



Strip Metal Fast & Clean!

TECHNICAL BULLETIN

STEELSTRIP 255

INDUSTRIAL ALKALINE PAINT STRIPPER FOR IMMERSION (LIQUID)

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

1) PRODUCT DESCRIPTION

Make your own stripper with **STEELSTRIP 255**. It is a low cost, extremely effective, and biodegradable immersion paint remover. With a concentration of 15% additives (v/v) in a heated alkaline detergent, it will strip any coating in a matter of 60 to 90 minutes. It completely eliminates manual scraping.

It is compatible with **ferrous metals** (cast iron, steel and stainless steel) **and copper**.

Because of **Greensolv's Efficiency Program (GEP)**, the stripping solution will maintain **90% its original efficiency** for years without ever dumping the tank.

The stripping times are usually between 60 and 90 minutes for most coatings when the stripping solution is heated at a temperature between 140 – 180°F (60 and 80°C). This product will easily fulfill your stripping needs at low operating costs.

Typical applications:

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

Typical coatings:

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



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STRIPPING SOLUTION (recommended concentrations per volume – 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>
10 – 20%	G-STRIP 255-8ADD
60 – 80%	Water

2) BENEFITS

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

- **Extremely effective** – STRIPPING TIMES at 180°F:
 - E-Coat: 30 to 60 minutes
 - Powder Coatings : 30 to 90 minutes*Note : stripping times may vary*

- **Low operating cost** – STRIPPING COSTS:
 - \$0.05 to 0.10 / ft²*Note : stripping costs may vary*

- Biodegradable, 0% VOC, No HAP (*Hazardous Air Pollutant, U.S. EPA*);
- Compatible with ferrous metals and copper;
- The product can be cleaned and reused;

3) PHYSICAL PROPERTIES

Physical appearance.....	heterogeneous liquid (2 phases)
Biodegradability	Good
Flash point (close cup).....	>93.3°C (200°F)
VOC Content	0 g/L
Specific Gravity (Water = 1)	1.11 – 1.14
pH (1% in water)	≥ 12
Solubility in water	Good



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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.

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;

Rinsing :

- Clean and rinse the parts with fresh water;

Applying a new coating :

- Make sure the parts are dry and free of contaminants before applying a new coating.

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 :

It is required to use a good exhaust ventilation to minimize the fumes in the room. 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 (Natural Rubber is recommended);
- Boots;

Version : 2
Last Update : JULY 2016