

KESTER® 1800 SOLDERING FLUX

Magnet Wire Flux

DESCRIPTION

Kester 1800 Soldering Flux is a neutral, water-based, non-halide, organic acid flux formulated for soldering magnet wire. 1800 is non-flammable and because water is not a volatile solvent, it is easy to control in use. 1800 is water soluble, which assures easy removal by aqueous cleaning methods after soldering. 1800 is used for soldering magnet wire, terminals ends and electronic assemblies. The unique chemistry of 1800 allows it to remain active for a short period at very high temperatures, up to 500 °C (932 °F), to remove solderable magnet wire coatings. 1800 is an excellent flux for soldering copper that leaves virtually no residues at elevated temperatures.

READ ENTIRE TECHNICAL DATA SHEET BEFORE USING THIS PRODUCT

FEATURES & BENEFITS

- High activity for soldering most metals
- Will not discolor copper and brass
- Excellent heat stability

ROHS COMPLIANCE

This product meets the requirements of the Restriction of Hazardous Substances (RoHS) Directive, 2015/863 for the stated banned substances.

TECHNICAL DATA

Category	Results	Procedure/Remarks
Physical Properties		
Specific Gravity	1.036 +/-0.010	Anton Paar DMA 35 @ 25 °C
pH (5% Solution, Typical)	6.8 to 7.4	Mettler-Toledo MA235 pH/Ions Analyzer@ 25 °C

APPLICATION

1800 is usually applied by brush or dip method at room temperature. If the flux tank is heated, it might be necessary to make water additions to maintain the specific gravity.

PROCESSING GUIDELINES

Processing Considerations

Any machinery or construction materials, which might be exposed to direct contact with the flux, should also be able to withstand strong acids.

Flux Control

1800 can be used as received. No mixing or dilution is required.

Cleaning

Residues from 1800 do not have to be removed from soldering applications depending on the requirements of the operation. Post-soldering residues are water soluble and can be cleaned easily in warm water, if desired.

Storage, Handling and Shelf Life

Shelf life is 3 years from the date of manufacture when handled properly and held at 5 to 45 °C (41 to 113 °F). If the storage temperature exceeds this range, the flux should be brought to room temperature and thoroughly mixed before dilution or use. 1800 should be stored out of direct sunlight. 1800 should be mixed and kept in polyethylene, PVC or fiberglass reinforced polyester containers at all times.

AVAILABILITY

1800 is supplied in non-returnable 1, 5 and 53 gallon containers.

RECYCLING SERVICES

We provide safe and efficient recycling services to help companies meet their environmental and legislative requirements and at the same time, maximize the value of their waste streams.

Our service collects solder dross, solder scrap, and various forms of solder paste waste. Please contact your local sales representative for recycling capabilities in your area.



SAFETY & WARNING

It is recommended that the company/operator read and review the Safety Data Sheets for the appropriate health and safety warnings before use. **Safety Data Sheets are available.**

CONTACT INFORMATION

www.macdermidalpha.com

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Also read carefully warning and safety information on the Safety Data Sheet. This data sheet contains technical information required for safe and economical operation of this product. READ IT THOROUGHLY PRIOR TO PRODUCT USE. Emergency safety directory assistance: US 1 202 464 2554, Europe + 44 1235 239 670, Asia + 65 3158 1074, Brazil 0800 707 7022 and 0800 172 020, Mexico 01800 002 1400 and (55) 5559 1588

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