

# TRANSBRITE 1000

## ALUMINUM SAFE PARTS WASHING DETERGENT

### TECHNICAL DATA SHEET

**TRANSBRITE 1000 is a 100% Active, Highly Concentrated, FERROUS METAL ONLY, Alkaline Powdered Detergent engineered to produce superior cleaning results for the removal of the toughest contaminants on all ferrous metal surfaces including cast iron, iron & steel. 1000 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 1000 IS NOT ALUMINUM SAFE)**

#### BENEFITS

- 100% Active, Highly Concentrated Formula with NO Fillers
- Quickly Removes Heavy Carbon Deposits, Heavy Greases, Lubricants, Mill Oils, Cosmolines and other Difficult Soils
- Removes All Paint including CAT Yellow & Military Chemical Agent Resistant Coatings (CARC)
- Powerful Rust Stripper & Descaler
- 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
- Will NOT Attack the Base Metal of Parts Preserving Parts Dimensions

#### PHYSICAL AND CHEMICAL PROPERTIES

Appearance _____	Off-White Free Flowing Powder	Percent VOC _____	1% by Weight
Odor _____	Slight, Pungent	Rinseability _____	Excellent
pH (100%) _____	14.0	Water Solubility _____	Complete
pH (5%) _____	13.5	Mixing Reactivity _____	Exothermic

#### DIRECTIONS FOR USE

**EQUIPMENT:** TRANSBRITE 1000 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.

**MAKE-UP & CONCENTRATION:** TRANSBRITE 1000 bath make-up concentration can be adjusted to obtain the desired effective, consistent and economical cleaning performance.

**LIGHT-DUTY CLEANING:** Add 3%–5% by weight of TRANSBRITE 1000.

**HEAVY-DUTY CLEANING, PAINT & RUST STRIPPING:** Add 5%–10% by of TRANSBRITE 1000.

**FULL CAPABILITY PAINT, RUST & CARC STRIPPING:** Add 10%–14% by of TRANSBRITE 1000.

**CABINET SPRAY WASHERS:** Carefully add the desired amount of TRANSBRITE 1000 on to the equipment's turntable (use tray or pan to hold powder if needed) or cabinet floor, close the door and operate the pump/sprayers for ten minutes to dissolve and mix the powder thoroughly.

**CONVEYOR WASHERS:** Carefully place the desired amount of TRANSBRITE 1000 on a tray or pan and convey the tray or pan to the proper location within the conveyor and stop the conveyor. Operate the pumps/sprayers for ten minutes to dissolve and mix the powder thoroughly. Another method for conveyor systems is to pre-mix and dissolve TRANSBRITE 1000 into a pail or drum. Once dissolved into solution, carefully add the mixture into the conveyors wash tank.

**IMMERSION / AGITATION / SOAK TANK CLEANING SYSTEMS:** Pre-mix and dissolve TRANSBRITE 1000 into a pail or drum. Once dissolved into solution, carefully add the mixture into the tank. This method will ensure that all powder is dissolved.

**CAUTION** should be taken to avoid the “dumping” of TRANSBRITE 1000 into the washer’s reservoir or tank. Violent exothermic reactions may occur. If 1000 must be added directly to the washer’s reservoir or tank, SLOWLY add TRANSBRITE 1000 while continuously mixing.

**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 1000 concentration and level of contamination.

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

**FOAM CONTROL:** While TRANSBRITE 1000 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 & RUST INHIBITION:** Equipment dependent, the use of clean, warm or hot tap water for spray rinsing is recommended to remove all residues and is 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 as part of the final water rinse. See TRANSBRITE RUSTFREE ADDITIVE 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.

## **CONCENTRATION MANAGEMENT, REPLENISHMENT & BATH LIFE**

Once the bath’s effective chemical concentration for TRANSBRITE 1000 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 1000 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 1000 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.

## **SAFETY AND HANDLING**

Avoid contact with skin, eyes, and clothing. Protective gloves and eyewear are recommended. 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 50 Pound Pails and 500 Pound Drums.

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