



# VOC Regulations for Adhesives and Sealants Products 16 fl oz or LESS

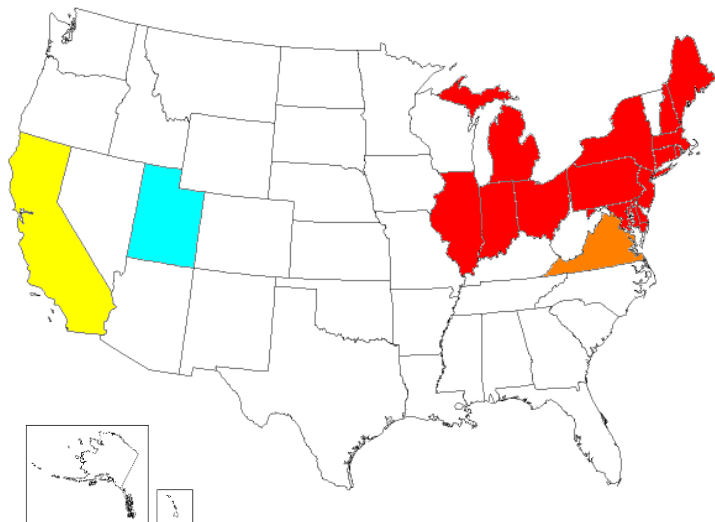
(Including All Sizes of Aerosol Adhesives)

REGULATIONS CURRENT AS OF  
**FEBRUARY 2018**



## Regulated States

STATE	EFFECTIVE DATE	SELL THROUGH EXPIRES
CALIFORNIA *	SEE WEBSITE	SEE WEBSITE
CONNECTICUT	5/1/2018	UNLIMITED
DELAWARE	1/1/2017	UNLIMITED
ILLINOIS	7/1/2012	UNLIMITED
INDIANA	6/1/2011	UNLIMITED
MAINE	1/1/2009	UNLIMITED
MARYLAND	1/1/2018	UNLIMITED
MASSACHUSETTS	1/1/2009	UNLIMITED
MICHIGAN	1/29/2007	UNLIMITED
NEW HAMPSHIRE *	1/1/2007 - 1/1/2015	UNLIMITED
NEW JERSEY	1/1/2009	UNLIMITED
NEW YORK	10/15/2009	UNLIMITED
PENNSYLVANIA	1/1/2009	UNLIMITED
OHIO	1/1/2009	UNLIMITED
RHODE ISLAND	7/1/2009	UNLIMITED
WASH DC	3/1/2011	UNLIMITED
VIRGINIA *	8/1/2010	UNLIMITED
UTAH *	9/1/2014	UNLIMITED



\* Please see below for specific information

### CA, UT, NH, DE, CT, & MD

#### Currently Effective

Construction, Panel & Floor Covering Adhesive - 7% VOC Limit

#### California

##### Currently Effective

Non-Chemically Curing Sealant/Caulking Compound  
VOC limit has dropped to 1.5%

Chemically Curing Sealant/Caulking Compound  
VOC limit has dropped to 3%

Aerosol Rust Converter – MIR Limit 1.10

#### Virginia

Only the following Northern counties and cities in the State of Virginia are regulated:

<u>Counties</u>		<u>Cities</u>
Arlington	Spotsylvania	Alexandria
Fairfax	Stafford	Colonial Heights
Charles City		Falls Church
Chesterfield		Fairfax
Hanover		Fredericksburg
Henrico		Manassas
Loudon		Manassas Park
Prince George		Petersburg
Prince William		Richmond

#### Utah

Only the following counties in the State of Utah are regulated:

<u>Counties</u>		
Box Elder	Cache	Weber
Davis	Salt Lake	
Tooele	Utah	

#### CARB (California Air Resources Board)

regulates the whole state for Consumer Products such as adhesives and sealants that are 16 fl oz or smaller; and all sizes of aerosol adhesives.\*

**Effective Dates May Vary**

\* Except for products currently exempted or not regulated by CARB. Effective 10/6/2017 SCAQMD (South Coast Air Quality Management District) has claimed authority to regulate all exempted and not regulated CARB product categories; regardless of size. Some new categories are: clear, paintable, and immediately water resistant sealant, and foam sealant.

