

# SAFE STRIP

## PAINT STRIPPER

### DESCRIPTION:

Safe Strip is a 2-part (Safe Strip Base and Safe Strip Additive) low-VOC paint stripper designed for the removal of paint and paint accumulation on parts, tools and carriers.

### SAFETY & HANDLING:

Improper handling of this product can be injurious to workers. Observe all safety precautions shown on the label and in the Material Safety Data Sheet. Wear proper protective equipment listed on the MSDS.

### PACKAGING:

Both Part A and Part B are available in 55- gallon drums and totes.

### ADVANTAGES

- Products are safe for cleaning of all metal tools, jigs, and carriers.
- 2k nature of product makes Safe Strip safer than handling other 1k strippers.
- Strength and long duration of product life make Safe Strip a very economical option for dip stripping operations.

### Typical Product Characteristics

| Product               | Add   | Base  |
|-----------------------|-------|-------|
| Appearance .....      | Clear | Clear |
| Density at 25°C ..... | 1.1   | 1.22  |
| Weight/US gallon...   | 9.2   | 10.2  |
| pH of product .....   | 8.6   | 12.5  |

### USAGE DIRECTIONS

#### 1) INITIAL TANK CHARGE:

Determine tank volume.

Fill tank 65% with water

Add 25% Part A and stir briefly

Add 10% Part B, stir into solution

#### Typical Tank Initial Charge:

1,000 gallon tank

650 gallons water

250 gallons Safe Strip Base

100 gallons Safe Strip Additive

#### 2) PARTS STRIPPING:

Raise tank temperature to a minimum of 120° F and introduce parts to be stripped. Maximum tank temp should not exceed 160° F with an optimum temp of 140° F. The type of paint and number of layers will determine the time necessary to complete strip-off paint build up. For grossly coated parts it may be necessary to repeat soak procedures several times to reach base metal.

### **3) TYPICAL RESULTS:**

For testing, various parts have been coated with 1k and 2k paints and then oven cured five, ten or more times. Negligible differences were noted between the 1k and 2k parts. At 140° F, five coats were stripped in a maximum of 30 minutes, nominally 20 minutes. Parts with 10 coats averaged 25-35% longer strip time. Safe Strip has also proven effective on various epoxy systems.

### **4) TANK MAINTENANCE:**

Evaporation, flash-off and decomposition of the active ingredients will affect the concentration of the tank solution and therefore the performance and strip times of your immersion tank. To properly balance your immersion tank, run the following tests at periodic intervals:

#### **Safe Strip Base Concentration Test**

1. Add 25 mL of tap water to a test bottle.
2. Add 1 mL of bath solution to test bottle.
3. Mix (swirl)
4. Add 2 drops of phenolphthalein and mix.
5. Add (1 drop at a time) 1.0 Normal Acid to first disappearance of Pink Color.
6. Count the number of drops

A properly balanced tank should take between 13 and 16 drops of 1.0 Normal Acid. As time passes and multiple strippings occur, concentrations are affected and the tank will lose potency and need to be replenished with the addition of the Safe Strip Base solution.

To raise solution strength back within expectable concentration levels, first it is necessary to determine tank volume. For every 100 gallons, adding 2.5 gallons of Safe Strip Base should increase solution strength by 1-2 drops. After tank has been recharged, fill the tank with water back to its original volume.

#### **Safe Strip Additive Concentrations**

Safe Strip Additive is slightly volatile and will flash-off with air and temperature extremes. The required addition of Safe Strip Additive is determined by a noticeable increase in the time necessary to strip parts. After establishing initial immersion tank concentrations, note and document times of Safe Strip performance. After preliminary strip times are established, add Safe Strip Additive to the system when those times have increased or are outside of specifications. To recharge the system, add 1 gallon for every 100 gallons in the immersion tank.