Frequently Asked Questions

Find answers to frequently asked questions about Gumout® products and their use.

Fuel Additives

I noticed that some of your products contain chemicals known to the state of California to cause cancer and birth defects? Should I be worried if I use your products?

What you are asking is in reference to California's Safe Drinking Water and Toxic Enforcement Act of 1986, better known as Proposition 65. Proposition 65, or Prop 65, affects all products sold or distributed in California. In its simplest form, Prop 65 can be considered a consumer "right-to-know" or product labeling law that informs consumers if significant amounts of certain chemicals are present in a product or its packaging, that may be in their homes, workplaces or that are released into the environment.

It is not a law to prohibit the sale of products, but generally:

- Prop 65 requires the state to publish a list of chemicals that have been scientifically determined to cause cancer or birth defects or reproductive harm,
- The list has currently 800+ chemicals; these can be either synthetic or natural and as a present ingredient in the product or a by-product of a chemical process
- Exposure to these chemicals may be through a variety of routes (ingestion, dermal, etc.)
- If a product contains one or more of the chemicals on the list, then the businesses must notify customers/consumer about their potential presence
- Prop 65 enables Californians to make informed decisions about protecting themselves and the environment from exposure to potentially harmful chemicals

California's regulatory agency, Office of Environmental Health Hazard Assessment (OEHHA) has prepared and recommends the attached "Proposition 65 In Plain Language" as a brief and general explanation of the law and implications.

In addition, here is another link that adds additional insights on this law and may provide knowledgeon how you may personally want to deal with products with this warning.

My vehicle is designed for E-85. Would there be any benefit to running a Gumout product, since my car is designed for E-85?

When running E85 use Gumout® Multi-System Tune-Up added to the fuel. Assuming the vehicle is Flex Fuel and can also run E0 and E10, when these fuels are run, use any of the Gumout® products as needed.

Engine deposits come from both fuel and crankcase, so any type of engine will build deposits and generally show performance improvements from removing those deposits.

Is Gumout safe for yellow metals? I.E. Copper Fuel line? Is Gumout safe for a diaphram style fuel pump with a neoprene diaphram? Is there a gumout product specifically designed for cleaning out fuel lines/fuel tanks that have long since been "Dry" -- as in the issue is less because of gelled gasoline and more grease, dirt, oil possibly that have entered unsealed parts of the system over time?

Gumout is safe for both copper fuel lines and neoprene diaphragms when diluted in fuel. If dirt and grease has entered the fuel line use the new Gumout® Regane Auto Parts Cleaner Degreaser aerosol which has a straw that can reach deep into the lines. If that is not available use Gumout® Jet Spray Carburetor Cleaner. Beginning with the first tank of gas add a high quality fuel system additive to clean areas the spray may not have reached.

Will using a standard isopropyl gasoline dryer product (such as IsoHeet) provide me with the same benefit by getting the water out?

Isopropyl alcohol will pull water into the fuel so it is burned with the gasoline. However, this type of product works when the engine is used continuously. If not, use a product that can offer fuel stability (gum and varnish prevention) and rust and corrosion protection. This is critical for long term storage.

I have converted my stock fuel system to an aftermarket one. The stock gas tank has been replaced by a fuel cell packed with anti-slosh foam and the cell is made out of plastic. The fuel lines are a rubber lined stainless steel braided line. The fuel pump is also an aftermarket unit that can cover the twin turbos thirst. My questions are as follows. Will pump gas cause any problems with the cell foam, the cell itself or the fuel line material over time with the current amount of gas/alcohol mix? I have run E85 before when the fuel system was stock but now can I run E85 again without worry? One last question. Can I use your products and other's like fuel system cleaners without worry. All this comes about from the fact that race fuel cells are made to work with race gas and over a short season not in a daily driver.

All Gumout products are compatible with standard OEM fuel tank components. However, specialty aftermarket or racing components should be tested by the manufacturer. In general if the component is compatible with pump gasoline, it will be compatible with gasoline treated with Gumout®.

If E85 is run in the vehicle the Gumout® product to use is Multi-System Tune-Up. It is designed to be soluble in the high alcohol content of E85. Most other gasoline additives (including Gumout®) are not completely soluble in E85 and may separate from the fuel.

