



## SECTION 1 - IDENTIFICATION

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

## SECTION 2 – HAZARD(S) IDENTIFICATION

|                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div><div>Labels</div><div>None</div></div>                                                                                                                  | <div><div>NFPA</div><div><div><div>HEALTH HAZARD</div><div>4 – Deadly<br/>3 – Extreme Danger<br/>2 – Hazardous<br/>1 – Slight Hazardous<br/>0 – Normal Material</div></div><div><div><div><div>0</div><div>0</div><div>0</div><div>0</div></div><div><div>OX</div><div>ACID</div><div>ALK</div><div>COR</div><div>W</div><div>☢</div></div></div><div><div>SPECIFIC HAZARD</div><div>Oxidizer<br/>Acid<br/>Alkali<br/>Corrosive<br/>Use NO WATER<br/>Radioactive</div></div><div><div>FIRE HAZARD</div><div>Flash Points<br/>4 – Below 73°F<br/>3 – Below 100°F<br/>2 – Above 100°F, Not exceeding 200°F<br/>1 – Above 200°F<br/>0 – Will not burn</div></div><div><div>REACTIVITY</div><div>4 – May detonate<br/>3 – Shock and heat may detonate<br/>2 – Violent chemical change<br/>1 – Unstable if heated<br/>0 – Stable</div></div></div></div></div> | <div><div>GHS Classification</div><div><div><div>Health</div><div>Acute Toxicity:Not Established<br/>Skin Irritation: Not Established<br/>Eye Irritation: Not Established<br/>Skin Sensitization: NO</div></div><div><div>Environmental</div><div>Acute Aquatic Toxicity: Not Established<br/>Chronic Aquatic Toxicity: Not Established</div></div></div></div> |
| <div><div>Signal Word</div><div>None</div></div>                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <div><div>Physical</div><div>None</div></div>                                                                                                                                                                                                                                                                                                                   |
| <div><div>HMIS</div><div><div>HEALTH</div><div>0</div></div><div><div>FLAMMABILITY</div><div>0</div></div><div><div>REACTIVITY</div><div>0</div></div></div> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <div><div><div>Hazardous Statements</div><div>None</div></div><div><div>Precautionary Statements</div><div>P102 : Keep out of reach of children</div></div></div>                                                                                                                                                                                               |

## SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

| <u>Chemicals</u>        | <u>CAS#</u> | <u>EINECS#</u> | <u>REACH</u><br><u>Pre-registration Number</u> | <u>Approx %</u> |
|-------------------------|-------------|----------------|------------------------------------------------|-----------------|
| 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

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

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
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| <b>Fire Hazard:</b> Hazardous gases/vapors produced in a fire are Hydrogen Fluoride , Carbonyl Fluoride, Perfluoroolefins, Carbon Monoxide and low molecular weight fluorocarbons.<br><b>Combustion Products:</b> None.<br><b>Extinguishing Media:</b> Carbon Dioxide Gas, Dry Chemical, Water, and Foam.<br><b>Unsuitable Extinguishing Media:</b> None known.<br><b>Protective Equipment:</b> Self-Contained breathing apparatus.<br><b>Special Fire Fighting Procedures:</b> Protect from hydrogen fluoride fumes, which react with water to form hydrofluoric acid. |
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## GHS SAFETY DATA SHEET

### 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

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

## GHS SAFETY DATA SHEET

### 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: 01/01/2025**