

MSDS - Material Safety Data Sheet

Product Name: PTFE THREAD SEAL TAPE

MSDS No.: 017500

Part Numbers Covered:

PART NUMBERS COVERED UNDER THIS MSDS ARE LISTED IN SECTION 16.

1. Basic Information:

Manufacturer: William H. Harvey Company

Address: 4334 South 67th Street

City, ST Zip: Omaha, NE 68117-1019

Emergency Contact: CHEMTREC

Emergency Telephone Number: (800)424-9300

Contact: Information Telephone Number

Information Telephone Number: (800)228-9681

Last Update: 11/06/2008

Expiration Date:

Chemical State: Liquid Gas Solid

Chemical Type: Pure Mixture



0	Health
0	Flammability
0	Reactivity
	Pers. Protection

2. Ingredients:

Trade Secret

CAS No.	Chemical Name	% Range	EHS		IARC		SARA		OSHA PEL	ACGIH TLV	Other Limits
			NTP	313	SUB	Z					
9002-84-0	Polytetrafluoroethylene	90 - 100						NE	NE	NI	

3. Hazardous Identification:

Hazard Category:

Acute Chronic Fire Pressure Reactive

Hazardous Identification Information:

EMERGENCY OVERVIEW:

Non-hazardous under recommended conditions of handling.

CAUTION! The fumes produced when heated at high temperatures are toxic. Exposure to thermodegradation products may cause influenza-like symptoms.

4. First Aid Measures:

Route(s) of Entry:

None identified.

Health Hazards (Acute and Chronic):

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Unheated Polytetrafluoroethylene product is inert, and there are no known instances of health hazard from handling unheated Polytetrafluoroethylene product. When heated at high temperatures, it will thermally degrade and decompose and produce toxic fumes. Inhalation of such fumes will cause "polymer fume fever" which has symptoms very similar to influenza and can include headache, cough, fever, chills, etc.

Signs and Symptoms:

Similar to influenza and can include headache, cough, fever, chills, etc.. The symptoms do not occur until several hours after exposure and may pass within 36 to 48 hours, even in absence of treatment.

Medical Conditions Generally Aggravated by Exposure:

NI

Emergency and First Aid Procedures:

EMERGENCY FIRST AID CALL: 1-303-623-5716 COLLECT

INHALATION:

Not likely to be inhaled due to physical form. For treatment of fume inhalation irritation, leave contaminated area and breathe fresh air. If coughing, difficult breathing or any other symptoms develop get medical attention.

INGESTION:

Not a likely route of exposure.

SKIN CONTACT:

If contact with molten product occur, treat as for thermal burn. Do not try to peel molten polymer from the skin. Get medical attention promptly.

EYE CONTACT:

If contact with molten product occurs, remove contact lenses at once. Immediately flush eyes with large quantities of water for at least 15 minutes. Get medical attention.

NOTE TO PHYSICIAN:

Treat symptomatically.

Other Health Warnings:

NI

5. Fire Fighting Measures:

Flash Point: Non-flammable

Lower Explosive Limit: NA

Upper Explosive Limit: NA

F.P. Method:

Fire Extinguishing Media: Use that which is appropriate for the surrounding fire.

Special Fire Fighting Procedures:

Persons exposed to thermal decomposition product of this material should wear self-contained breathing apparatus, full protective equipment, and also gloves made of chloroprene rubber.

Unusual Fire and Explosion:

Fluorocarbon polymers are non-flammable in air and will not propagate flame. However under high temperature they can yield toxic particles, fumes, and gases. In case of fire, escape to the windward direction.

6. Accidental Release Measures:

Steps to be Taken in Case Material is Released or Spilled:

Not applicable.

When disposing of product, obey all local rules, laws, regulations, etc..

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7. Handling and Storage:

Precautions to be Taken:

HANDLING:

Do not use over service temperature (500° F). In case product is used over 500° F., ventilate well and do not inhale thermodegradation products.

STORAGE:

Store in a cool, dry area away from heat and sources of ignition.