**Please contact Henkel's Product Safety & Regulatory Affairs Department if you have additional questions/comments**  
**1-440-250-7700.**



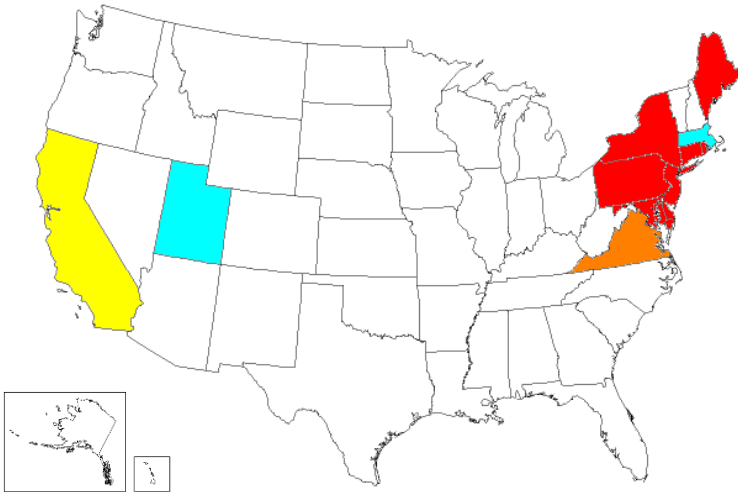
# VOC Regulations for Adhesives and Sealants Products LARGER than 16 fl oz



REGULATIONS CURRENT AS OF  
**FEBRUARY 2018**



## Regulated States



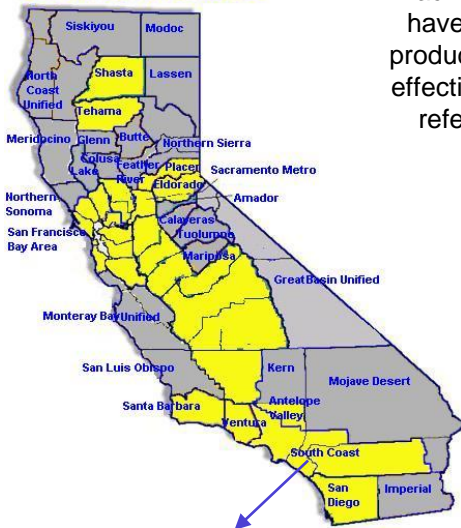
STATE	EFFECTIVE DATE	SELL THROUGH EXPIRES
CALIFORNIA *	SEE WEBSITE	SEE WEBSITE
CONNECTICUT	1/1/2009	UNLIMITED
DELAWARE	5/1/2009	UNLIMITED
MAINE	1/1/2011	UNLIMITED
MARYLAND	1/1/2009	UNLIMITED
NEW JERSEY	1/1/2009	UNLIMITED
NEW YORK	9/30/2010	12/31/2011
RHODE ISLAND	7/1/2009	UNLIMITED
WASH DC	3/1/2011	UNLIMITED
PENNSYLVANIA	1/1/2012	UNLIMITED
VIRGINIA *	8/1/2010	UNLIMITED
MASSACHUSETTS	1/1/2015	9/1/2015
UTAH *	9/1/2014	UNLIMITED

\* Please see below for specific information

## California

## 35 Air Districts

### California Air Districts



Each air district could have differing limits, product categories and effective dates. Please refer to the district website.

\*\* Including all CARB exempted and not regulated products regardless of size.

Thirteen (13) air districts have VOC regulations for products larger than 16 fl oz:

- Antelope Valley AQMD
- San Diego APCD
- Shasta County AQMD
- San Joaquin APCD
- Tehama County APCD
- Santa Barbara APCD
- Bay Area AQMD
- South Coast AQMD\*\*
- El Dorado APCD
- Ventura County APCD
- Placer County APCD
- Yolo-Solano AQMD
- Sacramento Metro AQMD

## Virginia

Only the following Northern counties and cities in the State of Virginia are regulated:

Counties	Cities
Arlington	Alexandria
Charles City	Colonial Heights
Chesterfield	Falls Church
Hanover	Fairfax
Henrico	Fredericksburg
Fairfax	Hopewell
Loudon	Manassas
Prince George	Manassas Park
Prince William	Petersburg
Spotsylvania	Richmond
Stafford	

## Utah

Only the following counties in the State of Utah are regulated:

- Box Elder
- Cache
- Davis
- Salt Lake
- Tooele
- Utah
- Weber

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REGULATIONS CURRENT AS OF  
FEBRUARY 2018

### What are VOCs and why are they regulated?

The EPA defines Volatile Organic Compounds generally as any compound of carbon (some exceptions) which participates in atmospheric photochemical reactions. When VOCs mix with air and sunlight they can create smog and cause negative health effects. The EPA has set standards for smog (ground-level ozone) levels. For the states that do not meet these standards, they must have State Implementation Plans to reduce the smog levels, therefore regulations on VOCs are required in certain areas.

