# Safety Information for product CONTROLLER ONE Z

## Product description

Die-Formed Graphite Packing for Stem on Valves

## 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 stems on valves

## Hazard identification

These materials are non-hazardous in their original form and when applied according to Carrara MDS recommendations. Above 288 °C or in case of fire event, PTFE can decompose and release hazardous substances such as hydrogen fluoride (HF), carbonyl fluoride ($COF_2$), and perfluoroisobutylene (PFIB), together with other toxic or corrosive fluorinated compounds. Additional, CO, CO2 and non-classifiable by-products may also be formed. Inhalation of fumes from overheating or burning of this product may cause polymer fume fever, a flu-like illness with chills and fever.

## 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.