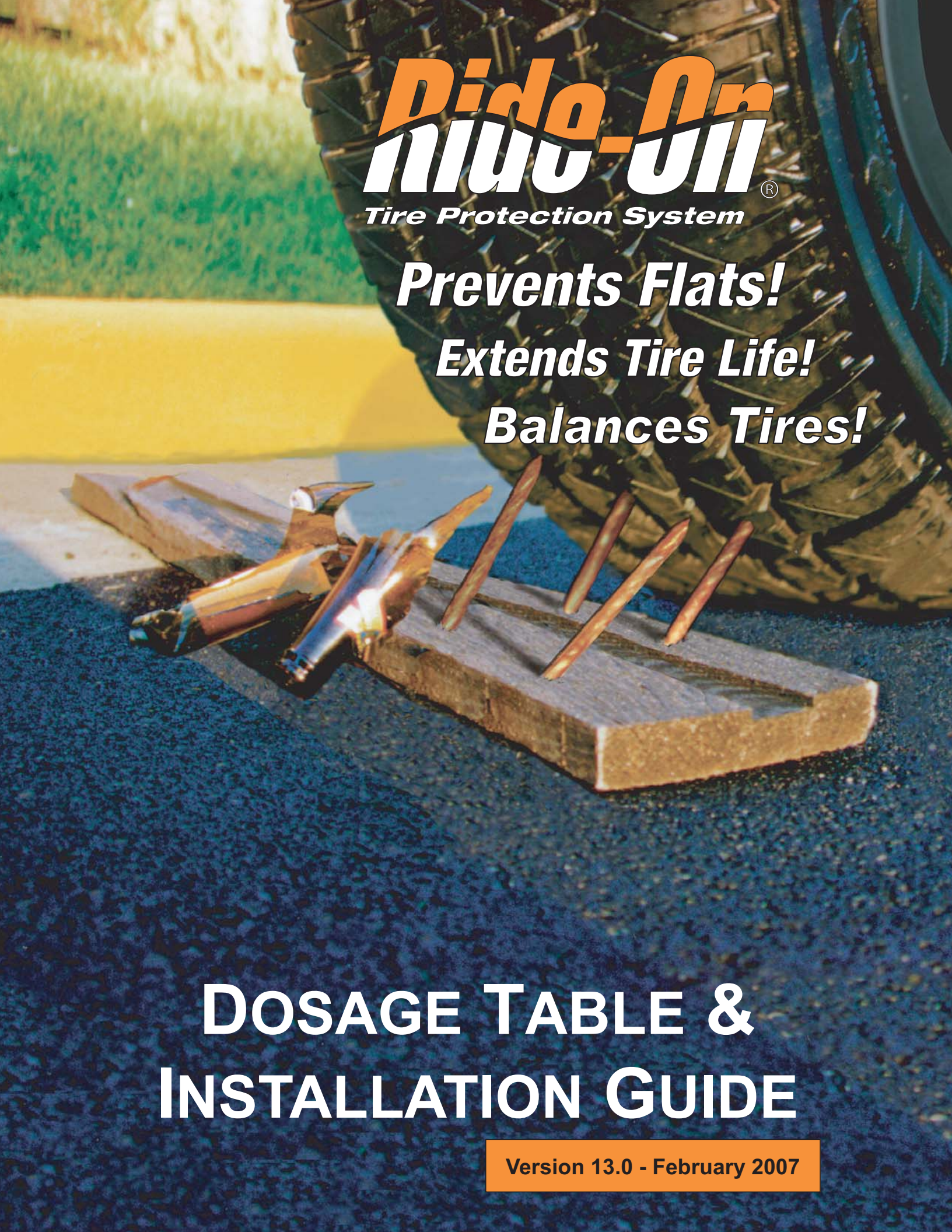




Dido-On
nuu-UII®

Tire Protection System

Prevents Flats!

Extends Tire Life!

Balances Tires!

DOSAGE TABLE & INSTALLATION GUIDE

Version 13.0 - February 2007

RIDE-ON TIRE PROTECTION SYSTEM DOSAGE TABLES

INTRODUCTION:

This latest version of Inovex Industries' Ride-On Tire Protection System (TPS) Dosage Table has been produced to aid in the installation of Ride-On TPS by our dealers and customers. We believe that these are the most comprehensive and complete tire sealant dosage tables produced. Tires are listed according to increasing rim diameter:

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WHAT'S NEW:

Complete Tire Listing

Inovex Industries strives to provide the most complete and comprehensive Dosage Tables on the market. Our engineers are constantly updating our tables, adding new tire sizes and adjusting the dosages to ensure optimum performance. Please contact us at (703) 421-9778, or toll free at 1-888-374-3366 (USA only) should you find a commercially available tire that is not listed in our tables. Our engineers will be happy to assist you in determining the optimum dosage requirements for your applications.

