

DuPont™ Kalrez®

Guide for Safety in Handling Kalrez® Perfluoroelastomer Parts

Technical Information — Rev. 4, September 2017

DuPont™ Kalrez® perfluoroelastomer parts or shapes provided for use in assemblies without modification comply with the definition of an article as defined by the Occupational Safety and Health Administration (OSHA) in 29CFR1910.1200. Safety Data Sheets (SDS) are not required for articles as defined in 29CFR1910.1200.

If further processing such as cutting or grinding is done on Kalrez® parts or shapes, an SDS for semi-finished parts and shapes is available from your Account Representative or Kalrez® Application Engineer.

Precautions in the Event of a Fire or Exposure to Excessive Heat

Evacuate personnel to safe areas. Personnel fighting a fire containing perfluoroelastomer parts should wear self-contained breathing apparatus (SCBA) and full protective suit

The Kalrez® perfluoroelastomer parts or shapes can only be burned with difficulty. Burning produces noxious and toxic fumes. Hazardous combustion products may include: hydrogen fluoride, carbonyl fluoride, carbon monoxide, fluoroalkenes, silicon tetrafluoride and low molecular weight fluorocarbon particulates. Inhalation of low concentrations of hydrogen fluoride can initially include symptoms of choking, coughing, and severe eye, nose and throat irritation, possibly followed after a symptom-less period of 1 to 2 days by fever, chills, difficulty in breathing, cyanosis, and pulmonary edema. Acute or chronic overexposure to hydrogen fluoride can injure the liver and kidneys. Individuals with preexisting diseases of the lungs may have increased susceptibility to the toxicity of excessive exposures to hydrogen fluoride. Avoid breathing vapors or toxic fumes.

Hydrogen fluoride fumes emitted during a fire can react with water to form hydrofluoric acid. All residues should be neutralized by treatment with copious amounts of lime or lime-water solution as appropriate to local conditions. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Do not allow run off from firefighting to enter drains or water courses. Neoprene gloves should be worn during cleanup and handling residue after a fire.

General Handling/First Aid Precautions

DuPont™ Kalrez® parts are not likely to be hazardous by skin contact but cleansing the skin after use is advisable.

Kalrez® parts are not likely to be hazardous by inhalation. If exposed to fumes from overheating or combustion, move to fresh air. Consult a physician if symptoms persist.

California Proposition 65

Warning! These products contain a chemical or chemicals known to the State of California to cause cancer, or birth defects or other reproductive harm.

Incompatibility with other Materials

Incompatible or can react with alkali metals, or alkaline earth metals.



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Waste Disposal

Kalrez® perfluoroelastomer parts and shapes generally may be disposed of by landfill or incineration, but any disposal method selected must be in accordance with applicable federal, state/provincial and local regulations. If incineration is employed, the incinerator must be capable of scrubbing out acidic combustion products. Note: Finished parts made from compounds 1058 and 3065 contain lead oxide, and particular requirements may apply (see, e.g., 40 C.F.R. 261.24). A waste generator should perform a waste characterization before disposing, and manage and dispose in accordance with all potentially applicable laws and regulations including the Resource Conservation and Recovery Act.

Medical Use

CAUTION: Do not use DuPont materials in medical applications involving implantation in the human body or contact with internal body fluids or tissues unless the material has been provided from DuPont under a written contract that is consistent with DuPont policy regarding medical applications and expressly acknowledges the contemplated use. For further information, please contact your DuPont representative. You may also request a copy of DuPont POLICY Regarding Medical Applications H-50103-5 and DuPont CAUTION Regarding Medical Applications H-50102-5.

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