



## CO<sub>2</sub> in a HSE perspective CO<sub>2</sub> is not acutely toxic at low concentrations. Bodily reactions (difficulties breathing, increased pulse, headache, etc.) appear when the concentration exceeds 2-3 %. Concentrations above 10 % can be lethal. Similar to the traditional high GWP\*-HFCs, CO<sub>2</sub> has the ASHRAE safety classification A1 (non-flammable, non-toxic). High operational pressure (up to 130 bar). Dry ice formation can appear at pressures < 5.2 bar (triple point pressure), which can block valves and pipes. Important with sufficient routines regarding refilling and service of CO<sub>2</sub> systems. Dry ice at atmospheric pressure is very cold (~ -78 °C) and can cause: Brittle fractures in equipment Frostbite injury \*GWP = global warming potential

































































