



# VOC GUIDE

COMMITMENT TO TECHNOLOGY | The GUNK® brand was built on a solid foundation of high performing products that solve our customer's most difficult cleaning challenges. The heritage and strength comes from years of experience tackling the toughest oil, grease, dirt and mud covering jobs anywhere from your car or truck to your garage, shop, barn, facilities or fleet. The GUNK® brand continues to prove its versatility and dependability in any industry where serious cleaning projects require heavy-duty, high performance products.

**WHAT ARE VOCs?** VOC stands for volatile organic compound. Organic compounds contain hydrogen, oxygen and carbon. Organic compounds range from low volatility (slow evaporating) naturally occurring chemicals like olive oil to high volatility (fast evaporating) ethanol (ethyl alcohol).

**WHY ARE THEY REGULATED?** The majority of states regulate VOCs because the release of these into the environment can, under certain conditions, contribute to the formation of ground level ozone. Ozone while a good thing in the upper atmosphere is a bad thing at ground level, causing respiratory distress and even death for those members of the population weakened by respiratory illness or age. The Environmental Protection Agency, in conjunction with state agencies throughout the USA, has set ozone standards. It is these standards that are driving states to regulate VOCs in an effort to decrease the high ozone levels.

**WHAT IS BBI DOING ABOUT VOCs?** Our policy is to decrease VOCs to zero in all our products as quickly as technically feasible. Many of our lubricants and cleaners are already zero-VOC, well ahead of federal and state requirements.

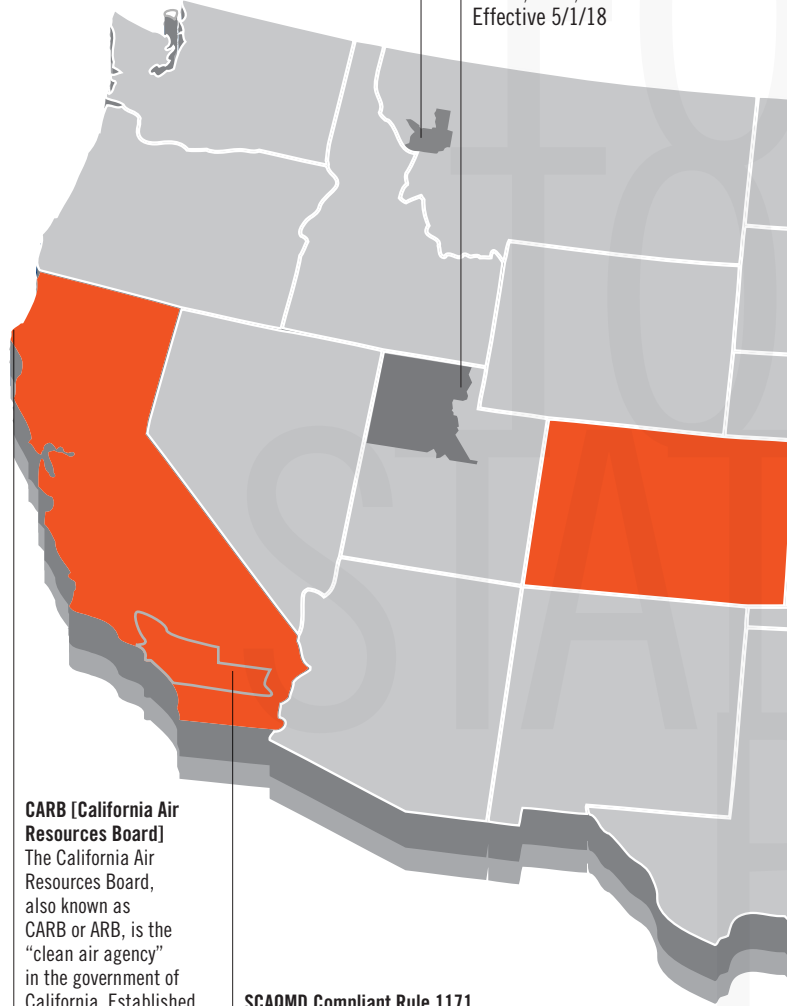
**ARE ALL VOCs THE SAME?** No, some are regulated and some are not. There are organic volatiles that are exempt specifically because they either do not contribute to ozone formation (as is the case with acetone) or they are of such low volatility that they do not react to form ozone (as would be the case with low vapor pressure VOC [LVP-VOCs]). The VOC regulations (USEPA, CARB, OTC, and LADCO) spell out quite clearly what constitutes a VOC that is exempt from regulation (usually referred to as "VOC exempt compounds"). LVP-VOCs are defined by their physical properties and are characterized by their low volatility as defined by vapor pressure, initial boiling point, or number of carbon atoms in each molecule.