Other Precautions:

NI

8. Exposure Controls/Personal Protection:

Ventilation Requirements:

AIRBORNE EXPOSURE CONTROLS:

See Section 2, COMPOSITION /INORMATION ON INGREDIENTS.

ENGINEERING CONTROLS:

Not required under recommended conditions of handling. When used above 500° F., toxic fumes will be produced from thermal degradation and /or decomposition of fluorocarbon polymers and therefore proper ventilation equipment shall be installed and used.

Personal Protective Equipment:

EYE/FACE PROTECTION:

Not required under recommended conditions of handling.

SKIN PROTECTION:

Not required under recommended conditions of handling.

RESPIRATORY PROTECTION:

Not required under recommended conditions of handling.

9. Physical and Chemical Properties:

Boiling Point: NA

Melting Point: 621° F.

Evaporation Rate (Butyl Acetate = 1): NA

Vapor Pressure (mm Hg.): NA

Specific Gravity (H2O = 1):

Vapor Density (AIR = 1): NA

Solubility In Water: Insoluble

Appearance and Odor: Solid, tape shape, white or pink or yellow, no odor.

Other Information: Specific Gravity: .035 - 1.2 (H2O = 1.0)

VOC (Volatile Organic Compound) Content = None

SERVICE AND WORKING TEMPERATURE: up to 500° F.

10. Stability and Reactivity:

Stability:

Stable and non-hazardous under recommended conditions of handling.

Incompatibility (Materials to Avoid):

May react with molten alkali such as sodium metal, and fluorine gas at high temperature and pressure.

Decomposition/By Products:

Above 500° F. this product thermally degrades at a rate dependent on the temperature, releasing toxic materials.

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Hazardous Polymerization:

Will not occur.

11. Toxicological Information:

ACUTE AND CHRONIC HEALTH HAZARD:

No acute and chronic hazard under recommended conditions of storage and handling. Neither acute nor chronic effects are likely.

INHALATION:

Unheated Polytetrafluoroethylene product is inert, and there are no known instances of health hazard from handling unheated Polytetrafluoroethylene product. When heated at high temperatures, it will thermally degrade and decompose and produce toxic fumes. Inhalation of such fumes will cause "polymer fume fever" which has symptoms very similar to influenza and can include headache, cough, fever, chills, etc..

EYE CONTACT:

Not hazardous under recommended condition of handling

SKIN CONTACT:

Not hazardous under recommended condition of handling. Molten material can cause severe burns.

INGESTION:

Not identified.

SPECIAL HAZARD INFORMATION:

Unheated Polytetrafluoroethylene product is inert, and there are no known instances of health hazard from handling unheated Polytetrafluoroethylene product. When heated at high temperatures, it will thermally degrade and decompose and produce toxic fumes. Inhalation of such fumes will cause "polymer fume fever" which has symptoms very similar to influenza and can include headache, cough, fever, chills, etc.. The symptoms do not occur until several hours after exposure and may pass within 36 to 48 hours, even in absence of treatment.

CARCINOGENICITY:

Polytetrafluoroethylene is classified as IARC GROUP 3 (Not classifiable as its carcinogenicity to humans).

12. Ecological Information:

Ecological testing has not been conducted on this product.

13. Disposal Considerations:

Do not incinerate! Comply with all federal, state and local regulations.

14. Transport Information:

TRANSPORTATION INFORMATION:

Follow all regulations in your country.

U.S. DOT PROPER SHIPPING NAME: N/A

DOT LABEL: N/A

DOT NUMBER: N/A

UN NUMBER: N/A

IMCO CLASS: N/A

DOT HAZARD CLASSIFICATION: N/A

15. Regulatory Information:

No data available.

End of Regulatory Information.

