



Safety Information for GORE® GFO® Packing

Description: GORE® GFO® packing is comprised of polytetrafluoroethylene (PTFE), silicone oil, and graphite.

Regulatory Information: GORE® GFO® packing is supplied as a finished part (in roll good form) and meet the definition of an article in the United States, per OSHA Regulation 29 CFR 1910.1200(b)(6)(v) during normal intended use, and as described in EC Regulation 1907/2006/EC. For that reason, a Material Safety Data Sheet (MSDS) or Safety Data Sheet (SDS) is not required.

Application: Sealing shafts on high-speed pumps, mixers and agitators.

Risks and Usage Recommendations: This material is non-hazardous in their original form and when applied according to Gore recommendations. Do not heat over 288 °C (550 °F) and avoid burning, grinding and melting of the product. Heating materials containing silicone oil above 150 °C (302 °F) may cause formaldehyde to be generated. If the material is being cut or removed using burning, grinding or elevated temperature processes, or if it is involved in a fire, hazardous decomposition byproducts may form, including: carbon monoxide, carbon dioxide, hydrogen fluoride, carbonyl fluoride, tetrafluoroethylene, perfluoroisobutylene, silicon dioxide, hydrogen, formaldehyde, and traces of incompletely burned carbon products. Inhalation of fumes from overheating or burning of this product may cause polymer fume fever, a flu-like illness with chills and fever.

Control Measures: The risks from exposure can be reduced if standard practices are used. These practices include:

- (1) Not heating product over 288 °C (550 °F).
- (2) Avoiding burning, grinding, high temperature cutting or melting of the product without the use of effective local exhaust ventilation and/or personal protective equipment.
- (3) Protecting material from fire. In the event of a fire wear self-contained breathing apparatus and wear full protective equipment. Hydrogen fluoride fumes emitted during a fire can react with water to form hydrofluoric acid. Wear neoprene gloves when handling refuse from a fire.
- (4) Dispose of according to local, state, national, and international regulations. Incinerate only if incinerator is capable of scrubbing out hydrogen fluoride and other acidic combustion products.

It is the responsibility and the legal obligation of the users of GORE® GFO® packing to ensure that a suitable and sufficient risk assessment is defined and taken prior to using the product. A suitable risk assessment will consider all locally valid regulations and safety measures.