**ARE ALL VOC REGULATIONS THE SAME?** No, some regulations are designed solely to regulate VOC emissions from paints and coatings. These coatings VOC regulations often rely on complicated MIR (maximum incremental reactivity) calculations to determine a product's VOC compliance. Most BBI products are regulated under consumer product VOC regulations that establish maximum VOC levels based on percent by weight.

**WHAT ABOUT CHLORINATED COMPOUNDS?** Chlorinated compounds such as perchloroethylene (tetrachloroethylene) and methylene chloride are VOC exempt, but often regulated (and banned) under other regulations. It's important to remember that the bans on chlorinated products in many states are based upon health considerations and not VOC emissions reductions.

**Wellfield Areas of Missoula, MT**  
Chlorinated Brake Cleaners are banned in some Wellfield Areas of Missoula, MT. It includes the city of Missoula and areas within five miles of the city limits.

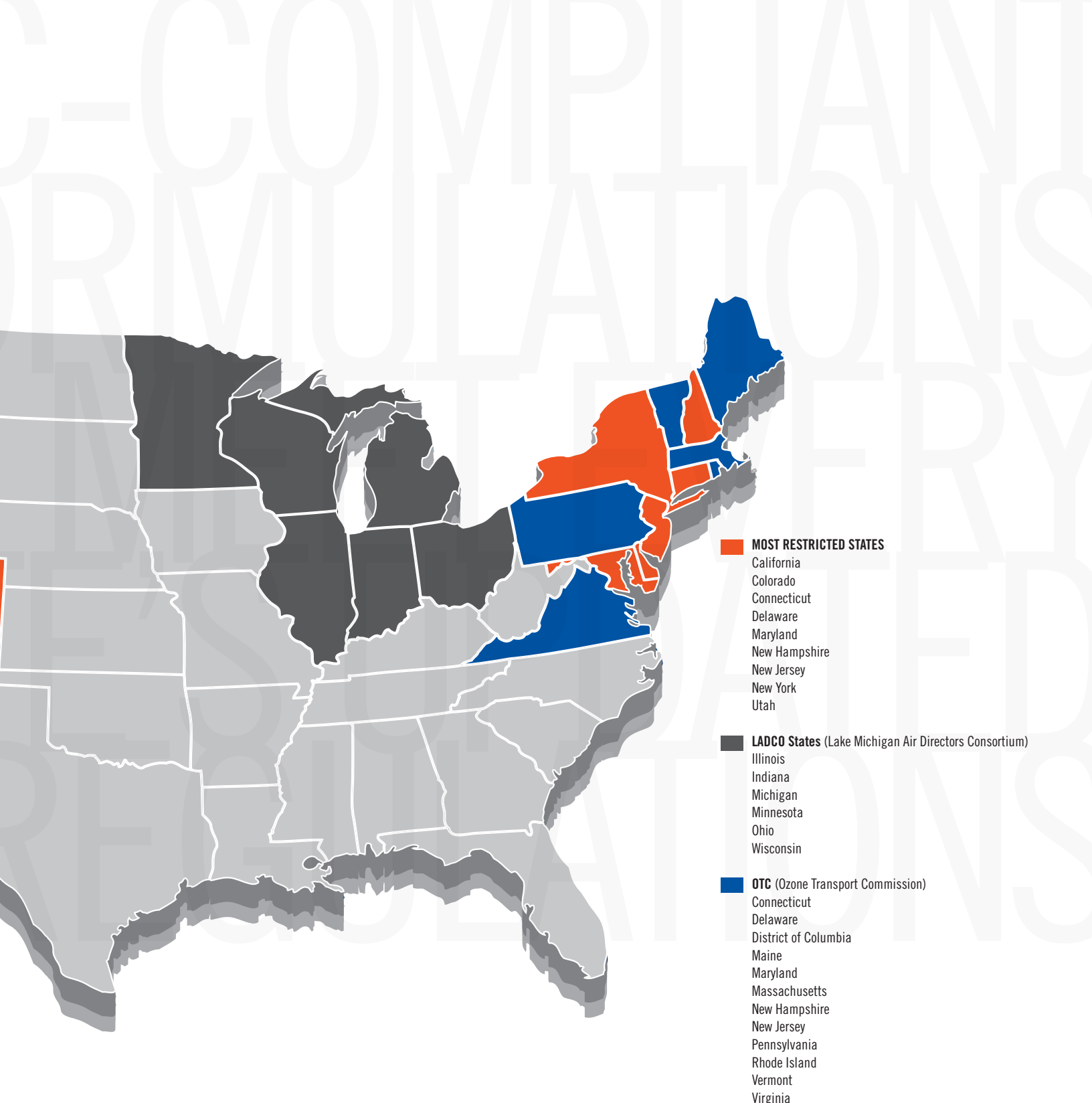
**UTAH**  
The following counties fall under the Utah R307-357 ruling: Box Elder, Cache, Davis, Salt Lake, Tooele, Utah, and Weber. Effective 5/1/18



