



## TECHNICAL DATA SHEET

**TRANSBRITE 3000** is a Highly Concentrated, **FERROUS METAL ONLY**, Alkaline Liquid Detergent engineered to produce superior cleaning results for the removal of the toughest contaminants on all ferrous metal surfaces including cast iron, iron & steel. TRANSBRITE 3000 is also a powerful paint & rust stripper that provides a one-step cleaning process eliminating acid pickling, neutralizing, and rinsing steps associated with process parts cleaning. TRANSBRITE 3000 performs in all SOLVENT-FREE, aqueous industrial parts washers from heated high-pressure spray cabinet & conveyORIZED systems to free standing manual and immersion type tanks.

### BENEFITS

- \* Quickly Removes Heavy Carbon Deposits, Heavy Greases, Lubricants, Mill Oils, Cosmolines and other Difficult Soils
- \* Removes Paint, Rust & Light Scale
- \* Will NOT Attack the Base Metal of Parts Preserving Parts Dimensions
- \* Formulated with Advanced Anti-Foam & Corrosion & Rust Inhibitor Technology
- \* Excellent Rinseability Leaving Parts Clean, Bright and Residue Free
- \* Contains NO Silicone Based Ingredients that Interfere with New Coatings or Paint
- \* Contains NO Deposit-Forming Silicates
- \* Powerful Rust Stripper

### PHYSICAL AND CHEMICAL PROPERTIES

Appearance . . . . .	Clear Light Amber Liquid	Rinseability . . . . .	Excellent
Boiling Point . . . . .	>212° F	Specific Gravity . . . . .	1.24
Odor . . . . .	Negligible	Water Solubility . . . . .	Complete
pH (100%) . . . . .	≈13.5	Mixing Reactivity . . . . .	Exothermic
pH (5%) . . . . .	≈13.0	Bulk Density . . . . .	11.1 Pounds/Gallon
Percent VOC . . . . .	0%		

### DIRECTIONS FOR USE

**EQUIPMENT:** TRANSBRITE 3000 can be used in all aqueous heated high-pressure spray wash cabinet & conveyor systems and manual & automatic immersion / agitation / soak tank cleaning systems. Operation of equipment should be done in accordance with the equipment manufacturer's instructions

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## DIRECTIONS FOR USE (CONTINUED)

**MAKE-UP & CONCENTRATION:** TRANSBRITE 3000 bath make-up concentration can be adjusted to obtain the desired effective, consistent and economical cleaning performance. **TRANSBRITE 3000 IS NOT ALUMINUM SAFE.**

**HEAVY-DUTY CLEANING:** Add 4%–10% by volume (5.1–12.8 fl. ounces/gallon) of TRANSBRITE 3000.

**RUST STRIPPING & DESCALING:** Add 10%–25% by volume (12.8–32.0 fl. ounces/gallon) of TRANSBRITE 3000.

**MIXING:** Add the desired amount TRANSBRITE 3000 to the equipments heated water-filled sump and activate the pump for ten (10) minutes to mix. Take CAUTION when adding TRANSBRITE 3000 as hazardous spattering may occur.

**FOLLOW THE EXAMPLE BELOW TO DETERMINE GALLONS OF TRANSBRITE 3000 NEEDED:**

$$\text{TRANSBRITE 3000 volume needed (gallons)} = \frac{\text{Sump Capacity (gallons)} \times \text{Desired Concentration (fl. oz/gallon)}}{128 \text{ fl. oz/gallon}}$$

$$\text{Desired Concentration of 8\%} = 128 \text{ fl. oz/gallon} \times .08 = 10.2 \text{ fl. oz/gallon}$$

$$\text{TRANSBRITE 3000 volume needed (gallons)} = \frac{450 \text{ gallons} \times 10.2 \text{ fl. oz/gallon (8\% Make-up)}}{128 \text{ fl. oz/gallon}} = 36.0 \text{ gallons}$$

**TEMPERATURE:** 140 °– 210° F. Temperature above 140° F will eliminate excess foam.

**WASH CYCLE OR DWELL TIME:** 5 – 45 Minutes depending on equipment being used, TRANSBRITE 3000 concentration and level of contamination.

