



TECHNICAL DATA SHEET

Sodium Hypochlorite 12 % TRADE

Product description

Liquid bleach

12 % Trade sodium hypochlorite when loaded



NSF :

- ✓ NSF/ANSI certified
- ✓ Standard 60 - Drinking Water Treatment Chemical
- ✓ Maximum dosing : 97 mg/L

Pest control product :

- ✓ PCP 12419

Product name : LAVO 12 Sodium hypochlorite

Commercial grade

Use : for industrial; institutional; swimming pool use; food plant use; for use in industrial recirculating cooling water systems; for municipal water treatment of sewage and industrial effluent and for sanitation; Pasteurizers for brewery disinfection; Disinfectant and food contact sanitizer.

- ✓ PCP 26684

Product name : LAVO 12% TRADE

Technical grade

Use : for manufacturing, formulating or repackaging.

- ✓ PCP 27459

Product name : PL12% TRADE

Technical grade

Use : for manufacturing, formulating or repackaging. Air sanitizer, hard-surface disinfectant, laundry additive and swimming pool algacide bactericide.

Technical specifications

Format

Tanker or drums

Appearance

Clear liquid

Color

Greenish-yellow

Odor

Chlorine

% Trade, Sodium hypochlorite

12.6 % w/v min. when loaded

10.8 % w/w min. when loaded

% Available chlorine

12 % w/v min. when loaded

10.3 % w/w min. when loaded

Free alkali content

0.20 – 1.20 % w/v (NaOH)

Density

1.16 – 1.18

*W/V = weight/volume

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Warning

Corrosive.

Safety measure

Read the Material Safety Data Sheet.



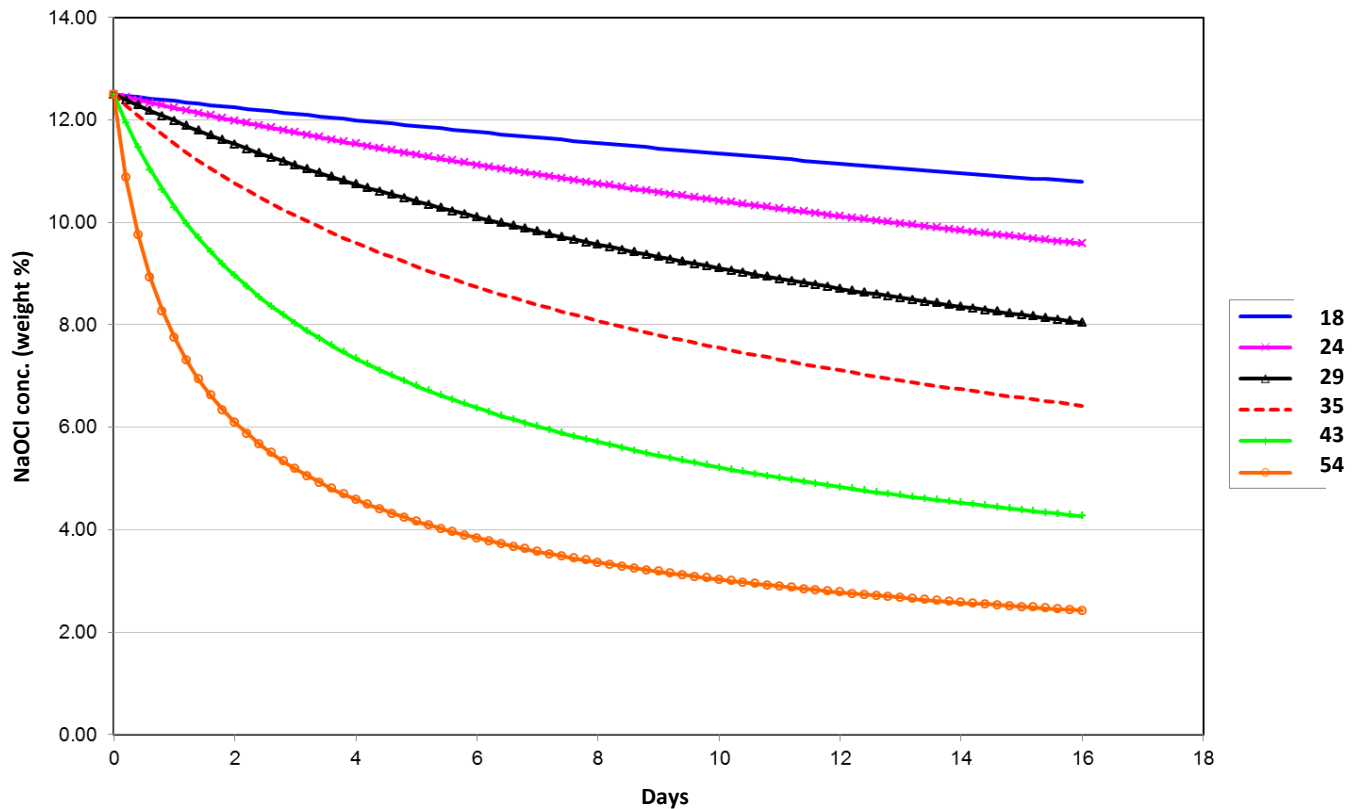
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Storage conditions

The temperature at which sodium hypochlorite solutions are manufactured, shipped, stored, and handled greatly influences their stability, because bleach decomposition accelerates as temperature increases. For example, a generally used "rule-of-thumb" would predict a doubling of the decomposition rate for every 18°F (10°C) rise in temperature. However, studies of sodium hypochlorite solutions have shown that the decomposition rate increases by a factor in the range of 3 to 4 times, for every 18°F (10°C) for solutions in the range of 5% to 16% by weight of sodium hypochlorite, which is not unusual.

Graph shows the degradation of 12.5% bleach at different temperature (°C)



Source: Olin

Storage of sodium hypochlorite at low temperatures such as 59°F (15°C) will greatly reduce decomposition of sodium hypochlorite for any practical application in strength ranging from 10% – 16% by weight sodium hypochlorite. By decreasing temperatures to 41°F (5°C) and no heavy metal contamination, the decomposition of the sodium hypochlorite will be virtually eliminated.

Source: The Chlorine Institute, Pamphlet 96, Sodium Hypochlorite Manual, Edition 4, October 2011, 87 p.