For E0-E10 run any of the Gumout® products. For E85 use Gumout® Multi-System Tune-Up.

Would using your products with E10 fuel be the equivalent of using ethanol free fuel?

No, our products will not remove ethanol from the fuel. We are not aware of any fuel additive that can do this, but many of our products can protect your engine from rust and corrosion caused by phase separation.

I have a classic 60s muscle car with a carburetor that gets stored from November to April every year. It is in a dry garage. Do I have anything to worry about with regards to E-10 pump gas? If so, what products should I be using? Is it better to fill-up before the car goes into storage, or keep the tank close to empty and add fresh fuel in the spring? Any storage tips would be appreciated.

We recommend filling the tank with fresh fuel before storage to displace the air. The tank will still breathe slightly, but the water incursion will be very small. Before filling the tank add Gumout® Multi-System Tune-Up to prevent fuel oxidation (gum and varnish) and corrosion protection (rust and pitting). Run the vehicle to deliver treated fuel to the fuel line and carburetor so these areas are stored in contact with the protective chemistry. Multi-System Tune-Up is an excellent fuel stabilizer.

Doesn't water tend to get in fuel tanks with or without ethanol? Doesn't water tend to get in fuel tanks with or without ethanol? Adding a bit of ethanol or methanol to the fuel tank used to be a standard recommendation for getting rid of accumulated water, since the alcohol acts as a bridging solvent, putting the water in solution so its drawn into the engine and "burned". Stops motorcycle tanks rusting out, which they tend to do along the bottom seam where the water collects. Separate water seems likely to be just as, or more, damaging than water in solution.

Water can condensate in fuel tanks at the station and in your vehicle – the more hot and humid the climate the more this will happen. If the fuel doesn't sit for an extended period of time the ethanol will pull in water where it will be burned up in the combustion process, but when fuel sits, phase separation can set in. If you are constantly running fuel through your system and not letting the vehicle/motorcycle sit, your risk of ethanol/water damage will be low. If you do let it sit, we recommend our Regane, High Mileage Regane and All in One products because they contain rust and corrosion inhibitors that protect against this issue even if water is present in the fuel and our multi-system tune-up product takes it a step

What difference, if any, will I see by using your product in a frequently driven vehicle that uses E10 fuel? About 500 miles a week, 75ish per day.

If you are referring to the impact of using one of our products that can fight the damaging effects of ethanol, then you probably won't see a distinguishable difference because in your instance the fuel doesn't sit long enough to allow phase separation to begin. However, if you are referring to the difference in performance tied to carbon deposit build up, then there are two ways to look at this: 1. all gasolines are going to leave behind deposits including top tier. If you haven't used a high quality fuel additive before and then use one, you will most likely see a difference in increased MPG and acceleration, reduced hesitation, surging and knocking/pinging. A complete fuel system cleaner with a potent detergent such as polyetheamine (P.E.A.) is going to do a better job of cleaning than a lower level of detergent typically found in a fuel injector cleaner. The lower the level the less you will be able to tell a difference. 2. By using a high quality fuel system cleaner as part of your regular maintenance you keep build up from happening in the first place which would keep your performance from dropping off. You could still see an improvement in gas mileage by using one of our products that has a friction modifier in it. All in One complete fuel system cleaner has the highest level of friction modifier in it, followed by high mileage Regane and then our Multi-System Tune-Up. By reducing friction the pistons move more freely which equates to the engine running more efficiently. Think of it like jogging in mud vs on a hard surface – you have to work harder to get through the mud, which tires you out more than running on a hard surface.

I had an issue recently where a gas station accidentally put diesel in the gasoline tanks underground. As a result I had to drain the fuel system in my vehicle and clean up the fuel system parts. After cleaning I fueled up with fresh gas and a bottle of your REGANE product. Will GUMOUT products help remove diesel fuel residue from a gasoline tank/fuel lines?

Yes, keep fresh fuel and Regane in the tank for the next several fill-ups. The Polyetheramine (PEA) detergent in Regane® will help clean-up any deposits or contamination from the fuel and help remove any carbon that may have resulted from the incomplete combustion of the diesel fuel.

