Standards for laboratory gloves

Below is an overview of the most common standards for gloves in laboratory situations:

- NEN-EN-ISO 21420: Protective gloves – General requirements and test methods.
- NEN-EN 374-1:2016/A1:2018: Protective gloves against chemicals and micro-organisms – Part 1: Terminology and performance requirements.
- NEN-EN 374-2:2019: Protective gloves against chemicals and micro-organisms – Part 2: Determination of resistance to penetration.
- NEN-EN 374-5:2016: Protective gloves against chemicals and micro-organisms – Part 5: Terminology and performance requirements for biological risk.
- NEN-EN 16523-1:2015+A1:2018: Determination of the material resistance of permeation by chemicals - Part 1: Permeation by chemical liquid under conditions of continuous contact.
- NEN-EN 455-1:2020 Medical gloves for single use – Part 1: Requirements and testing for freedom from holes.
- NEN-EN 455-2:2015: Medical gloves for single use – Part 2: Requirements and testing for physical properties.
- NEN-EN 455-3:2015: Medical gloves for single use – Part 3: Requirements and testing for biological evaluation.
- NEN-EN 455-4:2009: Medical gloves for single use – Part 4: Requirements and testing for shelf life determination when stored.

Glove selection should be based on the nature of the substance, the duration of exposure and the activity, as a result of the risk assessment in the (hazard) substances RI&E. This provides the necessary protection.
The following scheme can be used for this: Glove scheme