### How do VOC regulations work?

Regulations prohibit the manufacture, sale, and/or use of non-VOC compliant products in certain locations which can be broken down to a state, county, or district level. The regulations also differ based on the size of the product. Consumer products (16 fluid ounces or less) are subject to different regulations compared to industrial products (larger than 16 fluid ounces).

### What fines or penalties may I be subject to if I do not follow these VOC laws?

Each state has its own enforcement. Fines are levied for sale or use of non compliant product in a regulated state. California has inspectors in the field and fines and penalties can be thousands of dollars per day.

### Will other states not currently regulated adopt similar regulations? What about Canada?

States may. Most of the mid states follow the Federal EPA rules but if certain locales need to meet the stringent air pollution limits, some states may adopt their own rules. **Canada** has proposed a rule much like CARB (California Air Resource Board) and OTC (Ozone Transport Commission) for consumer products. We have no definitive estimate as of late 2013.

### What are effective and sell-through dates?

**Effective Date** is the date on which the rule and associated limits are enforceable. **Sell Through** is the period of time when products manufactured prior to effective date can be sold, so long as compliant date code is used. \*Note: Some states have sell through dates with specific end dates while others have unlimited sell through if manufactured prior to the effective date

### My business is in a regulated state but I distribute product out of state (non-regulated state), may I still purchase non-VOC product?

Yes. Customers can purchase non compliant product for distribution into compliant regions/states as long as they have signed a copy of Henkel's VOC Exception Form Letter.

### Where can I find a copy of the VOC regulations map?

Contact Henkel Regulatory Affairs at 440-250-7700 or visit the individual state regulation website listed on the respective map page

### What is LEED®?

LEED® (Leadership in Energy and Environmental Design) certification provides independent, third-party verification that a building, home or community was designed and built using strategies aimed at achieving high performance in key areas of human and environmental health: sustainable site development, water savings, energy efficiency, materials selection and indoor environmental quality. Developed by the U.S. Green Building Council (USGBC) in 2000, the LEED rating systems are developed through an open, consensus-based process led by LEED committees. The products highlighted below fall within LEED Green Standards.



### What is the GREENGUARD®?

The GREENGUARD® Environmental Institute (GEI) has established performance-based standards to define products and processes with low chemical and particle emissions for use indoors. The Indoor Air Quality Certification Program standards establish certification procedures including test methods, allowable emission levels, product sample collection and handling, testing type and frequency as well as program application processes, toxicity limits and acceptance.



Please contact Henkel's Product Safety & Regulatory Affairs  
Department if you have additional questions/comments

1-440-250-7700.