**CARBON REMOVAL:** For increased carbon removal effectiveness, use **TRANSBRITE TURBOCHARGE ADDITIVE**. See TRANSBRITE TurboCHARGE Technical Data Sheet for use instructions.

**FOAM CONTROL:** While TRANSBRITE 3000 has Advanced Anti-Foam Technology built-in, equipment type & design, water quality, types of soils being cleaned, soil loading and operating temperatures below 140°, may increase the need for the use of **TRANSBRITE FOAMFREE ADDITIVE**. See TRANSBRITE FoamFREE Technical Data Sheet for use instructions.

**RINSING AND CORROSION INHIBITION:** Equipment dependant, the use of clean, warm or hot tap water for spray rinsing is recommended to remove all residues and is highly beneficial when conducting part sediment testing. Spray water rinses should contact all parts surfaces for at least 60 seconds. The use of cold tap water for rinsing should be avoided due to lower rinsing efficiency and the cooling of the parts will diminish flash drying. If spray water rinsing is not possible, the use of one or more soak rinse tanks should be considered. If corrosion or “flash rust” becomes a problem, during or after drying, use **TRANSBRITE RUSTFREE ADDITIVE** as part of the final water rinse. See TRANSBRITE RustFREE Technical Data Sheet for use instructions.

**LONG TERM CORROSION & RUST PROTECTION:** For long term protection against corrosion & rust, use **TRANSBRITE RUSTPREVENT** for indoor storage and **TRANSBRITE RUSTSTOP** for outdoor storage of parts for greater than one year of corrosion & rust protection. See TRANSBRITE RustPREVENT & TRANSBRITE RustSTOP Technical Data Sheets for use instructions.

**DRYING:** Parts should be dried thoroughly with techniques that physically remove rinse water from the substrate such as absorbent towel hand wiping, machine equipped forced air or air knife blow-off, hand-held compressed air blow-off or vacuum drying. Drying can affect residues and corrosion due to impurities left on the parts after evaporation. To minimize this and spotting on polished surfaces, employ one or more of the preceding methods to eliminate rinse water deposits from evaporation.

## TRANSBRITE 3000 CONCENTRATION MANAGEMENT, REPLENISHMENT & BATHLIFE

Once the bath's effective chemical concentration for TRANSBRITE 3000 has been developed and optimized, this concentration should be monitored, maintained and recorded on a routine and regular basis for continued optimal cleaning performance. Concentration Management can be accomplished easily with the help and use of the **TRANSBRITE TESTKIT**. The concentration of TRANSBRITE 3000 will normally decrease due to the cleaning of soils, liquid drag-out and to the replenishment of water due to evaporation. Once the desired concentration has been established, the exact replenishment amount of TRANSBRITE 3000 can be added back to the wash restoring and maintaining optimal cleaning performance. Bath life can also be extended by physical filtration of particulates & soils, the cooling, settling and removal of sludge and the use of oil skimmers. Continual recharging of the cleaning solution bath without proper tank drainage and cleaning will eventually lead to poor cleaning results and possible machine malfunction. See TRANSBRITE TestKIT Technical Data Sheet for use instructions.

## SAFETY AND HANDLING

**TRANSBRITE 3000 contains sodium hydroxide and is highly CORROSIVE.** Avoid contact with skin, eyes, and clothing. TRANSBRITE 3000 may cause severe chemical burns, permanent injury or scarring if it contacts unprotected skin or tissue. TRANSBRITE 3000 may cause blindness if it contacts the eye. Protective Personal Equipment (PPE) such as rubber gloves, safety clothing and eye protection should always be used when handling this product. In case of contact immediately flush skin with plenty of water. For eyes, flush with plenty of water for at least 15 minutes and get medical attention immediately. Refer to MSDS for all other questions regarding safety and handling.

## STORAGE

Dry, cool, indoor storage out of direct sunlight between 40°–100° F (5–38° C) is recommended. Store away from any incompatible materials and tightly close containers after use. KEEP FROM FREEZING.

## DISPOSAL

Disposal of the materials referenced in this data sheet should be done in accordance to all applicable federal, state, and local regulations. The cleaning and rinse water solutions can contain components other than those present in the materials supplied. Analysis of the cleaning and rinsing solutions should be completed prior to disposal.

## PACKAGING

Available in 5 gallon pails, 55 gallon drums and 275 gallon totes.

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