

96SC and 97SC Alloy February 2005

and of persons against any hazards that may be involved in the handling and use thereof. In light of the foregoing, Henkel Corporation specifically disclaims all warranties expressed or implied, including warranties of merchantability or fitness for a particular purpose, arising from sale or use of Henkel Corporation's products. Henkel Corporation specifically disclaims any liability for consequential or incidental damages of any kind, including lost profits. The discussion herein of various processes or compositions is not to be interpreted as representation that they are free from domination of patents owned by others or as a license under any Henkel Corporation patents which may cover such processes or compositions. We recommend that each prospective user test his proposed application before repetitive use, using this data as a guide. This product may be covered by one or more United States or foreign patents or patent applications.

Lead Free Solder Alloys for Electronics

PRODUCT DESCRIPTION

MULTICORE[®] 96SC and 97SC alloys are designed to be lead free substitutes for tin/lead alloys in all electronics assembly soldering operations. Some advantages of MULTICORE[®] 96SC and 97SC are:

- Best all-around lead-free alternative
- · Proven in production use for electronics manufacturing
- Lowest melting high-tin, lead free alloy without undesirable additions
- Eutectic alloy (no melt range)
- · Enhanced wetting characteristics
- Meets or exceeds QQ-S-571, J-STD-006 and JIS Z 3282 Class A requirements

PROPERTIES OF ALLOYS

Alloy composition:

MULTICORE [®] 96SC	(SAC387)) 95.5%Sn: 3.8%Ag:0.7%Cu
-----------------------------	----------	--------------------------

MULTICORE[®] 97SC (SAC305) 96.5%Sn: 3.0%Ag:0.5%Cu

Meltpoint:

Eutectic at 217C (423F) for both alloys

Available Forms:

Both alloy are available as either solder paste (no-clean and water washable) and cored solder wire.

GENERAL INFORMATION

For safe handling information on this product, consult the Material Safety Data Sheet, (MSDS).

Data Ranges

The data contained herein may be reported as a typical value and/or range (based on the mean value ± 2 standard deviations). Values are based on actual test data and are verified on a periodic basis.

Note

The data contained herein are furnished for information only and are believed to be reliable. We cannot assume responsibility for the results obtained by others over whose methods we have no control. It is the user's responsibility to determine suitability for the user's purpose of any production methods mentioned herein and to adopt such precautions as may be advisable for the protection of property

Americas Henkel Corporation 15350 Barranca Parkway Irvine,CA 92618 949-789-2500 Europe Henkel Multicore Solders Kelsey House, Wood Lane End Hemel Hempstead Hertfordshire HP2 4RQ +44-1442-233233

Asia Henkel Loctite Hong Kong Ltd. 18/F Island Place Tower 510 King's Road, North Point Hong Kong +852.2233.0000



All trademarks, except where noted are the property of Henkel Corp.

NOT FOR PRODUCT SPECIFICATIONS

THE TECHNICAL INFORMATION CONTAINED HEREIN IS INTENDED AS REFERENCE ONLY. PLEASE CONTACT TECHNICAL SERVICE FOR ASSISTANCE AND RECOMMENDATIONS ON SPECIFICATIONS FOR THIS PRODUCT.