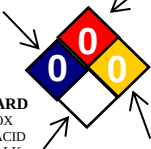




SECTION 1 - IDENTIFICATION

Manufacturer: Black Swan Mfg. Co. 4540 W. Thomas St. Chicago, IL 60651-3318 Tel.: 800-252-5796 Fax: 773-227-3705 Web Site : www.blackswanmfg.com E-mail : info@blackswanmfg.com	For any Transportation or Medical Chemical Emergencies call: INFOTRAC (800) 535-5053 OR (352) 323-3500 24 hours per day - 7 days a week
Product Name: Tuffy String	Recommended Use: Round strands of PTFE for packing valves and stems.

SECTION 2 – HAZARD(S) IDENTIFICATION

Labels	NFPA		GHS Classification	
None	 HEALTH HAZARD 4 – Deadly 3 – Extreme Danger 2 – Hazardous 1 – Slight Hazardous 0 – Normal Material SPECIFIC HAZARD Oxidizer OX Acid ACID Alkali ALK Corrosive COR Use NO WATER Radioactive		Health Acute Toxicity: Not Established Skin Irritation: Not Established Eye Irritation: Not Established Skin Sensitization: NO Environmental Acute Aquatic Toxicity: Not Established Chronic Aquatic Toxicity: Not Established	
Signal Word				
None				
HMIS	HEALTH 0 FLAMMABILITY 0 REACTIVITY 0		Physical	None
			Hazardous Statements	None
			Precautionary Statements	P102 : Keep out of reach of children

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Chemicals	CAS#	EINECS#	REACH Pre-registration Number	Approx %
POLYTETRAFLUOROETHYLENE	9002-84-0	N/A	N/A	100%

*Unlisted ingredients are not classified as hazardous according to OSHA 1910.1200.

SECTION 4 – FIRST-AID MEASURES

Inhalation: None. Skin: Wash skin thoroughly with soap and water. Eyes: Flush with water for 15 minutes. If irritation persists, get medical attention. Ingestion: DO NOT INDUCE VOMITING. Contact physician immediately.
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SECTION 5 – FIRE-FIGHTING MEASURES

Fire Hazard: Hazardous gases/vapors produced in a fire are Hydrogen Fluoride, Carbonyl Fluoride, Perfluoroolefins, Carbon Monoxide and low molecular weight fluorocarbons. Combustion Products: None. Extinguishing Media: Carbon Dioxide Gas, Dry Chemical, Water, and Foam. Unsuitable Extinguishing Media: None known. Protective Equipment: Self-Contained breathing apparatus. Special Fire Fighting Procedures: Protect from hydrogen fluoride fumes, which react with water to form hydrofluoric acid.
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SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions: None.
Protective Equipment: None.
Emergency Procedures: None.
Environmental Precautions: None.
Methods for Cleaning Up: Sweep to avoid slipping or tripping hazard.

SECTION 7 – HANDLING AND STORAGE

Handling

None.

Storage

None.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits

This product is not classified as hazardous according to OSHA 1910.1200.

Engineering Controls: None required.
Ventilation: Local ventilation is adequate.
Personal Protective Equipment – Respiratory: None. **Skin:** None. **Eyes:** None.

SECTION 9 – PHYSICAL & CHEMICAL PROPERTIES

Appearance:	White Solid Cord	Flash Point:	Not Established	Vapor Pressure:	Not Established
Odor:	Odorless	Specific Gravity:	>0.9	Flammability:	Not Established
pH:	Not Established	Solubility (H2O):	Insoluble	Flammability Limits:	LEL – Not Established
Melting Point:	648°F	Evaporation Rate:	Not Established		UEL – Not Established
Freezing Point:	Not Established	Vapor Density:	Not Established		
Boiling Point:	Not Established	VOC:	0 g/l		

SECTION 10 – STABILITY AND REACTIVITY

Stability: Stable.
Hazardous polymerization: Will not occur.
Conditions to avoid: Temperature above 536°F without adequate ventilation.
Incompatible materials: Reacts with Molten Alkali Metals and Interhalogen compounds.
Hazardous decomposition products: Above 536°F, this product may evolve toxic gaseous material such as hydrogen fluoride, carbonyl fluoride and perfluorooletins. Particulate matter evolved from overheating may cause polymer fume fever.

SECTION 11 – TOXICOLOGICAL INFORMATION

Toxicity

This product is not classified as hazardous according to OSHA 1910.1200.

Likely Routes of Exposure: None.
Symptoms and Effect - Inhalation: None. **Skin Contact:** None. **Eye Contact:** None. **Ingestion:** None.
Long-Term Effect: None known.
Pre-Existing Conditions: None known.

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity: None known.
Persistence & Degradability: None known.
Bioaccumulative Potential: None known.
Mobility in soil: None known.

SECTION 13 – DISPOSAL CONSIDERATION

Dispose of product or container in accordance with federal, state or local regulations.

SECTION 14 – TRANSPORTATION INFORMATION

D.O.T. (U.S.): Not Regulated.

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SECTION 15 – REGULATORY INFORMATION

Precautionary Label Information: None.

Risk Phrases: None.

Safety Phrases: S2-Keep out of reach of children.

SECTION 16 – OTHER INFORMATION

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 Mfg. 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 sheets.

DATE: 01/01/2026