0
 Flammability 0
 Instability 0

HMIS

Health 0
 Flammability 0
 Physical hazards 0

Notice: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA).

Prepared by Regulatory Affairs

Issue date 17-Sep-2018

Revision date 17-Sep-2018

Revision note

Key to abbreviations

ACGIH (American Conference of Governmental Industrial Hygienists)
ATE (Average Toxicity Estimate)
DSL/NDSL (Domestic Substance List/Non-Domestic Substance List)
HMIS (Hazardous Materials Identification System)
IARC (International Agency for Research on Cancer)
IATA (International Air Transport Association)
IMDG/IMO (International Maritime Dangerous Goods/International Maritime Organization)
NFPA (National Fire Protection Association)
NTP (National Toxicology Program)
OEL (Occupational Exposure Level)
OSHA (Occupational Safety and Health Administration of the US Department of Labor)
PEL (Permissible Exposure Limit)
TSCA (Toxic Substance Control Act)
USEPA (United States Environmental Protection Agency)

Disclaimer

The information accumulated herein is believed to be accurate, but is not warranted to be, whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.

End of Safety Data Sheet