**CARB [California Air Resources Board]**  
The California Air Resources Board, also known as CARB or ARB, is the "clean air agency" in the government of California. Established in 1967, CARB's goal is attaining and maintaining air quality, including but not limited to the regulation of emissions from vehicles, stationary sources, paints, and consumer products.

**SCAQMD Compliant Rule 1171**  
[South Coast Air Quality Management District]  
The SCAQMD is the air pollution control agency for all of Orange County and the urban portions of Los Angeles, Riverside and San Bernardino counties. This area of 10,743 square miles is home to over 16.8 million people—about half the population of the entire state. It is the second most populated urban area in the United States and one of the smoggiest. The most highly populated air quality management district, the SCAQMD provides one of twelve members sitting on the California Air Resources Board.





## ENGINEERED IN-HOUSE FOR PROFESSIONAL USE WITH PRIORITIES OF PERFORMANCE AND SAFETY

Our in-house chemists formulate products for GUNK®, LIQUID WRENCH® and TITSEAL® products. They ensure that the highest standards of quality, safety and performance are built into all products. Blumenthal Brands Integrated, LLC (BBI) has been committed to serving the automotive, industrial, heavy duty, MRO and professional markets with tough and trusted chemicals that help you get the job done.



PART NO.	PRODUCT DESCRIPTION	VOC CONTENT	CHLORINATED	FLAMMABILITY	RESTRICTED STATES	ALTERNATE PRODUCT
EB1	<b>Engine Degreaser Original, 15 oz</b> Removes tough grease & oil buildup, for hardworking, leaky engines <b>41 State Compliant</b>	15%	NO	FLAMMABLE	CA, CO, CT, DE, MD, NH, NY, RI, UT*	EB1CA
EB1CA	<b>Engine Degreaser Original, 15 oz</b> Low VOC formula, removes tough grease & oil buildup, for hardworking, leaky engines <b>50 State Compliant</b>	<10%	NO	FLAMMABLE	NONE	
FEB1	<b>Engine Degreaser Foamy, 17 oz</b> Cleans dirt, dust & road grime, for engines with plastic covers <b>41 State Compliant</b>	17.1%	NO	NON-FLAMMABLE	CA, CO, CT, DE, MD, NH, NY, RI, UT*	FEB1CA
FEB1CA	<b>Engine Degreaser Foamy, 17 oz</b> Low VOC formula, cleans dirt, dust & road grime, for engines with plastic covers <b>50 State Compliant</b>	<10%	NO	FLAMMABLE	NONE	
HDD17/6	<b>All-Purpose Degreaser Heavy Duty Foam, 17 oz</b> Industrial-strength foaming formula. Low-VOC, water-based formula, cuts through stubborn dirt and oil <b>50 State Compliant</b>	<10%	NO	FLAMMABLE	NONE	
M516	<b>Windshield Washer Solvent w/Anti-Freeze, 16 oz</b> Cleans off smears and bugs, streak free formula with ammonia, helps prevent fluid from freezing, protects down to -25°F <b>50 State Compliant</b>	48.14% (concentrate)	NO	FLAMMABLE	NONE	
