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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: [info@chipsmall.com](mailto:info@chipsmall.com) Web: [www.chipsmall.com](http://www.chipsmall.com)

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





# Citrus Base Cleaner (Aerosol)

## Technical Data

October, 2004

### Product Description

3M™ Citrus Base Cleaner is a liquid cleaner/degreaser used to help dissolve and remove dirt, grease, tar, and many non-curing type adhesives. It can also be used in some cases to degrease substrates for adhesive bonding in place of many chlorinated or petroleum based solvents. In many cases, however, the cleaner will not substitute for etching or similar substrate preparation.

### Typical Physical Properties

**Note:** The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

<b>Base:</b>	Citrus oil
<b>Density lbs./gal. (approx.):</b>	6.5 lbs.
<b>Odor:</b>	Citrus
<b>Flash point:</b>	-50°F (-46°C)
<b>Color:</b>	Clear
<b>Solids (by wt.):</b>	3-5%
<b>Propellent:</b>	Propane

### Typical Performance Characteristics

**Note:** The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

3M citrus base cleaner was tested for cleanup effectiveness on the following adhesive/sealant product types:

Adhesive/Sealant Type	Typical Effectiveness
<b>SBR</b>	Very effective when adhesive is wet; very effective in most cases when adhesive is dry.
<b>Neoprene</b>	Very effective in most cases when adhesive is wet or dry.
<b>Nitrile</b>	Effective in most cases when adhesive is wet or dry. (Note: There are some nitriles that will not clean up when cured).
<b>Asphalt and Asphalt Reclaim Rubber</b>	Very effective in most cases when adhesives are wet or dry.
<b>Acrylic</b>	Effective in most cases when adhesive is wet; relatively ineffective in most cases when adhesive is dry.
<b>Epoxyes, Urethanes, and Polysulfides</b>	Effective in most cases when adhesive is wet; relatively ineffective when adhesive is dry.
<b>Vinyl Resin</b>	Relatively ineffective as a cleaning agent for this base type.
<b>Butyl</b>	Effective when adhesive is wet; not very effective when dry.
<b>Hot melt</b>	Relatively ineffective on hot melt adhesives.
<b>Transfer Tape, misc. Adhesive backed tape</b>	Will aid in the removal of many tapes. Cleaner is slow to dissolve tape residue.

# 3M™ Citrus Base Cleaner (Aerosol)

<b>Features</b>	<ul style="list-style-type: none"><li>• No chlorinated or petroleum based solvents</li><li>• Cleans gently</li><li>• Fresh citrus scent</li></ul>
<b>Handling/Application Information</b>	<p><b>Note:</b> 3M™ Citrus Base Cleaner may attack some plastics, painted materials and rubbers which is why it should be tested on a small area of any surface being cleaned before using.</p> <p><b>Directions for Use:</b></p> <p>Thoroughly coat 3M citrus base cleaner on surfaces or parts being cleaned. Wait a few minutes to allow maximum penetration and loosening action. Then wipe away with a clean, damp rag. Wipe with clean cloth, let air dry. Repeat application when substance to be removed is too thick for maximum penetration.</p> <p><b>Caution! This product should not be used as a hand cleaner and skin contact should be avoided. This product may cause skin irritation on prolonged or repeated contact. Do not rinse into waterways or sewers.</b></p>
<b>Storage</b>	Store product at 60-80°F (16-27°C) for maximum storage life. Rotate stock on a “first in-first out” basis.
<b>Shelf Life</b>	When stored at the recommended conditions in original, unopened containers, this product has a shelf life of 24 months.
<b>Precautionary Information</b>	Refer to Product Label and Material Safety Data Sheet for health and safety information before using this product. For additional health and safety information, call 1-800-364-3577 or (651) 737-6501.
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## Industrial Business Industrial Adhesives and Tapes Division

3M Center, Building 21-1W-10, 900 Bush Avenue  
St. Paul, MN 55144-1000  
800-362-3550 • 877-369-2923 (fax)  
www.3M.com/industrial



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