



treo[®] SW-89

Multimetal Spray Wash Cleaner

- Low-foaming at as low as 90°F (32°C), requiring low energy consumption
- Free-rinsing
- Mild alkalinity
- Readily biodegradable
- Silicate- and phosphate-free
- No HAPs or ODCs

EPA Partnership Information

DuBois Chemicals proudly established a partnership with the U.S. EPA to formulate for the Design for the Environment (DfE) program. treo SW-89 has been formulated to ensure a safer workplace and includes no components that pose serious hazards.



Recognized for Safer Chemistry. www.epa.gov/dfc

EPA/DfE recognition does not constitute endorsement of this product. The Design for the Environment logo signifies that the formula for this product, as DuBois Chemicals has represented it to the EPA, contains ingredients with more positive health and environmental characteristics than conventional cleaners. EPA/DfE relies solely on DuBois Chemicals, its integrity and good faith, for information on the composition, ingredients, and attributes of this product. EPA/DfE has not independently identified, i.e., via chemical analysis, the ingredients in the product formula, nor evaluated any of DuBois Chemicals' non-ingredient claims. EPA/DfE expresses its judgment and professional opinion only as to the environmental and human health characteristics of the product based on currently available information and scientific understanding.



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Technical Data

Appearance	Colorless liquid
Odor	Mild
Specific gravity	1.08
Density	8.97 lb/gal
pH	11.1
pH (1% sol'n with tap water)	10.1
Elemental phosphorus	0%

Description

treo SW-89 is a mildly alkaline spray wash cleaner for ferrous and nonferrous metals. It removes light to moderate oily soils such as: cutting fluids, pressworking fluids, rust inhibitors, and shop soils.

Use Instructions

For spray wash applications, **treo SW-89** is most effective at a concentration of 2 – 5% by volume. **treo SW-89** is typically used in the temperature range of 90°F to 130°F (32°C to 54°C). When processing multiple metals, it is recommended to keep the temperature at 120°F or less and a contact time of 1 minute or less to prevent aluminum etching.

For maximizing part cleanliness, **treo SW-89** should be followed by a clean water rinse. In every case, dry quickly to avoid flash rusting. If the parts are not going to be immediately painted, consult your DuBois Representative for the appropriate rust preventative to meet your corrosion protection requirements.

To maximize bath life, mechanically emulsified, free-floating oil should be skimmed or otherwise removed from the bath during any shut down period.

Dispensing

treo SW-89 can be easily dispensed and controlled. Consult your local DuBois Sales Representative for more information.

Test Method

DROPPER METHOD (Kit #3504212)

1. Measure 50 mL of solution
2. Add 4 to 5 drops Bromphenol Blue indicator to solution and mix.

3. Titrate by adding 2N Sulfuric Acid dropwise, mixing after each addition. Count the number of drops required to change the color from blue to yellow.
4. % By Volume = # of drops x 0.194

Product Compatibility

treo SW-89 is safe to use with ferrous metals such as iron and steel and with nonferrous metals like aluminum, zinc, and galvanized.

The following materials of construction have been tested and determined to be safe for use with EXP 965-137B: Acetal Copolymer, Aflas, BUNA-N, CPVC, EPDM, Polyethylene LDPE, Polypropylene, Polyurethane, Polyethylene, PVC, Teflon (PTFE), Kynar (PVDF), and Viton.

The following materials of construction have been tested and determined to NOT be safe for use with **treo SW-89**: PVC-flexible tubing and hypalon.

Safe Handling and Storage Instructions

If frozen, thaw and mix to make usable.

Precautions

KEEP OUT OF REACH OF CHILDREN.

Please refer to the label and Material Safety Data Sheet (MSDS) for all warnings, recommendation for safety equipment, and other regulatory information.

Disposal

Please refer to the MSDS for instructions regarding proper disposal of this product.

DuBois offers a complete line of wastewater treatment products. To complement our wastewater treatment products, we provide compliance consultation and testing services. Contact your DuBois sales representative for more information.