

# MATERIAL SAFETY DATA SHEET

## SECTION I - PRODUCT IDENTIFICATION

**Product name:** MASTERS ORANGE T-TAPE  
**Product use:** Thread Sealing Tape  
**Chemical family:** Perfluorocarbon Polymer  
**Formula:** PTFE - (C<sub>2</sub>F<sub>4</sub>)<sub>n</sub>  
**Chemical Name:** Polytetrafluoroethylene

**Supplier name and address:**

G.F. THOMPSON CO. LTD.  
620 Steven Court,  
Newmarket, Ontario  
L3Y 6Z2  
Tel.: 905-898-2557

**Manufacturer name and address:**

Refer to supplier

**Emergency Tel. #:**  
(905) 898-2557

**WHMIS CLASS:** N/A

## SECTION II - HAZARDOUS INGREDIENTS

These products consist of Polytetrafluoroethylene. Do not contain any hazardous ingredients. We do not consider the products hazardous under normal conditions of use.

Hazardous Mixtures of Other Liquids, Solids or Gases

The finished polymerized compound is inert under ordinary conditions.

## SECTION III - PHYSICAL DATA

**Physical State:** Tape  
**Odour and appearance:** Soft, odourless, pliable film, pinkish orange in colour.  
**Specific gravity (H<sub>2</sub>O=1):** 1.65  
**Vapour pressure (mm Hg):** N/Ap  
**Boiling Point:** N/Ap  
**Vapour density (Air = 1):** N/Ap  
**Solubility in water:** Insoluble  
**Melting Point:** 327° C  
**VOC:** <0.5%

## SECTION IV - FIRE AND EXPLOSION DATA

**Means of extinction:** Water, foam, carbon dioxide or dry chemical.

**Flash point (Method):** N/Ap

**Upper flammable limit %:** N/Ap

**Lower flammable limit %:** N/Ap

**Special Fire Fighting Procedures:** PTFE tapes will not burn (rated 94 v-0 by UL) without an external source of fuel. In extreme fire situations, protection from hydrogen fluoride fumes should be employed.

**Unusual Fire and Explosion Hazards:** PTFE tapes will burn in an atmosphere of 100% oxygen if ignition source is present.

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**SECTION V - REACTIVITY DATA**  
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**Stability:** Stable. Avoid heating over 500° F without adequate ventilation.  
**Incompatible materials:** Molten alkali metals, fluorine and certain fluorine bearing compounds.  
**Conditions of reactivity:** Temperature above 250° C without adequate ventilation.  
**Hazardous decomposition products:** On burning, Hydrogen Fluoride, Carbonyl Fluoride and Perfluorocarbon Olefins.  
**Hazardous Polymerization:** Will not occur.

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**SECTION VI - TOXICOLOGICAL PROPERTIES**  
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*\*\*\* Routes of exposure and acute/chronic effect \*\*\**

**Threshold Limit Value:** n/ap  
**Effects of Overexposure:** Overexposure to the thermal decomposition products can induce flu-like symptoms (chills, fever, cough and malaise). This is usually a temporary condition. Contact a physician if symptoms persist.

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**SECTION VII - FIRST AID**  
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**Inhalation:** N/Ap  
**Skin:** N/Ap  
**Eyes:** N/Ap  
**Ingestion:** N/Ap  
Remove to fresh air, contact physician if victim is unconscious, exhibits breathing difficulty or if recovery is not prompt.

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**SECTION VIII - PREVENTIVE MEASURES**  
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**Waste disposal:** (1) Landfill. (2) Complete combustion and removal of gaseous products by alkaline scrubbing. Disposal methods must conform to Local, Provincial and State laws.

**\*\*\* PROTECTIVE EQUIPMENT \*\*\***

**Respiratory protection:** No special requirement under normal conditions.  
**Ventilation:** Local Exhaust: No special requirement under normal conditions. Avoid contaminating tobacco with waste particles.  
**Protective gloves:** Not required  
**Eye protection:** Not required under normal use.  
**Other protective equipment:** N/Ap

**\*\*\* STORAGE & HANDLING \*\*\***

**Storage and handling conditions:** Store in a clean, dry place away from highly flammable materials. Normal wash up after handling is recommended prior to any other activities.  
**Other precautions:** When exposed to elevated temperatures (250°C) toxic fumes evolve. Care should be taken to avoid contaminating tobacco and other smoking materials.

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**Additional notes or references:**

Abbreviations:

N/Av: not available

N/Ap: not applicable

IARC: International Agency for Research on Cancer

ACGIH: American Conference of Governmental Industrial Hygienists

TLV: Threshold Limit Values

NIOSH: National Institute of Occupational Safety and Health

TDG: Transportation of Dangerous Goods Regulation.

BuAe: n-butyl acetate

References:

1. ACGIH, Threshold Limit Values and Biological Exposure Indices for 1988/89.
2. International Agency for Research on Cancer Monographs, Supplement 7, 1988.
3. Canadian Center for Occupational Health and Safety. RTECS database.
4. Material Safety Data Sheet from manufacturer.
5. N. Irving Sax. Dangerous Properties of Industrial Materials, Sixth Edition.

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**SECTION IX - PREPARATION INFORMATION**

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**Prepared by:** G. F. THOMPSON CO. LTD.

**Telephone #:** 905-898-2557

**Preparation date:** December 1, 2009

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