

## Which gloves can be recommended to handle dry ice?

Dry ice is the solid form of carbon dioxide (CO<sub>2</sub>). It is called "dry ice" because it does not melt like wet ice. Instead, dry ice converts into gaseous carbon dioxide.

Because dry ice is extremely cold (-109°F/-78.5°C), non-toxic, and completely dry, it is commonly used as an expendable refrigerant to ship frozen food or medical products or to cool materials during production. The other major use of dry ice is for dry ice blast cleaning, an effective and environmentally friendly way to clean industrial equipment.

For brief contact with small pieces of dry ice, we recommend our style Scorpio® 09-022. If a longer style is needed, then we recommend Scorpio® 19-024 or 19-026. Second choice for brief contact is a foam-insulated Winter Monkey Grip® such as style 23-191. The 23-191 has a knit wrist, which may be more compatible with the sleeves of insulated suits.

These styles can protect against brief contact with small pieces if the contact pressure of the dry ice with the glove are both kept short. As a result, the gloves will never be chilled all the way down to the temperature of dry ice, and they will tend to retain their flexibility, Scorpio® more so than Winter Monkey Grip®.

These gloves cannot protect against the extreme cold when handling heavy blocks of dry ice or other heavy objects that are at dry-ice temperature, unless tongs or other similar tools are used to separate the gloves from the cold objects. Cryogenic gloves are needed for that job. Ansell does not make any cryogenic gloves.

*Recommendations made in this note are based on extrapolations from laboratory test results and information regarding the composition of chemicals and may not adequately represent specific conditions of end use. Synergistic effects of mixing chemicals have not been accounted for. For these reasons, and because Ansell has no detailed knowledge of or control over the conditions of end use, any recommendation must be advisory only and Ansell fully disclaims any liability including warranties related to any statement contained herein.*