Thread Sealant Tape with PTFE

Manufacturer Information

Manufacturer/Distributor: IMS Company
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Chagrin Falls, OH 44023-5296
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Prepared by: Safety Advisor
Prepared/Revised: 7/29/2011
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Trade Name ..... Thread Sealant Tape with PTFE

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

Hazardous Material Information System

Health .....0 Flammability.....0 Reactivity .....0 Protection.....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 PTFE is relatively non-toxic. The primary health hazard associated with PTFE 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 PTFE 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 (H20=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 PTFE will begin to undergo thermal decomposition. At these temperatures, PTFE can emit acutely toxic vapors. These vapors can include hydrogen fluoride fumes, hexafluoropropylene, perfluoroisobutylene, and carbonyl fluoride. Fire decomposition products include the above, plus perfluoroolefing, 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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