M540	<b>Windshield Washer Solvent w/Anti-Freeze, 5 gal</b> Cleans off smears and bugs, streak free formula with ammonia, helps prevent fluid from freezing, protects down to -25°F <b>49 State Compliant</b>	48.14% (concentrate)	NO	FLAMMABLE	CA (due to product packaging size only)	M516
M705	<b>Non-Chlorinated Brake Parts Cleaner, 14 oz</b> Fast drying, leaves no residue, quickly dissolves brake fluid and oil <b>31 State Compliant</b>	85%	NO	EXTREMELY FLAMMABLE	CA, CO, CT, DC, DE, IL, IN, MA, MD, ME, MI, NH, NJ, NY, OH, PA, RI, UT*, VA	M709, M710
M709	<b>Non-Chlorinated Parts Cleaner, 14 oz</b> Low VOC formula, fast drying, quickly dissolves brake fluid and oil <b>50 State Compliant</b>	<10%	NO	EXTREMELY FLAMMABLE	SCAQMD	M710
M710	<b>Non-Chlorinated Brake Parts Cleaner, 14 oz</b> Zero VOC, Complies with SCAQMD Rule 1171, Quickly dissolves brake fluid and oil <b>50 State Compliant</b>	0%	NO	EXTREMELY FLAMMABLE	NONE	
M715	<b>Non-Chlorinated Brake Parts Cleaner, 14 oz</b> Fast drying, leaves no residue, quickly dissolves brake fluid and oil <b>41 State Compliant</b>	44%	NO	EXTREMELY FLAMMABLE	CA, CO, CT, DE, MD, NH, NY, RI, UT*	M709, M710
M720	<b>Chlorinated Brake Parts Cleaner, 19 oz</b> Fast drying, leaves no residue, quickly dissolves brake fluid & oil <b>47 State Compliant</b>	0%	YES	NON-FLAMMABLE	CA, NJ, MT*	M709, M710
M4814	<b>Chlorinated Carburetor Parts Cleaner, 12.5 oz</b> Chlorinated carb & Valve Cleaner, removes gum & varnish <b>39 State Compliant</b>	44%	YES	FLAMMABLE	CA, CO, CT, DE, MD, NH, NJ, NY, MT*, RI, UT*	M4815NC
M4814H	<b>Carburetor Parts Cleaner, 12.5 oz</b> Carb & Valve Cleaner, removes gum & varnish <b>30 State Compliant</b>	75%	YES	EXTREMELY FLAMMABLE	CA, CO, CT, DC, DE, IL, IN, MA, MD, ME, MI, NH, NJ, NY, OH, PA, RI, VA, MT*, UT*	M4815NC
M4815NC	<b>Non-Chlorinated Carburetor Parts Cleaner, 12.5 oz</b> Chlorinated carb & Valve Cleaner, removes gum & varnish <b>50 State Compliant</b>	<10%	NO	EXTREMELY FLAMMABLE	NONE	
M4824	<b>Carburetor Parts Cleaner, 19 oz</b> Carb & Valve Cleaner, removes gum & varnish <b>39 State Compliant</b>	44%	YES	FLAMMABLE	CA, CO, CT, DE, MD, NH, NJ, NY, MT*, RI, UT*	M4815NC
NM1	<b>Electric Motor Contact Cleaner, 20 oz</b> Non-conductive, fast drying, dissolves grease, oil, tar & gum <b>49 State Compliant</b>	0%	YES	NON-FLAMMABLE	MT*	
PCD14T	<b>Instant Parts Cleaner and Degreaser, 14 oz</b> Quickly cleans metal parts, tools and brakes. Ultra-fast dry time, no residue. <b>50 State Compliant</b>	<10%	NO	EXTREMELY FLAMMABLE	SCAQMD	

**MOST RESTRICTED**

California  
Colorado  
Connecticut  
Delaware  
Maryland  
New Hampshire  
New Jersey  
New York  
Utah

**LAOCCO**

Illinois  
Indiana  
Michigan  
Minnesota  
Ohio  
Wisconsin

**OTC**

Connecticut  
Delaware  
District of Columbia  
Maine  
Maryland  
Massachusetts  
New Hampshire  
New Jersey  
Pennsylvania  
Rhode Island  
Vermont  
Virginia

\* Blocked in certain areas of these states. MT - Melfield areas UT - select counties