



## PTFE Tape

### Material Safety Data Sheet

Information on this form is furnished solely for the purpose of compliance with the Occupational Safety and Health Act and shall not be used for any other purpose. Black Swan Manufacturing Co. urges the customers receiving this Material Safety Data Sheet to study it carefully to become aware of the hazards, if any, of the product involved. In the interest of safety, you should notify your employees, agents, and contractors of the information on the sheet.

SECTION I - GENERAL INFORMATION				
Black Swan Manufacturing Co. 4540 W. Thomas Street Chicago, IL 60651-3318 Telephone No: 1-773-227-3700 Fax No: 1-773-227-3705			For chemical emergencies during transportation only call  INFOTRAC <b>1-800-535-5053</b> 24 hours per day - 7 days a week	
<b>Date Prepared</b> 01/01/08			<b>Trade Name</b> <b>PTFE TAPE</b>	
SECTION II - HAZARDOUS INGREDIENTS / IDENTITY INFORMATION				
HAZARDOUS COMPONENTS	CAS#	APPROX%	ACGIH-TLV	OSHA-PEL
NONE <u><b>OTHER INGREDIENTS</b></u>  POLYTETRAFLUOROETHYLENE 9002-84-0 100				
*Title III Section 313 Supplier Notification: this product contains toxic chemicals subject to the reporting requirements of Section 313 of the Emergency planning and community Right-to-Know Act of 1966 and of 40CFR372. This information must be included in all MSDS's that are copied and distributed for this material.				
<u><b>SHIPPING INFORMATION</b></u>			<u><b>SPECIAL HAZARD DESIGNATIONS</b></u>	
			<u>HMIS</u> <u>HAZARD RATINGS</u>	

NOT HAZARDOUS FOR SHIPPING PURPOSES.	HEALTH FLAMMABILITY REACTIVITY PROTECTIVE EQUIPMENT	0 0 0 NONE	0 - MINIMAL 1- SLIGHT 2- MODERATE 3- SERIOUS 4- SEVERE
SECTION III - PHYSICAL DATA			
APPEARANCE SOLID TAPE	ODOR NO ODOR	BOILING POINT N/A	
SPECIFIC GRAVITY (H2O=1) .4 - 1.2	VAPOR PRESSURE (mm Hg.) N/A	VOLATILE BY VOLUME (%) N/A	
VAPOR DENSITY (AIR=1) N/A	EVAPORATION RATE (BUAC=1) N/A	SOLUBILITY IN WATER INSOLUBLE	
SECTION IV - FIRE AND EXPLOSION HAZARD DATA			
FLASH POINT ( METHOD USED)	FLAMMABLE LIMITS	LEL	UEL
NON-FLAMMABLE	(PERCENT BY VOLUME)	N/A	N/A
<b>FIRE EXTINGUISHING MEDIA</b> WATER, FOAM, DRY CHEMICAL OR CO2.			
<b>SPECIAL FIRE FIGHTING PROCEDURES</b> WEAR SELF-CONTAINED BREATHING APPARATUS. WEAR FULL PROTECTIVE EQUIPMENT. PROTECT FROM HYDROGEN FLUORIDE FUMES WHICH REACT WITH WATER TO FORM HYDROFLUORIC ACID. WEAR NEOPRENE GLOVES WHEN HANDLING REFUSE FROM A FIRE INVOLVING PTFE.			
<b>UNUSUAL FIRE AND EXPLOSION HAZARD</b> PTFE WILL BURN IN AN ATMOSPHERE OF 95% OXYGEN WHEN AN IGNITION SOURCE IS PRESENT. HAZARDOUS GASES/VAPORS PRODUCED IN A FIRE ARE HYDROGEN FLUORIDE (HF), CARBONYL FLUORIDE, PERFLUOROOLEFING, CARBON ANOXIDE AND LOW MOLECULAR WEIGHT FLUOROCARBONS.			
SECTION V - HEALTH HAZARD DATA			
PRIMARY ROUTES OR ENTRY <input checked="" type="checkbox"/> Inhalation <input type="checkbox"/> Skin contact <input type="checkbox"/> Eye contact <input type="checkbox"/> Ingestion			
<b>EFFECT OF OVEREXPOSURE</b>			

