

Non-Destructive Testing

www.HarryMillerCorp.com

Contact Us: +1.215.324.4000

Immersion and Hydrostatic Test Additives

Immunol® Series

These synthetic products are designed for ultrasonic immersion testing and hydrostatic pressure testing. They provide both rust protection and wetting and are formulated for specific metal types.

- ***Immunol® 1228*** is for steel and aluminum.
- ***Immunol® 791-J, 1392-J and 1809-J*** is for ferrous alloys, including cast iron.
- ***Immunol® 1809-JBR*** is formulated specifically for mixed metal systems including steel, copper, brass, bronze and aluminum.

Some grades offer long-term resistance to bacterial and fungal attack. This series is designed to be mixed with water of any grade or hardness at .5-2% concentration.

Immunol® 438

This additive series is formulated for aqueous suspension media for magnetic particles or fluorescent powders and pastes. Members of this series offer properties including:

- Wetting agents
- Corrosion inhibitors
- Suspension and Dispersion agents

Cost effective, aqueous solutions eliminate the fire hazards associated with solvents in magnetic particle inspection when equipment is necessarily and properly grounded. These aqueous fluids also minimize skin irritations.

Success Story

Special Formulations for General Electric

Immunol® 438 was developed in cooperation with General Electric Company of Evendale, Ohio and Wright Air Development Center in Dayton, Ohio as an inhibitor and wetting agent for water when used as the liquid vehicle for magnetic particle inspection of parts in place of light oil such as kerosene. It conforms to the requirements set forth in Mil-Spec I-6868, titled "Inspection Process, Magnetic Particle."

Non-Destructive Testing

www.HarryMillerCorp.com

Contact Us: +1.215.324.4000

Ultrasonic Couplants

Hamikleer® X-289 and X-290

Available in two viscosities, these water soluble and removable fluids contain rust inhibitors and are the most economical choice for routine inspections.

Hamikleer® 712

For standard contact flaw detection or wall thickness measurement. Excellent ultrasonic transmission properties, provides corrosion protection to ferrous metals. Water soluble and water removable. Excellent replacement for glycerine or oil. Can be used in high purity environments where only minimal amounts of halogens and sulfur are permitted.

Hamikleer® 8307

Premium grade solutions with higher degree of purity than Hamikleer 712 series. Like Hamikleer 712, these various viscosity couplants are water removable and can be used in applications -20 °F to 300 °F. This group is the choice for titanium, turbine metals, and aircraft alloys due to higher purity from additional contaminants such as sodium, phosphorus, zinc and lead, as well as halogens and sulfur.

Manufactured By:



4309 N. Lawrence Street
Philadelphia, PA 19140
USA

Harry Miller Corp. offers a wide variety of specialty chemicals for the non-destructive test industry. We offer NDT equipment manufacturers and users innovative formulations of non-toxic, non-flammable and non-irritating ultrasonic couplants, immersion tank additives, and magnetic particle inspection additives.

Certified analysis for contaminant levels are provided as needed. As always, Harry Miller Corp. offers custom formulations to meet your specific needs.



Your Sales Rep/Distributor: