

### Manufacturer Information

Manufacturer/Distributor:	IMS Company 10373 Stafford Road Chagrin Falls, OH 44023-5296	Emergency Phone #: Prepared by: Prepared/Revised:	800-424-9300 Safety Advisor December 18, 2000
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Trade Name ..... Thread Sealant Tape with TEFLON®

Item Number ..... 105579                      Replaces WLXX-HHT

### Hazardous Material Information System

<b>Health</b> .....0	<b>Flammability</b> .....0	<b>Reactivity</b> .....0	<b>Protection</b> .....X
* Chronic (Accumulates)			
0 Normal use Material	0 Will Not Burn	0 Stable	X = Consult the
1 Slight Hazard (temporary)	1 Possible to Burn	1 Unstable if Heated	MSDS and
2 Health Affected (lengthy)	2 Burns if Heated	2 Violent Chemical Change	your supervisor
3 Extreme Danger	3 Easily Burns	3 Shock and Heat Sensitive	for your special
4 Severe or Fatal	4 Very Easily Burns	4 May Explode	workplace need

NOTE: The HMIS may be not enough hazard information for this chemical in all workplaces. The HMIS system requires employee training about the system and about information in this MSDS.

### Section 2 - Ingredients

Chemical/Common Name	CAS-Number	%	PEL-OSHA	TLV-ACGIH
Polytetrafluoroethane	9002-84-0	100	(1)	(1)
(1) Non established				

**CARCINOGENICITY** Ingredient is not listed by IARC, NTP, or regulated by OSHA as a carcinogen.

### Section 3 - Health Information

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE** None expected.

**SYMPTOMS/EFFECTS OF OVEREXPOSURE** TEFLON® is relatively non-toxic. The primary health hazard associated with TEFLON® is thermal decomposition by-products from extremely high temperature. Do not use in applications where the temperature is expected to exceed 500° F (260° C). If tobacco products are contaminated with TEFLON® then a condition known as "polymer fume fever" can occur. The effects are reversible.

**INHALATION** Not likely under normal conditions of use. If using in high temperatures, application where thermal decomposition is likely, use a local exhaust to remove fumes. If dizziness or irritations occur, seek fresh air. Heated, fumes may be unpleasant and produce nausea, irritation of the respiratory tract, polymer fume fever (delay of symptoms of several hours and may pass within 36 to 48 hours), and serious health affects.

**INGESTION** Not expected to cause an acute reaction.

**EYE** Unlikely.

**SKIN** No reaction expected.

**PRIMARY ROUTES OF ENTRY** None.

#### EMERGENCY FIRST AID PROCEDURES

**Eye Contact:** Rinse thoroughly with water for at least 15 minutes while holding eyelids open. Remove any contact lenses to ensure thorough flushing. Call a physician if irritation develops or persists.

**Skin Contact:** If from fumes, wash skin with water and soap if available, for several minutes. Call a physician if irritation develops or persists.

If heated to high heat temperatures, thermal burns may result from skin contact. Do not try to peel the solidified material from the skin nor use solvents or thinners to dissolve it.

**Inhalation:** Move to fresh air. Call a physician if respiratory irritation develops or if breathing becomes difficult.

**Ingestion:** Not expected to cause an acute reaction. Consult a poison control center or a physician if any illness symptoms occur.

### Section 4 - Physical Data

Boiling Point (F) .....	NA	Specific Gravity (H2O=1) .....	0.4 –1.2
Vapor Pressure.....	0	Evaporation Rate (Water = 1).....	0
Vapor Density (Air = 1) .....	NA	Percent Volatile .....	0
Solubility in Water .....	NONE	Melting point .....	648° F (342° C)
Appearance and Odor	White plastic like tape, no odor		

### Section 5 – Fire and Explosion Data

Flash Point (COC) .....Non-Flammable      Flammable Limits .....LEL = NA UEL = NA  
Autoignition temperature.....NA

**Extinguishing Media** Use media suitable for surrounding materials. Foam, carbon dioxide, sand, dirt, or dry chemical.

**Special Fire Fighting Procedures** Wear self-contained breathing apparatus. Protect from Hydrogen Fluoride fumes that react with water to form hydrofluoric acid. May emit toxic fumes in a fire. If water must be used, use a fog nozzle to avoid spattering of hot material. Wear organic vapor respirator. Does not burn without an external source of fuel.

**Unusual Fire and Explosion Hazards** Dense smoke and noxious or toxic fumes may be generated in a fire. Fire fighter should wear self-contained breathing apparatus. Will burn in 95% oxygen.

### Section 6 – Reactivity Data

**Incompatibility (Conditions to Avoid)** Alkali metals, interhalogen compounds, sodium potassium alloy, temperatures over 400° F (204° C).

**Hazardous Decomposition Products** If the service temperature exceeds 750° F (399° C), then TEFLON® will begin to undergo thermal decomposition. At these temperatures, TEFLON® can emit acutely toxic vapors. These vapors can include hydrogen fluoride fumes, hexafluoropropylene, perfluoroisobutylene, and carbonyl fluoride. Fire decomposition products include the above, plus perfluoroolefin, carbon anoxide and low molecular weight fluorocarbons.

**Is the Product Stable?** Yes

### Section 7 - Spill or Leak Procedures

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

**It may generate Static electrify in stretching, pulling, cutting – static charges may be a discharge hazard.**

Uncontaminated material may be picked up for use. If contaminated, place into a container for disposal. Remove sources of combustible air contamination.

#### **Waste Disposal Methods**

Dispose of in accordance with Local, state, and Federal regulations. Depending upon product condition, it may be suitable for use. Solid waste landfill is acceptable method of disposal. Burn only if incinerator is capable of scrubbing out HF and other acidic combustion products.

### Section 8 - Exposure Control Information

#### **Storage and Handling**

No reasonably foreseen conditions for special storage.

Protect spools against physical damage. Keep container closed to keep product clean. Store in labeled containers, in a cool, dry area, away from heat, sparks, open flame, and incompatible materials.

**Ventilation** Do not use in atmosphere with combustible dust or vapors in air. Product can produce static electricity upon stretching, pulling, and cutting.

**Respiratory Protection** None required.

**Protective Clothing** None required.

**Other Protective Equipment** None required.

**Other Precautions** Do not smoke while using. Use good standard work practices when using this material. Wash hands and face after handling to avoid transfer of product residues into cigarettes and tobacco.

#### **Additional Comments**

**CAUTION Intentional misuse of this chemical product, as with any industrial chemical, in contact with the body can be harmful or fatal. This includes such things as deliberately breathing, placing in mouth, swallowing, placing on skin, or any other body contact, or repeated, or continuous contact.**

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