NONE

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE**

PTFE IS NOT LISTED BY IARC, NTP, OSHA OR ACGIH AS A CARCINOGEN. NO SIGNIFICANT ADVERSE EFFECTS ANTICIPATED. REPEATED ORAL DOSES OF THE POLYMER RESIN YIELDED NO TOXIC EFFECTS EXCEPT FOR ALTERATION IN THE NUMBER OF CIRCULATING WHITE BLOOD CELLS AFTER LONG-TERM DOSING. TESTS DEMONSTRATE NO DEVELOPMENTAL TOXICITY IN ANIMALS, AND NO GENETIC DAMAGE IN ANIMALS OR IN BACTERIAL CELL CULTURES.

**EMERGENCY AND FIRST AID PROCEDURES**

THIS PRODUCT IS UNLIKELY TO CAUSE MEDICAL PROBLEMS UNLESS PRODUCT IS UNDER EXTREME HEAT. IF FUMES ARE INHALED, MOVE TO FRESH AIR. IF SKIN CONTACT, WASH AREA OF CONTACT. IF EYE CONTACT, FLUSH WITH WATER. CALL A PHYSICIAN IF NECESSARY.

**SECTION VI - REACTIVITY**

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	TEMPERATURES ABOVE 280° C WITHOUT ADEQUATE VENTILATION.

**INCOMPATIBILITY (MATERIALS TO AVOID)**

MOLTEN ALKALI, CERTAIN HALOGEN PRODUCTS, AND FLUORINE (AT HIGH TEMPERATURES AND PRESSURE).

**HAZARDOUS DECOMPOSITION PRODUCTS**

ABOVE 535° F, THIS PRODUCT MAY EVOLVE TOXIC GASEOUS MATERIALS SUCH AS HYDROGEN FLUORIDE, CARBONYL FLUORIDE AND PERFLUOROOLEFING. PARTICULATE MATTER EVOLVED FROM OVERHEATING MAY CAUSE POLYMER FUME FEVER.

HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	NONE

**SECTION VII - SPILL OR LEAK PROCEDURES**

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

N/A

**WASTE DISPOSAL METHOD**

DISCARDED PRODUCT IS NOT A HAZARDOUS WASTE UNDER RCRA, 40 CFR 261. PREFERRED OPTIONS FOR DISPOSAL ARE RECYCLING AND LANDFILL. INCINERATE ONLY IF INCINERATOR IS CAPABLE OF SCRUBBING OUT HYDROGEN FLUORIDE AND OTHER ACIDIC COMBUSTION PRODUCTS. TREATMENT, STORAGE, TRANSPORTATION, AND DISPOSAL MUST BE IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS.

SECTION VIII - SPECIAL PROTECTION INFORMATION

**RESPIRATORY PROTECTION (Specify type)**

WHEN USED AT HIGH TEMPERATURE, TOXIC FUMES WILL BE PRODUCED FROM THERMAL DEGRADATION AND/OR DECOMPOSITION OF PTFE. AND THEREFORE, PROPER VENTILATION EQUIPMENT SHALL BE INSTALLED AND USED.

**VENTILATION**

NONE

**PROTECTIVE GLOVES**

N/A

**EYE PROTECTION**

N/A

**OTHER PROTECTIVE EQUIPMENT AND HYGIENIC PRACTICES**

NONE

SECTION IX - SPECIAL PRECAUTIONS

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING**

ENFORCE NO SMOKING RULE IN AREAS WHERE PTFE IS HANDLED OR STORED. WASH HANDS AND FACE AFTER HANDLING TO AVOID TRANSFER OF PTFE INTO CIGARETTES AND TOBACCO.

**OTHER PRECAUTIONS**

NONE

This information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof.

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