

SP 3-N-1

CONCRETE CLEANER, DEGREASER AND ETCHER

QUICK FACTS

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| PRODUCT NAME | SP 3-N-1 |
| PACKAGING | 1 Gal (3.8 L) Jug 5 Gal (18.9 L) Pail |
| MIX RATIO | Varies by application: 1:1 to 4:1 (4-parts water to 1-part cleaner) |
| COVERAGE | Varies upon substrate: 150 ft ² per gal average (14 m ² per 3.8 L) |
| APPEARANCE | Green Liquid |
| ODOR | Mint |
| APPLICATION TEMPERATURE | 32°F – 90°F (0°C – 32°C) |
| SHELF LIFE | 12 months in unopened container under normal conditions when kept dry and moisture free, and out of direct sunlight. |
| MANUFACTURER PART # | SKU # |

DESCRIPTION

SP 3-N-1 is a concentrated combination of three commercial-grade cleaning products. SP 3-N-1 utilizes a detergent, degreaser, and hydrochloric acid to clean and prepare concrete for overlays, stains, sealers, and coatings. The SP 3-N-1 formula quickly dissolves mortar, scale, rust, algae, stains, and mineral deposits such as efflorescence. SP 3-N-1 is a stronger cleaner than citric acid and a safe alternative to muriatic acid, as it contains no toxic heavy metals, or ozone-depleting solvents.

SP 3-N-1 will open the pores of the concrete and cement-based overlays aiding concrete coloring systems like reactive acids, water-based stains, and dyes. In addition, it assists in delivering a higher bond strength to exterior concrete acrylic sealers. Its multi-function, environmentally-friendly properties include cleaning and preparing.

MIXING & APPLICATION

Apply in temperatures above freezing and below 90°F (32°C). SP 3-N-1 is a concentrated solution and must be diluted with water. Water and SP 3-N-1 should be premeasured before combining. DO NOT use a hose to fill water into SP 3-N-1 as it will create constant bubbling.

Always tighten lid thoroughly after use.
The formula for proper dilution should be
Water: SP 3-N-1

Example: 2:1 equals 2-parts water to 1-part SP 3-N-1



Below, you will find the suggested dilution rates for the following applications:

- General Concrete Cleaning
- Exterior Concrete for Overlay
- Interior Concrete for Staining and Overlay

- Cleaning Overlay for Staining and Sealing
- Cleaning Casting Pieces
- Cleaning Stamping Tools and Molds

GENERAL CONCRETE CLEANING

1. Dilute SP 3-N-1 2:1 with water
2. Dampen concrete with water from mist of pump-up sprayer or a garden hose trigger nozzle.
3. Apply evenly the 2:1 diluted product across surface of concrete. Best results are achieved by spraying from an acid-resistant pump-up sprayer.
4. While still wet with product, rub concrete with a stiff bristle-broom.
5. Before SP 3-N-1 dries, rinse with a garden hose or power wash with a fan-tipped pressure washer.

SURFACE PREPARATION ON EXTERIOR CONCRETE

1. Dilute SP 3-N-1 2:1 with water
2. Dampen concrete with water from mist of pump-up sprayer or a garden hose trigger nozzle.
3. Apply evenly 2:1* diluted product across surface of concrete. Best results are achieved by spraying from an acid-resistant pump-up sprayer.
4. While still wet with product, rub concrete with a stiff bristle-broom
5. Before SP 3-N-1 dries, power wash with minimum 3,000 PSI (21,000 kPa) pressure washer equipped with a turbo-tip.

SURFACE PREPARATION ON INTERIOR CONCRETE

1. Dilute SP 3-N-1 2:1 with water
2. Dampen concrete with water from mist of pump-up sprayer or a garden hose trigger nozzle.
3. Apply evenly 2:1* diluted product across surface of concrete. Best results are achieved by spraying from an acid-resistant pump-up sprayer.

4. While still wet with product, rub concrete with black pad on a rotational floor machine
5. Keep floor wet with frequent rinsing.
6. Mop residue until rinse water is clear or utilize water extraction equipment.

CLEANING OVERLAY PRIOR TO COLORING OR SEALING

1. Dilute SP 3-N-1 4:1 with water
2. Dampen concrete with water from mist of pump-up sprayer or a garden hose trigger nozzle.
3. Apply evenly 4:1 diluted product across surface of overlay. Best results are achieved by spraying from an acid-resistant pump-up sprayer.
4. While still wet with product, gently brush surface with a soft bristle-broom
5. Before SP 3-N-1 dries, gently rinse with a garden hose or power wash with a fan-tipped pressure washer.

PREPPING CASTING PIECES

1. Dilute SP 3-N-1 3:1 with water
2. Wet piece with water from pump-up sprayer or sponge.
3. Brush or sponge 3:1 diluted product onto vertical edges of pieces first.
4. Spray or sponge 3:1 diluted product from acid-resistant pump-up sprayer onto surface.
5. While still wet with product, gently brush surface with a soft bristle brush.
6. Rinse immediately. Do not allow diluted product to stand on the surface.

CLEANING STAMPING TOOLS AND MOLDS

1. Dilute SP 3-N-1™ 4:1 with water (4 parts water to 1 part SP 3-N-1)
2. Dampen stamping tools or molds with water from mist of pump-up sprayer or sponge.

3. Spray 4:1 diluted product from acid-resistant pump-up sprayer onto tools or molds.
4. While still wet with SP 3-N-1, gently brush surface with a stiff bristle brush.

5. Before SP 3-N-1 dries, completely rinse surface.

**NOTE: stronger dilution rates may be required for adequate profile. Power-troweled concrete may require SP 3-N-1 to be used straight. In some cases, proper surface preparation will require mechanical surface preparation.*

CLEAN-UP

Simply rinse with water.

DISPOSAL

Contact your local government household hazardous waste coordinator for information on disposal of unused product.

LIMITATIONS

- For use by trained professionals who have read the complete SDS.
- SP 3-N-1 may be corrosive to some metals. ALL metals should be protected.
- SP 3-N-1 is not the best choice for surface preparation for coating systems. These systems require a CSP (Concrete Surface Profile) 1-3.
- Hard-troweled concrete surfaces may not achieve the appropriate CSP 1-3 profile by just using SP 3-N-1 alone. In these cases, shot-blasting or grinding is recommended.

WARNING

KEEP OUT OF REACH OF CHILDREN. Inhalation:

Avoid prolonged breathing of airborne dust, particularly present during mixing. Use a NIOSH approved respirator for nuisance if threshold limit values are unsafe. Skin Contact: Skin contact may cause irritation. Remove contaminated clothing and wash affected skin with soap and water. Launder clothing before reuse. If symptoms persist, seek medical attention. Eyes: Wear safety eye

protection when applying. Contact with eyes may cause irritation. Flush eyes with water for 15 minutes. If symptoms persist, seek medical attention.

WARRANTY

Warranty of this product, when used according to the directions, is limited to refund of purchase price or replacement of product (if defective), at manufacturers’ or seller’s option. Concrete Genetics shall not be liable for the cost of labor or direct and/or incidental consequential damages.