LOCTITE



# VOC Regulations for Adhesives and Sealants Information Source

REGULATIONS CURRENT AS OF  
**FEBRUARY 2018**

**10 fl oz**

**16 fl oz or LESS**

STATE	EFFECTIVE DATE	SELL THROUGH EXPIRES	STATE RULE	STATE WEBSITE
CALIFORNIA *	SEE WEBSITE	SEE WEBSITE	SEE WEBSITE	<a href="http://www.arb.ca.gov/drdb/drdb.htm">http://www.arb.ca.gov/drdb/drdb.htm</a>
CONNECTICUT	5/1/2018	UNLIMITED	22a-174-40	<a href="http://www.ct.gov">http://www.ct.gov</a>
DELAWARE	1/1/2017	UNLIMITED	1141	<a href="http://www.dnrec.delaware.gov/ws/awm/AQM/Pages/AirRegulations.aspx">http://www.dnrec.delaware.gov/ws/awm/AQM/Pages/AirRegulations.aspx</a>
ILLINOIS	7/1/2012	UNLIMITED	Title 35(B)223.200-285	<a href="http://epa.state.il.us/regulations/index.html">http://epa.state.il.us/regulations/index.html</a>
INDIANA	6/1/2011	UNLIMITED	326 IAC 8	<a href="http://www.in.gov/legislative/iac/">http://www.in.gov/legislative/iac/</a>
MAINE	1/1/2009	UNLIMITED	06 096 - Ch 149	<a href="http://www.maine.gov/dep/air/">http://www.maine.gov/dep/air/</a>
MARYLAND	1/1/2018	UNLIMITED	26.11.35.01	<a href="http://www.dsd.state.md.us">http://www.dsd.state.md.us</a>
MASSACHUSETTS	1/1/2009	UNLIMITED	310 CMR	<a href="http://www.mass.gov/dep/air/laws/regulati.htm">http://www.mass.gov/dep/air/laws/regulati.htm</a>
MICHIGAN	1/29/2007	UNLIMITED	2005-035EQ	<a href="http://www.michigan.gov/deg">http://www.michigan.gov/deg</a>
NEW HAMPSHIRE *	1/1/2007 - 1/1/2015	UNLIMITED	Env-A 4100	<a href="http://des.nh.gov/organization/commissioner/legal/rules/">http://des.nh.gov/organization/commissioner/legal/rules/</a>
NEW JERSEY	1/1/2009	UNLIMITED	7:27-26	<a href="http://www.state.nj.us/dep/agm/">http://www.state.nj.us/dep/agm/</a>
NEW YORK	10/15/2009	UNLIMITED	235-1	<a href="http://www.dec.ny.gov/">http://www.dec.ny.gov/</a>
PENNSYLVANIA	1/1/2009	UNLIMITED	25:130	<a href="http://www.pabulletin.com/">http://www.pabulletin.com/</a>
OHIO	1/1/2009	UNLIMITED	3745-112	<a href="http://www.epa.ohio.gov/">http://www.epa.ohio.gov/</a>
RHODE ISLAND	7/1/2009	UNLIMITED	44	<a href="http://www.dem.ri.gov/pubs/regs/">http://www.dem.ri.gov/pubs/regs/</a>
WASH DC	3/1/2011	UNLIMITED	20-7	<a href="http://dcregs.dc.gov/default.aspx">http://dcregs.dc.gov/default.aspx</a>
VIRGINIA *	8/1/2010	UNLIMITED	9 VAC 5-45-6	<a href="http://www.deq.state.va.us/programs">http://www.deq.state.va.us/programs</a>
UTAH *	9/1/2014	UNLIMITED	307-357	<a href="http://www.airquality.utah.gov/">http://www.airquality.utah.gov/</a>

**28 fl oz**

**LARGER than 16 fl oz**

STATE	EFFECTIVE DATE	SELL THROUGH EXPIRES	RULE	STATE WEBSITE
CALIFORNIA *	SEE WEBSITE	SEE WEBSITE	SEE WEBSITE	<a href="http://www.arb.ca.gov/drdb/drdb.htm">http://www.arb.ca.gov/drdb/drdb.htm</a>
CONNECTICUT	1/1/2009	UNLIMITED	22a-174-44	<a href="http://www.ct.gov">http://www.ct.gov</a>
DELAWARE	5/1/2009	UNLIMITED	1141	<a href="http://www.dnrec.delaware.gov/ws/awm/AQM/Pages/AirRegulations.aspx">http://www.dnrec.delaware.gov/ws/awm/AQM/Pages/AirRegulations.aspx</a>
MAINE	1/1/2011	UNLIMITED	06 096 - Ch 149	<a href="http://www.maine.gov/dep/air/">http://www.maine.gov/dep/air/</a>
MARYLAND	1/1/2009	UNLIMITED	26.11.35.01	<a href="http://www.dsd.state.md.us">http://www.dsd.state.md.us</a>
NEW JERSEY	1/1/2009	UNLIMITED	7:27-26	<a href="http://www.state.nj.us/dep/agm/">http://www.state.nj.us/dep/agm/</a>
NEW YORK	9/30/2010	12/31/2011	235-1	<a href="http://www.dec.ny.gov/">http://www.dec.ny.gov/</a>
RHODE ISLAND	7/1/2009	UNLIMITED	44	<a href="http://www.dem.ri.gov/pubs/regs/">http://www.dem.ri.gov/pubs/regs/</a>
WASH DC	3/1/2011	UNLIMITED	20-7	<a href="http://dcregs.dc.gov/default.aspx">http://dcregs.dc.gov/default.aspx</a>
PENNSYLVANIA	1/1/2012	UNLIMITED	25:130	<a href="http://www.pabulletin.com/">http://www.pabulletin.com/</a>
VIRGINIA *	8/1/2010	UNLIMITED	9 VAC 5-45-4	<a href="http://www.deq.state.va.us/programs">http://www.deq.state.va.us/programs</a>
MASSACHUSETTS	1/1/2015	9/1/2015	310 CMR 7.18(30)	<a href="http://www.mass.gov/eea/agencies/massdep/air/regulations">http://www.mass.gov/eea/agencies/massdep/air/regulations</a>
UTAH *	9/1/2014	UNLIMITED	307-342	<a href="http://www.airquality.utah.gov/">http://www.airquality.utah.gov/</a>

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