



TRANSBRITE ULTRASONIC TECHNICAL DATA SHEET

TRANSBRITE UltraSONIC is a Highly Concentrated, ALUMINUM SAFE - MULTI-METAL, Liquid Alkaline Detergent engineered specifically for the ultrasonic cleaning of the toughest contaminants on all metal & plastic surfaces. UltraSONIC produces superior cleaning results reaching into the smallest cavities, worm tracks or blind holes found in transmission valve bodies, fuel injectors, engine heads and other transportation related assemblies & components. UltraSONIC performs in all SOLVENT-FREE, aqueous industrial ultrasonic equipment.

BENEFITS

- Safe for use on Aluminum, Brass, Copper, Iron, Plastic, Rubber & Steel
- Environmentally Green by Eliminating the need for Cleaning Solvents
- Biodegradable and Environmentally Safe
- Formulated with an Advanced Surfactant System that Inhibits the Redeposition of Contaminates
- Formulated with Advanced Corrosion Inhibitor Technology
- Excellent Rinseability Leaving Parts Clean, Bright and Residue Free
- Improves Sediment Testing of Cleaned Components
- Will NOT Darken or turn Aluminum Black
- Contains NO Silicone Based Ingredients that Interfere with New Coatings or Paint.

PHYSICAL AND CHEMICAL PROPERTIES

Appearance _____	Clear Water White	Percent VOC _____	0%
Liquid Boiling Point _____	>212° F	Rinseability _____	Excellent
Odor _____	Mild/Pleasant	Specific Gravity _____	1.01
pH (100%) _____	12.5	Water Solubility _____	Complete
pH (10%) _____	11.0	Bulk Density _____	8.4 Pounds/Gallon

DIRECTIONS FOR USE

EQUIPMENT: Operation of equipment should be done in accordance with the equipment manufacturer's instructions.

MAKE-UP & CONCENTRATION: For typical heavy duty cleaning, add 8%–15% by volume of UltraSONIC to the equipment's heated water-filled sump and activate the pump for about three minutes to mix. UltraSONIC bath make-up concentration can be adjusted to obtain the desired effective, consistent, and economical cleaning performance.

DEGASSING: Freshly made up bathes need to be degassed for 10 minutes at a temperature 5–10° F warmer than the planned operating temperature to remove dissolved gasses that will produce low cavitation energy and decrease cleaning performance.

PART EXPOSURE: In order for a surface to be cleaned, it must be exposed to the ultrasonically activated cleaning liquid. Simply put, air pockets result in no cleaning action! Parts must be placed properly within the parts basket to avoid the formation of air pockets in any small cavities, worm tracks or blind holes. Once submerged, the part(s) may need to be flipped, rotated or agitated to eliminate air pockets and ensure full wetting of the part.

DIRECTIONS FOR USE (CONTINUED)

TEMPERATURE: 140°–180° F (160° optimum).

WASH CYCLE OR DWELL TIME: 5 – 15 Minutes depending on level of contamination.

RINSING AND CORROSION & RUST INHIBITION: Equipment dependent, The use of clean, warm or hot tap water for rinsing is recommended to remove all residues and is highly beneficial when conducting part sediment testing. 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 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.

DRYING: Parts should be dried thoroughly with techniques that physically remove rinse water from the substrate such as absorbent towel hand wiping, machine equipped recirculating hot air dryers or air knife blow-offs, 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.

CONCENTRATION MANAGEMENT, REPLENISHMENT & BATH LIFE

TRANSBRITE UltraSONIC has a single use, non-replenished bath life. Replenishment will only be performed at the original bath make-up concentration to maintain proper liquid level due to liquid drag-out or evaporation. The ultrasonic bath life can be extended by physical filtration of particulates & soils, the cooling, settling and removal of sludge and the use of oil skimmers. In order for an ultrasonic cleaning system to function properly on a continuous basis, the ultrasonic cleaning tank must be filtered between batches. The lack of filtration between batch loads will lead to rapid loading and contamination of the tank and to the deterioration of ultrasonic cleaning. Routine inspection, drainage and cleaning of the ultrasonic tank must be performed to eliminate poor cleaning results and possible machine overheating and 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 SDS 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 1 Gallon Bottles, 5 Gallon Pails And 55 Gallon Drums.

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