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PART NUMBERS COVERED UNDER THIS MATERIAL SAFETY DATA SHEET:

011900	017065-DB	017116	017186-500	017356	017720	017814
011905	017066	017117-100	017187-500	017470	017721	017815
011920	017067	017117-144	017188-500	017500-144	017728	017816
011925	017068-350	017117-24	017205	017500-24	017733	017818
011930	017069	017117-350	017206	017508-144	017745	017820
011950	017070-24	017117-350H	017207	017508-24	017746	017821
017000	017070-768	017117-500	017208-144	017509-144	017747	017822
017002-500	017071	017117B	017209-144	017516-144	017748	017823
017005-500	017071-500	017117B-144	017209-24	017516-24	017749	017824
017008-144	017072-100	017117-C	017209B	017524-144	017750	017825
017009-500	017072-144	017118	017210-12	017524-24	017751	017826
017012-500	017072-24	017119	017210-144	017525-144	017752	017827
017015-500	017072-350	017120-24	017212	017526-144	017754	017828
017016-500	017072-350H	017120-768	017214-144	017528-144	017755	017850
017019-500	017072-500	017121	017216	017529-144	017756	017852
017020-500	017072B-144	017122-100	017217-144	017540-144	017758	017853
017021-500	017072B-500	017122-24	017225-12	017540-24	017759	017854
017022-500	017072-D	017122-BC	017225-144	017541-144	017762	017855
017023-500	017073	017123-500	017230-24	017548-144	017763	017856
017024-500	017074	017125-500	017250-144	017548-24	017764	017857
017027-500	017076	017126	017250-24	017549-144	017765	017858
017029-500	017077-100	017127-500	017251	017564-144	017780	017859
017030-144	017077-24	017128-500	017252-144	017564-24	017781	017900
017031-144	017077-BC	017129-500	017252-24	017565-144	017782	017901
017031-500	017078	017130	017252B	017566-144	017783	017902
017032-500	017079	017131-500	017256-144	017567-144	017784	031700
017033-500	017080-500	017132	017257	017572-144	017786	098400-HA
017035-500	017082-500	017133	017258-144	017572-24	017787	098400-HB
017045-24	017083	017135-24	017259-144	017573-144	017788	098400-HB
017045-768	017084-500	017135-768	017260-144	017580-144	017789	098400-HB
017050-150	017086-144	017140-150	017261-144	017580-24	017790	098401-B
017050-24	017087-100	017140-24	017262-144	017581-144	017791	098403-B
017051-24	017088-D	017150-24	017263	017588-144	017792	098403-B
017051-768	017090-24	017150-768	017265-144	017588-24	017793	098410-B
017055	017090-768	017165-144	017266-144	017590-144	017794	098410-B
017056-500	017095-150	017165-24	017269-144	017590-24	017796	098410-B
017057-500	017095-24	017167	017270-144	017610-144	017797	098420-B
017058	017100	017168	017272-144	017610-24	017799	098420-B
017060-24	017103-500	017168B-144	017273-144	017610-B	017800	098420-B
017060-768	017104-144	017169-144	017275-144	017612-100	017801	098420-B
017061-500	017105-24	017170	017276	017710	017802	098420-B
017063	017105-768	017175-500	017277	017712	017804	099982
017064	017106-500	017176-288	017278-144	017714	017805	099983
017064-C	017109	017177-500	017280-144	017715	017807	099984
017065	017110	017181-500	017281	017716	017808	
017065-144	017111	017183-288	017340-144	017717-500	017810	
017065-B	017112-350	017184-144	017340-24	017717-D	017811	
017065-C	017114	017184-500	017342-144	017718	017812	
017065-D	017115	017185-500	017343-144	017718-500	017813	

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ABBREVIATIONS:

~ = Approximately
< = Less Than
> = Greater Than
ACGIH = American Conference of Governmental Industrial Hygienists
AIHA = American Industrial Hygiene Association
C = Degrees Celcius
Deg = Degrees
EPA = Environmental Protection Agency
F = Degrees Farenheit
HMIS = Hazardous Materials Information System
IARC = International Agency for Research on Cancer
NA = Not Applicable
NDA = No Data Available
NE = Not Established
NFPA = National Fire Protection Association
NI = Not Indicated
NIOSH = National Institute of Occupational Safety and Health
NTP = National Toxicology Program
OSHA = Occupational Safety and Health Administration

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