Brazilian flex fuels gasoline and alcohol with several content mixtures doesn't phase separate. Why would NA fuels do? What lacks on former fuels to phase separate, ketones?

The high alcohol level in flex fuel pulls the water into the fuel and holds it tightly. Pure alcohol and water will mix to form a clear uniform solution in all concentrations. North American fuels contain only about 10% alcohol, so most of the fuel is hydrocarbon. A small amount of water will mix clearly

into the alcohol and be held within the fuel, but as the water percentage increases, the alcohol-water mixture becomes less soluble in the fuel and forms a separate layer.

Living in South Florida (humid). The fuel level never falls below 1/2 tank on either vehicle. Fill up to full every weekend. Should there be a concern?

Probably not but in hot, humid coastal climates phase separation can begin within a week. If you are constantly driving the vehicle though, the risk is very low.

Will Gumout fuel additives harm oxygen sensors, catalytic converters, hoses, fuel lines or fuel level sensors?

No. When used as directed, Gumout fuel additives will not degrade or harm oxygen sensors, catalytic converters, hoses, fuel lines or fuel level sensors.

How often should I use Gumout fuel additives?

All Gumout fuel additives include specific directions for use. But each product has also undergone rigorous "no harm" testing and can be used as often as every fill-up. Our usage recommendations for each product are based on testing in a number of different vehicle types, though the benefits in your vehicle may vary. For best results, use these products at least as often as recommended on the package label.

Is there a minimum number of gallons Gumout fuel additives treat?

The treatment rates vary depending on the product. All additives have directions on the back label. They may also be used in about the same proportions in smaller fuel tanks. However, any additive added to 2-cycle fuel is treating the gasoline, not replacing the oil. Add the full amount of oil recommended by the engine manufacturer. For clarification or technical assistance, call 1-855-888-1990.

Why do I have to put Gumout fuel additives into a nearly empty tank? What happens if I don't?

Using Gumout fuel additives when your tank is nearly empty facilitates better mixing with the fuel and allows you to get the most from the product chemistry due to longer use at the recommended concentration. If you use a Gumout fuel additive when your tank is full, it will just take longer for the additive to mix thoroughly with your fuel.

Can I double the amount of additive suggested on the label?

While we recommend using our fuel additives as directed, each product has been through rigorous “no harm” testing and may be used as often as every tankful. However, a stronger concentration of the product may not provide any additional performance benefit over the recommended dosage.

I have old product that's been sitting on a shelf for years. Is it still usable?

Most of our products are intended to be used within 1-2 years. We cannot guarantee the performance of our chemical products if older than 4 years.

Is Gumout good for turbo and supercharged engines?

Yes.

Are Gumout fuel additives recommended for use in 2-stroke engines?

Gumout Multi-System Tune-Up is recommended for use in all types of engines. Other Gumout fuel additives may be used at the recommended dilution rate in the gasoline. For example, the 6 oz Regane Complete Fuel System Cleaner treats 21 gallons. To five gallons, use 1.5 oz – or ¼ of the bottle. The rest may be saved for later use or added to a car or truck fuel tank to treat about 15 gallons.

Are Gumout fuel additives recommended for use in small 4-stroke engines typically found in motorcycles, ATVs, lawn mowers, power equipment and other applications?

Gumout Multi-System Tune-Up is recommended for use in all types of engines. But other Gumout fuel additives can also be used in these engines. The treat rate should be ½ oz of Gumout product per gallon of fuel.

Are Gumout fuel additives recommended for use in diesel engines?

Gumout offers two products recommended for use in diesel engines: Diesel Fuel Treatment and Multi-System Tune-Up (formulated for use in gas, ethanol and diesel).

Can I use Gumout fuel additives in a vehicle designed to use E-85 fuel?

While most Gumout fuel additives are not recommended for vehicles designed to use E-85 fuel, Gumout Multi-System is recommended for use in flexible fuel vehicles. It is specifically formulated to work with all types of engines, including gas, ethanol and diesel.

I accidentally put Gumout Diesel Fuel Treatment in my gasoline tank. Will it harm the engine?

No.

Can I clean parts with Gumout fuel additives or use it as a parts-cleaning solution?

