



TECHNICAL BULLETIN

ADDITIVES G-STRIP 255-8

INDUSTRIAL TANK WASH DETERGENT & PAINT STRIPPER

0% VOC, No HAP – for STEEL, STAINLESS STEEL & FERROUS METALS

1) PRODUCT DESCRIPTION

ADDITIVES G-STRIP 255-8 is a low cost, extremely effective, and biodegradable additive that will greatly enhance the paint stripping performance of a caustic solution. With a concentration of 5 to 10% (v/v) in a heated alkaline detergent, it will strip any coating in a matter of a few minutes. It completely eliminates manual scraping.

It is compatible with **ferrous metals only**: cast iron, steel and stainless steel.

Because of Greensolv's personalized technical support, **the stripping detergent will maintain its original efficiency for a period of 12 to 24 months without being dumped.**

The stripping time is usually between 5 and 30 minutes for most coatings when the stripping detergent is heated at a temperature between 60 and 80°C (140 – 176°F). This product will easily fulfill your stripping needs at low operating costs.

Typical applications:

- Tank wash (bulk transport of latex resins; paint manufacturers)
- Industrial stripping tank for ferrous metal parts

Typical coatings:

- Latex paints & resins
- Powder coatings (polyester & polyurethane) & E-Coat;
- Adhesives of all kinds;
- Catalyzed paints (epoxies, polyurethanes, polyesters, etc.);
- Non-catalyzed paints (acrylic, enamels, urethanes, alkyds);

STRIPPING DETERGENT (recommended concentrations – v/v) :

10 – 20%	Liquid Caustic SODA (NaOH 50%) or POTASH (KOH 45%) <i>Use 5 to 10% if using a POWDER instead of liquid caustic</i>
5 – 10%	Additives G-Strip 255-8
70 – 85%	Water

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ADDITIVES G-STRIP 255-8 – Industrial Tank Wash Detergent & Paint Stripper
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2) BENEFITS

ADDITIVES G-STRIP 255-8 is biodegradable and safe for the users. It will allow you to strip the toughest coating systems within a very short period of time.

Its main benefits are:

- Extremely effective;
- Low operating cost;
- Biodegradable, No HAP (*Hazardous Air Pollutant, U.S. EPA*);
- 0% VOC (Volatile Organic Compound)
- Low evaporation rate;
- The product can be cleaned and reused for up to 2 years;

3) PHYSICAL PROPERTIES

Physical appearance.....	transparent liquid
Odor.....	Ether
Biodegradability	Good
Flash point (close cup).....	>93.3°C (200°F)
VOC Content	0 g/L
Specific Gravity (Water = 1)	0.95 – 1.05
Solubility in water.....	Good

4) DIRECTIONS FOR USE

Note: The Stripping Detergent will often separate in 2 phases (heterogeneous) when heated, it is normal and does not affect operating efficiency.

Tank Cleaning:

- Heat the solution to a temperature of 60 – 80°C (140 – 176°F) in the holding reservoir; the higher the temperature, the shorter the stripping time
- Use a pumping system and a rotating tank cleaning nozzle to spray the interior of a tank to be washed
- Reuse the stripping detergent by recirculation, using a holding tank, a filtering device (or strainer), a pump and hoses

Immersion stripping:

- Heat the stripping detergent to a temperature of 60 – 80°C (140 – 176°F); the higher the temperature, the shorter the stripping time
- Completely immerse the parts to be stripped in the stripping detergent
- Mild to moderate agitation of the solution during the stripping process will allow a faster reaction;
- Wait until the parts are stripped completely before taking them out of the solution;

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Rinsing :

- Clean and rinse the tank or the parts with fresh water if needed;

Efficiency:

- Three (3) variables will greatly influence stripping efficiency:
 - 1- CONCENTRATION of the 2 additives (NaOH/ KOH & ADDITIVES G-STRIP 255-8).
Add both additives as needed. Monitor Alkalinity and Refractometry of your solution as indicated by your Greensolv representative to maintain maximum efficiency.
 - 2- TEMPERATURE. increasing the temperature by 10°C (18°F) will also reduce the stripping time by 20 to 50%. Do not exceed 80 - 85°C (176 - 185°F).
 - 3- AGITATION. Good agitation can reduce the stripping time by 30 to 50%. We recommend using spray nozzles for tank washing and a propeller for immersion tanks.

Keeping a clean stripping solution:

- **The Stripping Detergent** will dissolve the paint into small particles that will settle in the bottom of the holding reservoir or immersion tank. On a regular basis (every 4 to 12 months), let the paint particles settle by turning off agitation and heat for a period of 48 hours. Once the paint particles are settled, pump the paint stripper from the top of the tank until you reach the paint sludge. Remove the sludge at the bottom of the tank with a shovel. Refill the tank with the stripping solution and start it up.

Compatible materials (when building a stripping tank):

- Holding Reservoir/ Immersion tank: Steel and stainless steel;
- Pump: Steel, Stainless steel and Teflon;
- Hoses & pipes: Steel, Stainless steel, rubber and most plastics;

5) PERSONAL PROTECTION

Engineering Controls :

Provide good exhaust ventilation to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are in proximity of workstation location.

Safety equipment:

- Wear appropriate respirator device with VOC (Volatile Organic Compound) cartridges when ventilation is inadequate;
- Splash goggles, safety glasses or face shield;
- Rubber apron and/or long sleeves;
- Chemical resistant gloves;
- Boots;

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6) STORAGE

Store **ADDITIVES G-STRIP 255-8** at a controlled temperature between 0°C and 30°C. (32° F to 86° F). Store in a closed and dry container when not in use. The shelf life of the product has been determined to be three (3) years.

7) PACKAGING

ADDITIVES G-STRIP 255-8 is available in :

- Pails (18.9 L – 5 U.S. Gal.).
- Drums (205 L – 55 U.S. Gal.).

Version : 1
Last Update : August 2013