

RULON® J
MATERIAL SAFETY DATA SHEET

HAZARDOUS INGREDIENTS

Polytetrafluoroethylene (PTFE)

CAS Number

9002-84-0

PEL/TLV

N/A

PHYSICAL & CHEMICAL DATA

Gold solid, powder, or resin. Melting range 620-650°F. Density >2. Not water soluble.

FIRE, REACTIVITY DATA

Flash point not applicable. Limited combustible material; self-ignition temperature 968-1040°F. Use foam, dry chemical, or CO₂.

Fire fighters: Wear positive pressure, self-contained breathing apparatus (SCBA).

Dense, irritating smoke can be generated in a fire situation, leading to polymer fume fever. Smoke from high temperature fire could be toxic.

Stable. No hazardous polymerization.

Thermal decomposition products: CO, CO₂; CN, NO_x, HF and carbonyl fluoride may evolve at 750°F.

HEALTH HAZARD DATA

Primary route of exposure: Inhalation. Dust or particles produced during handling, processing, or fabricating this material in any form could be irritating to the respiratory system and to the skin. Inhalation of fumes from overheating PTFE may cause polymer fume fever, a delayed, temporary flu-like illness with fever, chills, and sometimes cough, of approximately 24 hour duration. Smokers should avoid contamination of tobacco products, and should wash their hands and face before smoking to reduce their opportunity for exposure to PTFE thermal decomposition products. Handling powder, grinding or fabrication of product can lead to dust exposure that is irritating to skin and eyes. Good work practices include washing hands and face to reduce skin irritation. If material gets in eyes, flush with water for 15 minutes and call a physician. Ingestion is not likely to be hazardous. Consult a physician if necessary. Not a listed carcinogen.

PRECAUTIONS, SPILLS

Spills: Sweep and recover; clean floor immediately, as PTFE creates a slippery surface. Keep product dust off floors and off tobacco products.

Waste Disposal: Not a RCRA waste as shipped.

Precautions for Handling and Storing: Wash thoroughly with soap and water after handling. Operations involving powders, grinding or machining should be reviewed for levels of air borne particulates (inhalable, 10 mg/m³; respirable, 3 mg/m³).



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CONTROLS, PROTECTION

Respiratory Protection: Use dust respirator if exposure limits for inert or respirable particulates are exceeded.

Ventilation: Use local exhaust to remove vapors and fumes during any hot processing or to remove dust.

Protective Gloves: Gloves and/or barrier cream to protect skin.

Eye Protection: Safety eyewear with side shields recommended during powder handling or dust generating operations.

DOT non-hazardous

DISCLAIMER

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