



Sodium Nitrite – Shelf Life

Chemtrade suggests that under proper storage conditions, the shelf life for dry sodium nitrite is at least 3 years. While sodium nitrite may cake, clump and harden within 6 months of the manufacture date, the chemical assay will remain within manufacturing specifications for at least 3 years. The table below summarizes the shelf life across Chemtrade’s dry sodium nitrite product line.

Dry Sodium Nitrite Shelf Life Guidance	
Product Name	Minimum Shelf Life
Sodium Nitrite, Free-Flowing Food Grade	3 years*
Sodium Nitrite, Free-Flowing Technical Grade	3 years*
Sodium Nitrite, High Purity Flake	3 years*
Sodium Nitrite, High Purity Granular	3 years*
Sodium Nitrite, High Purity Special Granular	3 years*

*Shelf life does not guarantee material will maintain free-flowing nature. Material may start caking and/or hardening within 6 months of manufacturing date.

Chemtrade determines the date of manufacture according to the Julian/Gregorian calendar in which each day of the year has a three-digit number. Beginning with January 1st, each day of the year is numbered 001 through 365, with January 1st numbered 001 and December 31st numbered 365 (except during “leap” years).

The sodium nitrite lot number, written on the packaging, has four main components.

- 1) The production location is designated with the letters “SY” for Syracuse, NY.
- 2) A single digit follows “SY” to designate the year of manufacture. The digit represents the last digit in the year of manufacture.
- 3) The three-digit date of manufacture according to the Julian calendar, as explained above, follows the single digit year of manufacture.
- 4) A time stamp follows the lot code in the format of HH:MM

Example:

Sodium Nitrite Lot # SY4031

SY = Syracuse – Production Location

4 = 2024 – Year of Manufacture

031 = January 31st – Date of Manufacture

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