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LOCTITE

Technical Data Sheet

LOCTITE MSC 01

October 2012

PRODUCT DESCRIPTION

LOCTITE MSC 01 provides the following product characteristics:

Technology	Cleaner
Application	Pb-free soldering

LOCTITE MSC 01 high performance cleaning solution is developed for solder paste cleaning processes. This material can be used manually or with an automatic stencil underside wiper.

FEATURES AND BENEFITS

- Reduced VOC
- Fast evaporating
- High solvency
- No oily residues
- Low environmental impact

LOCTITE MSC 01 can be used for manual cleaning of reworked circuit assemblies.

Screen/stencil cleaning equipment	Recommended
Printer automatic wipe system	Suitable
Manual cleaning operation	Suitable
Rework	Suitable

TYPICAL PROPERTIES

LOCTITE MSC 01 are based on user-friendly oxygenated organic chemistries. Each product is designed with slightly different properties to suit a particular application.

Cleaner Typical Properties

Relative Density	0.896
Flashpoint, °C	40
Evaporation (Butyl Acetate=100)	46
Appearance	Clear and colorless
Odor	Characteristic
Water solubility	Miscible

DIRECTIONS FOR USE

These materials clean by dissolution of the organic media present in the paste and, as such, will dissolve a wide variety of organic materials. Check compatibility of the cleaner with all encountered materials before use. The following table provides compatibility guidelines.

LOCTITE MSC 01 will remove paint from the following surfaces.

Acrylonitrile butadiene styrene	Good compatibility
Butyl rubber	Good compatibility
Epoxy adhesives	Good compatibility
Fiducial epoxies	Good compatibility
Natural rubber	Good compatibility
Nitrile rubber	Good compatibility
Nylon	Good compatibility
P.U. squeegee	Good compatibility
Polycarbonate	Good compatibility
Polyethylene	Good compatibility
Polypropylene	Good compatibility
Polytetrafluoroethylene	Good compatibility
PTFE squeegee	Good compatibility
SBR rubber	Good compatibility
EPDM rubber	Do not use
Polymethylmeth acrylate	Do not use
Polystyrene	Do not use
PVC	Do not use
Silicone rubber	Do not use

ENVIRONMENTAL

All materials used in this product has low environmental impact. They are biodegradable and unlikely to bioaccumulate. The water hazard classification under the German WGK is class 1 for all components, while the TA luft air class is III, the lowest category. Biodegradability as % of THOD is 84% in 28 days.

PACKAGING

Containers: LOCTITE MSC 01 is supplied in:

- 500 ml trigger spray packs
- 11, 51 and 251 polythene containers

Other packaging types may be available on request; please contact your local technical service helpdesk for assistance.

Shelf Life:
The stable formulation and components of LOCTITE MSC 01 ensure a minimum shelf life of 365 days in an unopened container.

DATA RANGES

The data contained herein may be reported as a typical value and/or a range. Values are based on actual test data and are verified on a periodic basis.

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GENERAL INFORMATION

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

Not for Product Specifications

The technical information contained herein is intended for reference only. Please contact Henkel Technologies Technical Service 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
µm / 25.4 = mil
N x 0.225 = lb
N/mm x 5.71 = lb/in
N/mm² x 145 = psi
MPa x 145 = psi
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.
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