Gumout fuel additives are not recommended for use as a parts-cleaning solution. However, Gumout offers a line of maintenance aerosol products for cleaning specific parts of an engine or car and other nonpainted metal surfaces. See specific use instructions on each product.

Can any Gumout product be used in boats?

Yes, Gumout Multi-System Tune-Up is formulated for use in all types of engine, including including gas, ethanol and diesel. Gumout additives do not replace the oil used in 2-cycle fuel and Gumout 2-Cycle Oil (or another specified oil) must also be added at the recommended level.

Should I use the full bottle of Gumout All-In-One in my tank? And can it be used for any car?

Yes. One bottle can be used in any gasoline tank up to 35 gallons.

Can I use Gumout Fuel Injector Cleaner in an engine with a carburetor?

Yes. Carburetor deposits are typically easier to clean than fuel injector deposits, and the chemistry used in the fuel injector cleaner will also effectively clean carburetors.

How much does Gumout Octane Booster increase the octane rating of fuel?

10 octane points = 1 octane level at the gas pump. Gumout Octane Booster increases the octane of fuel by 8 points or by 0.8 levels. Although this may vary depending on the amount of fuel treated and the source of the gasoline itself.

Diesel Additives & Fluids

Is Gumout® All-In-One® Diesel Complete Fuel System Cleaner good for all diesel engines?

Yes, Gumout All-In-One Diesel Complete Fuel System Cleaner works safely in all diesel engines, from vehicles to heavy machinery.

How often should one use Gumout® All-In-One® Diesel Complete Fuel System Cleaner?

Gumout All-In-One Diesel Complete Fuel System Cleaner is best used after every oil change as a part of your vehicle's maintenance schedule. If you live in below freezing temperatures, you may wish to use it more frequently to avoid fuel gelling issues.

What is Nitro-D Power Detergent and how does it work?

Gumout® All-In-One Diesel Complete Fuel System Cleaner contains a robust nitrogen-based detergent called Nitro-D Power Detergent. Nitro-D is the most powerful detergent across the diesel additive market, reliable and proven for the deepest diesel fuel system cleaning of all components. It will also boost power, improve fuel economy, and reduce emissions.

Does Gumout® All-In-One® Diesel Complete Fuel System Cleaner comply with the federal ultra-low sulfur content requirements for use in diesel motor vehicles and non-road engines?

Yes.

What is the diesel fuel treat rate for Gumout® All-In-One® Diesel Complete Fuel System Cleaner?

Use 8 ounces of Gumout All-In-One Diesel Complete Fuel System Cleaner to treat 20 gallons. Use 16 ounces to treat 40 gallons. Use 32 ounces (one full bottle) to treat 80 gallons/302 liters.

How do I safely and accurately measure Gumout® All-In-One® Diesel Complete Fuel System Cleaner?

We recommend using a clean 8 oz cup – one 8 oz cup treats 20 gallons, two 8 oz cups (16 oz) treat 40 gallons, four 8 oz cups (32 oz) treats 80 gallons (302 liters). Throw away the cup properly after usage.

What happens if I accidently use more ounces of Gumout® All-In-One® Diesel Complete Fuel System Cleaner than required to treat my diesel fuel system?

No issues. Using additional ounces of the product will not harm the engine.

What products have you tested Gumout® All-In-One® Diesel Complete Fuel System Cleaner against and what were the results?

Gumout All-In-One Diesel Complete Fuel System Cleaner has been compared to several diesel additive products on the market. Most diesel additive products only deliver limited performance features. For example:

1. Power Service Diesel Fuel Supplement 16 oz only provides anti-gelling, cetane, and detergency.
2. Power Service Diesel Fuel Supplement Plus Cetane 16 oz only provides anti-gelling, cetane, and detergency.
3. Power Service Diesel Kleen Plus Cetane 16 oz only provides cetane, detergency, and lubricity.
4. Lucas Fuel Treatment and Injector Cleaner 5.25 oz only provides detergency and lubricity.

Gumout All-In-One Diesel is a complete Diesel Fuel System Treatment crafted to fight against Diesel engine rough running and to restore the lost power and engine performance.

