

Product Data Sheet

MAGNETIC PARTICLE INSPECTION

WA-2B Water Conditioner WC-1 Water Conditioner

General Description:

WA-2B Water Conditioner is a white granular powder used in wet method magnetic particle testing when water is used as the bath vehicle. WA-2B water conditioner gives the water bath good surface wetting as well as magnetic particle dispersion capabilities. WA-2B's unique blend of wetting agents, corrosion inhibitors, and anti-foaming agents eliminates the need of any additional water conditioning agents. WA-2B is an outstanding general-purpose water conditioner for wet method magnetic particle inspection that does not cake during storage.

WC-1 Water Conditioner is a liquid used in wet method magnetic particle testing when the bath vehicle is water. WC-1 water conditioner gives the water bath good test part surface wetting as well as magnetic particle dispersion capabilities. Being a liquid, WC-1 exhibits more rapid dispersion in bath make-up than powdered conditioners.

Physical Properties (Not a Specification):

WA-2B

Form:	White granular powder
Density:	49 lbs./cu. ft. (10 g/l)
Recommended concentration:	1-1/3 oz./gal. (9.7 gm/L)
pH:	9.1

WC-1

Form:	Liquid
Specific gravity:	1.1
Recommended concentration	2% by volume
pH:	9.0 to 10.0

Bath Preparation:

WA-2B - Add WA-2B (1-1/3 oz./gal.) to warm water while stirring. Add directly over sump on wet horizontal magnetic particle units for more rapid dispersion. Stir until wetting agent is completely dissolved, then add magnetic particles. Avoid excessive amounts of wetting agent as increased foaming can occur as well as white precipitate of excess wetting agent.

WC-1 - Add WC-1 at 2 parts to 100 parts bath while stirring (2.6 fl. oz./gal.). Add magnetic particles over sump for more rapid dispersion. Avoid excessive amounts of wetting agent as heavy foaming can occur.

Container Size:

WA-2B 5 lb. plastic pail

WC-1 5 gallon pail