



INDUSTRIES 3R

# MATERIAL SAFETY DATA SHEET

## IDENTITY

Part Number: **C-24**  
 Identity: PTFE Thread Seal Tape  
 Description: PTFE Tape C-24

## SUPPLIER

Industries 3R inc.  
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## INGREDIENTS AND HAZARDS

Hazardous Components (Specific Chemical Identity: Common Name(s))

Chemical Name	%	# CAS
Polytetrafluoroethylene	100	9002-84-0

PTFE Tape, as such is not a hazardous material. It is processed solid polymer, temperature range -450°F to +500°F.

## PHYSICAL DATA

Melting Point: 341°C (642°F)  
 Boiling Point (°C): N/A (Not Applicable)  
 Specific Gravity (H<sub>2</sub>O=1) : 2.1 to 2.2  
 Vapor Pressure (mm Hg): N/A  
 Vapor Density (Air=1): N/A  
 Solubility in Water: Insoluble  
 Appearance and Odor: White, Odorless  
 Reactivity in Water: None

## FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): N/A (Not Applicable)  
 Flammable Limits: LEL: N/A UEL: N/A  
 Extinguishing Media: N/A Use media suitability for surrounding fire.

**Special Fire-Fighting Procedures:** Self contained breathing apparatus with full facepiece and protective clothing if involved with other materials.

**Unusual Fire and Explosion Hazards:** : Product will emit toxic fumes at high temperatures.

Above 800°F: Tetrafluoroethylene  
 Above 825°F: Hexafluoroethylene  
 Above 885°F: Perfluoroisbutylene  
 Above 930°F: Carbonyl Fluoride

## **REACTIVITY DATA**

**Stability:** Stable

**Conditions to Avoid:** Heating above 750°F for prolonged periods of time

**Incompatibility (Materials to Avoid):** Molten Alkali Metals: Interhalogen Compounds.

**Hazardous Decomposition Products:** See *section Fire and Explosion Hazard Data*.

**Hazardous Polymerization:** Will not occur.

**Conditions to Avoid:** N/A

## **HEALTH HAZARDS DATA**

**Route(s) of Entry:**

Inhalation: No toxic effect from dust.

Skin: Non-irritating and Non-absorbing.

Eye: Mechanical irritation.

Ingestion: PTFE has shown to be inert when ingested by rats.

**Acute:** Flu like transient sickness.

**Chronic:** Could be fatal.

**Signs and Symptoms of Exposure:** Flu like fever.

**Medical Conditions Generally Aggravated by Exposure:** Respiratory inflammation.

**Emergency and First Aid Procedures:** Move to fresh air, refer to physician.

## **PRECAUTIONS FOR SAFE HANDLING AND USE**

**Steps to be taken in Case Material is Released or Spilled:** Sweep up to prevent slippage on tape.

**Storage:** No special precautions necessary.

**Waste Disposal Method:** Confirming to all application regulations.

**Precautions to be taken in Handling and Storing:** No unusual precautions.

**Other Precautions:** None.

## **CONTROL MEASURES**

**Respiratory Protection (Specify Type):** Not needed

### **Ventilation**

**Local Exhaust:** Not needed

**Special:** N/A

**Mechanical (General):** Not needed

**Other:** N/A

**Protective Gloves:** Not needed

**Eye Protection:** Not needed

**Other Protective Clothing or Equipment:** Not needed

**Work/Hygenic Practices:** No smoking while handling material.