



[www.tysol.com](http://www.tysol.com)

## TY-SPRAY Bio-Spray 3030

**Chemistry designed for spray cabinets and automatic wash systems. Formulated to attack dirt, oil and heavy grease.**

**Fully Biodegradable.**

**Bio-Spray 3030** is our premium liquid alkaline, foam controlled detergent for use in spray cabinets and automatic wash systems for cleaning various locomotive components.

- Safe on multiple metal surfaces including aluminum, titanium, magnesium and alloys per ASTM F-483.
- 100% biodegradable ingredients.
- Attacks and destroys carbon, heavy grease, lube oil and soils.
- Built in rust inhibitors to prevent flash rusting.
- Solvent, butyl cellosolve and phosphate free.
- Controls foam build up at warm operating temperatures above 135° F.
- Meets aircraft test standards, including Boeing, Lockheed, Pratt & Whitney and general aviation specifications, for parts wash cleaners.

### USE INSTRUCTIONS:

**Bio-Spray 3030** can be used at 3 ounces per 1 gallon of hot water. Close the cabinet door completely and activate sprayers for about 3 minutes to disperse the cleaner. Concentration can be monitored by the use of an alkalinity titration kit. The temperature range recommended for cleaning is 135° - 190° F, typically for 5 to 30 minutes. If a rinse is employed, an additional rust inhibitor, such as our Rust Stop, may be needed in the rinse water to control flash rusting.

### TECHNICAL DATA:

pH (use dilution).....Approximately 12  
pH (concentrate).....12.5 to 13  
Color.....Amber  
Rinseability.....Excellent  
VOC.....None  
Flash point.....>200 F