

## Shelf Life and First in First out (FIFO)

Sugar products including granulated, brown, and powdered are considered shelf-stable and may be stored under ambient conditions. The shelf life or best, if used by recommendations for each product, are outlined on the product datasheet. These products, if stored under the constant conditions outlined below, are considered non-perishable and will not deteriorate chemically or microbiologically. Deviations from storage conditions may result in product clumping, but the product is still safe to consume. These recommendations are only in place to guarantee the best possible quality.

Recommended storage includes ambient storage with a recommended relative humidity of less than 70%. Avoid exposure to rapid fluctuations of temperature or humidity and avoid storing near odiferous products.

Liquid sugar products including liquid sucrose and medium invert may be considered perishable. Even with good sanitation practices, liquid sugars should not be held for more than the defined dates on the product data sheets. Liquid sugar storage tanks should be sanitized regularly and continuously swept with sterile air to prevent condensation and surface dilution.

Facilities take measures to ship FIFO or near FIFO to the best of their abilities for packaged products. Due to a complex distribution network with multiple ship points and secondary warehousing, there may be some deviation in a customer receiving FIFO in a strict manner. NSM cannot guarantee FIFO when employing multiple shipping warehouses and each warehouse generally ships product to FIFO within a few manufacturing days. Given the extended shelf life or best if used by dates on packaged products, this is typically acceptable practice and minimizes the potential for supply disruption.

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