Safety Information for product Guardian Basic IER

Product description

Isolating Kit for Flange

Regulatory information

Carrara sealing products are supplied as finished articles. In accordance with the definition of an article under regulation (EC) No. 1907/2006 (REACH, Article 3.3) and under OSHA Hazard Communication Standard 29 CFR 1910.1200(b)(6)(v), these products do not release hazardous substances under normal of reasonably foreseeable conditions of use. Therefore, the provision of a Material Safety Data Sheet (MSDS) or Safety Data Sheet (SDS) is not required.

Application of product

Seal for industrial flanges.

Hazard identification

These materials are not hazardous in their original form and when applied according to Carrara MDS recommendations. They can be made of GRE (Glass Resin Epoxy), phenolic material, FKM or NBR elastomers, PTFE, Mylar® and Nomex®. If the specific transition temperature of each material is exceeded or in the event of fire, the materials decompose and release hazardous substances such as hydrogen fluoride (HF), carbonyl fluoride (COF_2), and perfluoroisobutylene (PFIB), nitrogen oxides (NOx), formaldehyde, and phenolic compounds, along with other toxic or corrosive fluorinated compounds. Additional by-products such as CO, CO_2, and other non-classifiable substances may also form. Inhalation of these fumes must be avoided as it may pose health risks.

Safety requirements and user responsibility

Exposure risks can be minimized by following standard practices, which include:

- The product must be handled and installed exclusively by qualified personnel. Always consult the technical data sheet and this information sheet before use.
- Do not smoke while handling the product and always wear protective gloves, work clothing, and safety glasses.
- Do not burn, grind, cut at high temperature, or melt the product without using an effective local exhaust system when indoors, and without wearing appropriate personal protective equipment.
- In case of fire, wear a self-contained breathing apparatus and full protective equipment. Hydrogen fluoride fumes released during the fire may react with water to form hydrofluoric acid. Wear neoprene gloves when handling combustion residues.
- Dispose of in accordance with applicable local, regional, national, and international regulations. Incineration is allowed only in facilities equipped with systems suitable for removing hydrogen fluoride and other acidic combustion products.

Users of Carrara Sealing Products have the responsibility and legal duty to carry out an adequate and sufficient risk assessment before using the product. Such assessment must take into account all applicable local regulations and relevant safety measures.