Is Gumout® All-In-One® Diesel Complete Fuel System Cleaner a product I should only use in winter?

No, Gumout All-In-One Diesel Complete Fuel System Cleaner is an all-season, multifunctional, diesel fuel additives.

What are the key benefits of using Gumout® All-In-One® Diesel Complete Fuel System Cleaner?

Gumout All-In-One Diesel Complete Fuel System Cleaner is a multifunctional diesel fuel additive that cleans the entire diesel fuel system, not just injectors like other diesel additives. For example, it will also clean fuel pumps and high pressure pumps. The product improves fuel economy, improves cold starting, restores power, prevents gelling, boosts cetane, fixes existing gelling, prevents fuel pump

water, increases lubricity, helps stop fuel-filter icing, removes water, reduces emissions, prevents filter plugging, and prevents corrosion. It truly is All-In-One!

Gumout® All-In-One® Diesel Complete Fuel System Cleaner claims to boost cetane. What is cetane and why is it important to boost it?

Cetane is the fuel property that is an inverse function to reduce fuel ignition delay. A fuel treated with Gumout All-In-One Diesel, which contains a good cetane Improver additive, will have a higher cetane number and will perform shorter ignition delay. The benefits include lowering exhaust emissions, reducing noise, and reducing white smoke at start up.

Gumout® All-In-One® Diesel Complete Fuel System Cleaner claims to increase lubricity. What is lubricity and why is it important to increase it?

Lubricity is the fuel property that lubricates the fuel injector and fuel pump to prevent wear in the diesel delivery system. A fuel treated with Gumout All-In-One Diesel, which contains a good Lubricity Improver additive, will have higher lubricity performance.

Gumout® All-In-One® Diesel Complete Fuel System Cleaner claims to prevent gelling. What is gelling and why is it important to prevent it?

When cold, diesel fuel wax crystals can accumulate on fuel filters and restrict fuel flow and promote fuel starvation. That will result in a loss of power, engine stalling, and the inability to restart. A fuel treated with Gumout All-In-One Diesel, which contains a good Cold Flow Improver additive, will have the capability to fight against these cold weather issues by inhibiting the growth of fuel wax crystals, improving fuel cold flow in the fuel delivery system, and fixing these cold weather issues.

Is it best to use Gumout® All-In-One® Diesel Complete Fuel System Cleaner on a full tank or an empty one, or does it really matter?

It does not matter. Just follow the treat rate in the Direction: Use 8 ounces of Gumout All-In-One Diesel Complete Fuel System Cleaner to treat 20 gallons. Use 16 ounces to treat 40 gallons. Use 32 ounces (one full bottle) to treat 80 gallons/302 liters.

Does Gumout® All-In-One® Diesel Complete Fuel System Cleaner work with biodiesel fuel applications?

Yes, it does, up to B20.

What is the biodiesel fuel treat rate for Gumout® All-In-One® Diesel Complete Fuel System Cleaner?

Use 8 ounces of Gumout All-In-One Diesel Complete Fuel System Cleaner to treat 20 gallons. Use 16ounces to treat 40 gallons. Use 32 ounces (one full bottle) to treat 80 gallons/302 liters.

Maintenance Fluids & Aerosols

Can you use Carb/Choke & Parts Cleaner to clean the power valve of a rebuilt 2-cycle motorcycle? And is it safe for aluminum?

Yes, you can use Carb/Choke & Parts Cleaner to clean any metal parts. There won't be any compatibility problems. To be safe, it should be kept away from plastic or painted surfaces. Most will be OK, but not necessarily all of them.

What hazardous level is Carb/Choke & Parts Cleaner?

Level 3

How should I mix Gumout 2-Cycle Oil?

Use Gumout 2-Cycle Oil at the treat rate recommended by the engine manufacturer. Add it to gasoline and mix until uniform before starting the engine. Usually, adding the oil to the tank before pumping in the gasoline will mix it adequately.

Can Gumout DOT 3 Break Fluid be used in all vehicles?

No. Gumout DOT 3 Break Fluid can only be used in vehicles that call for DOT 3 fluid (the most common type). This is generally specified in the owner's manual and on a sticker or label under the hood for the particular vehicle. The proper fluid must be used as specified.