



# MATERIAL SAFETY DATA SHEET

INDUSTRIES 3R

## IDENTITY

Part Number: **3R 811**  
 Identity: Polytetrafluoroethylene (PTFE)  
 Description: Joint sealant  
 Other Generic Names: Joint sealant, gasket tape

## SUPPLIER

Industries 3R inc.  
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## HAZARD(S) IDENTIFICATION

Material is not classified as a "hazardous material" in normal use as defined in 29 CFR 1910.1200.

Material is not known to contain toxic chemicals under section 313 of title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372.

If heated above 750° F, the product can evolve degradation material as follows:

hydrogen fluoride, carbonyl fluoride

PTFE, when thermally decomposed, may cause polymer fume fever with flu-like symptoms, or eye, nose, and throat irritation.

*Signal word, hazard statement, symbol, and precautionary statements:* None

## COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name: Polytetrafluoroethylene (PTFE)

Common name and synonyms: PTFE

CAS number and other unique identifiers: CAS#9002-84-0, 100%

Impurities and stabilizing additives: None

The following products normally come with a pressure sensitive adhesive (PSA) on one side:

SQ-S Gasket Tape, UHF Gasket Tape, UHF Joint Sealant

PSA is not considered as a "hazardous material" in normal use as defined in 29 CFR 1910.1200 and composes \*\*less than 10% of the end product.\*\*

## PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White, marshmallow-like Odor: Odorless

Melting point: 621 - 648° F Boiling point: Not applicable.

Evaporation rate: Not applicable. pH: Not applicable.

Vapor pressure: Not applicable. Vapor density: Not applicable.

Solubility: Not soluble in water Specific gravity: 0.4 – 1.3 (H<sub>2</sub>O = 1)

## FIRST-AID MEASURES

We do not consider the products to be hazardous under normal use.

Inhalation: If overexposed to thermal decomposition, move to fresh air. Seek medical attention if irritation develops.

Skin contact: If irritation develops, wash skin with soap and water.

Eye contact: If irritation develops, flush eye with water for 15 minutes and call physician.

Ingestion: Not applicable.

### **FIRE-FIGHTING MEASURES**

Extinguishing media: Water, foam, dry chemical, CO<sub>2</sub>

Specific hazard arising from the chemical: PTFE does not burn without an external source of fuel. In extreme fire situation, protection from ignition products should be employed. PTFE will burn in 100% oxygen atmosphere when ignition source is present.

Special protective equipment for fire-fighters: Fire-fighters should wear a self-contained breathing apparatus.

### **ACCIDENTAL RELEASE MEASURES**

Personal precautions: See section "First Aid Measures"

Containment and clean up: No special action.

### **HANDLING AND STORAGE**

Precautions for safe handling: Normal wash up after handling is recommended.

Conditions for safe storage: Store in clean, dry area away from highly flammable material.

### **EXPOSURE CONTROLS / PERSONAL PROTECTION**

Respiratory protection: None under normal use.

Ventilation – local exhaust: None under normal use.

Protective gloves: None required.

Eye protection: None required.

### **STABILITY AND REACTIVITY**

Chemical stability: Stable Hazardous polymerization: Will not occur.

Hazardous reactions: Stable under normal conditions.

Conditions to avoid: Extreme heat, direct flame.

Incompatible materials: Fluorine, molten alkali metals, and some fluorochemicals.

Hazardous decomposition products: Hydrogen fluoride and carbonyl fluoride > 750° F

### **TOXICOLOGICAL INFORMATION**

Acute toxicity: No data.

Additional toxicological information: When used and handled according to specifications, the product does not have any harmful effects based on our experience and the information provided to us.

### **ECOLOGICAL INFORMATION**

Toxicity: The substance is a polymer and is not expected to produce toxic effects.

No other data is available.

### **DISPOSAL CONSIDERATIONS**

Comply with local disposal regulations. Landfill is normally recommended.

### **TRANSPORT INFORMATION**

Not regulated.

### **REGULATORY INFORMATION**

Not applicable.

### **OTHER INFORMATION**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.