Technical Data Sheet

LOCTITE EDAG 915 E&C

June 2017

PRODUCT DESCRIPTION

LOCTITE EDAG 915 E&C provides the following product characteristics:

Technology	Thermoplastic
Appearance	Silver
Product Benefits	• Conductive • One component • Ease of use • Good adhesion to a variety of substrates
Diluent	methyliso butylketone, Butyl Acetate
Cure	Air dry
Application	Conductive coating
Typical Applications	• Sensing marks on magnetic tape • Electroplating of non-conductors • Capacitor terminations • Electrostatic screening • Electroforming on non-conductors • Coating on UHF reflectors • Resistor terminations

LOCTITE EDAG 915 E&C is a dispersion of flake silver in a thermoplastic resin formulated to produce a highly conductive thin, smooth, adherent flexible silver coating when applied to a wide variety of materials including plastics. Soldered connections may, in some cases, be made direct to the film.

TYPICAL PROPERTIES OF UNCURED MATERIAL

Solids Content (), %	62
Viscosity @ 20 °C, BS 4 cup, seconds	22 to 32
Density, Kg/m³	1,700
Theoretical coverage @ 10 µm coating thickness, m² /kg	~11
Shelf Life @ 25°C, days	365
Flash Point , ºC	14

TYPICAL PROPERTIES OF CURED MATERIAL

Electrical Properties

Sheet Resistivity, sample sprayed on Lexan panel, dried 30 minutes @ 70°C, ohms/sq/25 µm	≤0.015

GENERAL INFORMATION

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

DIRECTIONS FOR USE

1. Gently stir LOCTITE EDAG 915 E&C prior to use to ensure homogeneity.
2. The product has good coverage and brushing properties. LOCTITE EDAG 915 E&C should normally be applied undiluted. If brush drag is a problem when coating large areas, add up to 25% by weight of MIBK or n.butyl acetate .
3. For application by dipping, LOCTITE EDAG 915 E&C can either be used undiluted or with the addition of up to 50% by weight of n. butyl acetate, depending on the coating weight required.
4. For application by spray, the addition of up to 50% by weight of MIBK or n. butyl acetate is recommended.

METHODS OF USE

Magnetic Recording Tape

LOCTITE EDAG 915 E&C may be applied by means of a small camel hair brush to Melinex and other polyester film magnetic recording tapes. The coating provides a signal for switching purposes without any interruption to the record carried on the magnetic tape.

Electroplating

Coatings should, if possible, be heated to 100 to 150ºC before use to improve adhesion and hardness, particularly if the bath is hot or strongly acidic.

Capacitor Terminations

Tantalum or aluminum capacitor terminations are successfully made by soldering to films of LOCTITE EDAG 915 E&C. Further details will be supplied on request.

STORAGE:

Store product in the unopened container in a cool dry well ventilated area. Storage information may be indicated on the product container labeling.

Optimal Storage: 25°C. Storage below 25°C or greater than 25°C can adversely affect product properties.

Material removed from containers may be contaminated during use. Do not return product to the original container. Henkel Corporation cannot assume responsibility for product which has been contaminated or stored under conditions other than those previously indicated. If additional information is required, please contact your local Technical Service Center or Customer Service Representative.

Empty containers may retain hazardous properties.

Not for product specifications
The technical data contained herein are intended as reference only. Please contact your local quality department for assistance and recommendations on specifications for this product.

Conversions
(°C x 1.8) + 32 = °F
kV/mm x 25.4 = V/mil
mm / 25.4 = inches
N x 0.225 = lb
N/mm x 5.71 = lb/in
psi x 145 = N/mm²
MPa = N/mm²
N·m x 8.851 = lb·in
N·m x 0.738 = lb·ft
N·mm x 0.142 = oz·in
mPa·s = cP

Disclaimer
Note:
The information provided in this Technical Data Sheet (TDS) including the recommendations for use and application of the product are based on our knowledge and experience of the product as at the date of this TDS. The product can have a variety of different applications as well as differing application and working conditions in your environment that are beyond our control. Henkel is, therefore, not liable for the suitability of our product for the production processes and conditions in respect of which you use them, as well as the intended applications and results. We strongly recommend that you carry out your own prior trials to confirm such suitability of our product.
Any liability in respect of the information in the Technical Data Sheet or any other written or oral recommendation(s) regarding the concerned product is excluded, except if otherwise explicitly agreed and except in relation to death or personal injury caused by our negligence and any liability under any applicable mandatory product liability law.

In case products are delivered by Henkel Belgium NV, Henkel Electronic Materials NV, Henkel Nederland BV, Henkel Technologies France SAS and Henkel France SA please additionally note the following:
In case Henkel would be nevertheless held liable, on whatever legal ground, Henkel's liability will in no event exceed the amount of the concerned delivery.

In case products are delivered by Henkel Colombiana, S.A.S. the following disclaimer is applicable:
The information provided in this Technical Data Sheet (TDS) including the recommendations for use and application of the product are based on our knowledge and experience of the product as at the date of this TDS. Henkel is, therefore, not liable for the suitability of our product for the production processes and conditions in respect of which you use them, as well as the intended applications and results. We strongly recommend that you carry out your own prior trials to confirm such suitability of our product.
Any liability in respect of the information in the Technical Data Sheet or any other written or oral recommendation(s) regarding the concerned product is excluded, except if otherwise explicitly agreed and except in relation to death or personal injury caused by our negligence and any liability under any applicable mandatory product liability law.

In case products are delivered by Henkel Corporation, Resin Technology Group, Inc., or Henkel Canada, Inc.the following disclaimer is applicable:
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 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 that 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.

Trademark usage
Except as otherwise noted, all trademarks in this document are trademarks of Henkel Corporation in the U.S. and elsewhere. ® denotes a trademark registered in the U.S. Patent and Trademark Office.

Reference 1

This document was created and digitally signed by tdx.henkel.com at 2025-11-28T10:51:07.421Z