FORMULATIONS:

- Commercial High-Speed (CHS) Formula – For all high-speed vehicles: cars, light trucks, mobile homes, tractors, trailers, roll-offs, street sweepers, buses, delivery trucks, etc. The CHS formula offers protection against flats from objects up to ¼" (6.4 mm) in diameter, helps tires run cooler, and acts as a balancing compound. The CHS formula is ideal for any fleet that would like to improve its pressure maintenance program, ensure that their tires wear more evenly, minimize downtime, and maximize the life of their tires.
- Heavy Duty Off-Road (HD OTR) Formula – Available for off-the-road commercial and industrial vehicles (operating speed less than 30 MPH / 50 Km/H). This industrial strength formula can seal punctures up to 1/2" in diameter in the tread area. Ride-On TPS Off-Road provides extra protection for severe service, and is ideal for all off-road equipment, farm tractors, forklifts, backhoes, construction equipment, mining and logging equipment, bobcats, etc.
- Tire Conditioner & Sealant – Designed to condition casings and help reduce rim corrosion and scale buildup for off-road and agricultural tires. This specially formulated Tire Conditioner and Sealant reduces porosity air loss, helping tires run cooler and extending overall tire life. It also helps seal bead leaks and tread punctures from objects up to ¼" (6.4 mm) in diameter. Ride-On Tire Conditioner and Sealant lowers labor costs by helping with mounting and demounting of off-road and agricultural tires.
- Tire Conditioner & Ballast - Designed to condition casings and help reduce rim corrosion and scale buildup for off-road and agricultural tires. Ride-On Tire Conditioner & Ballast lowers labor costs by helping with mounting and demounting of off-road and agricultural tires.

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- Passenger & Light Truck (PLT) Formula – Exclusively manufactured for passenger and light trucks. The Ride-On PLT formula is the only known product in the world capable of being balanced on dynamic spin balancers. The PLT formula offers excellent protection for cars and light trucks against punctures from objects up to 1/8" (3.2 mm) in diameter.
- Motorcycle Formula – A high-speed formulation for motorcycles, dirtbikes and scooters.
- Ride-On TPS for Bikes (Bike-On™) – Designed especially for bicycles.

REGULAR DUTY & SEVERE DUTY:

Our Dosage Tables include columns for Regular Duty and Severe Duty dosages. The Regular Duty dosages are prescribed for vehicles operating in normal conditions, i.e., vehicles used in non-extreme or mostly on-road environments. The Severe Duty dosages are recommended if a vehicle is expected to encounter a large number of puncturing objects, i.e., construction vehicles, vehicles operating in landfills, street sweepers, etc.

For vehicles in dual use – highway and off-road conditions (i.e. trash hauler delivering to landfills), the Severe Duty dosage is recommended. The Regular Duty dosages are recommended for vehicles designed to operate at high speeds where tire balance is an issue. When tire balance is not a concern, the Severe Duty dosages are recommended.

TUBE TIRES:

The Ride-On Tire Protection System is designed to work in tube and tubeless applications. For tube passenger car and light truck tires (designated LT), it is recommended that you use the Severe dosage. For example, for a P235/75 15 tire, use 21 ounces of the Commercial High-Speed formulation.

Identifying Tires Containing Ride-On

Always identify the tires that contain Ride-On to prevent double treatment. You can mark the tires by using a permanent tire marker, by spray-painting valve stems, or by using Ride-On's special vehicle stickers or o-rings (available through your Ride-On dealer).

Troubleshooting

Air pressure, vehicle weight and centrifugal force are all needed for Ride-On to work effectively. When a puncture does not seal properly, check for the following:

- 1) Lack of sufficient amount of Ride-On TPS;
- 2) Rips, tears, or belt/cord damage;
- 3) Tread separation;
- 4) Valve leaks;
- 5) Oily or lubricated puncturing object;
- 6) Sidewall puncture;
- 7) Puncturing object larger than what the sealant is designed to seal;
- 8) Contamination of Ride-On inside of the tire due to excessively wet air source and/or contaminants inside tire;
- 9) Puncturing object has been in tire for a long time. If an object has been in a tire for a long time, the rubber takes the shape of the object. This occurs because rubber loses elasticity, and when the object is removed, an open hole remains instead of a closed injury. This is one reason why it is so important to check tires regularly for puncturing objects. To help seal such a puncture, re-air tire and drive until tire warms up. This will aid in the tire regaining elasticity. The re-airing/driving process may need to be repeated up to three times.
- 10) Was the vehicle driven (minimum 3 miles for on-the-road vehicles) once the object was removed? If the vehicle is not driven immediately, the tire may lose air pressure and the puncture may not seal properly.

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- 11) Was Ride-On used as an after-the-fact repair? Ride-On TPS is designed to be used as a preventative, and is not recommended for use in applications where the tire has been punctured. If Ride-On is added to a tire after an object has already punctured the tire:
- Object Still in Tire: DO NOT REMOVE OBJECT! If the object is still lodged in the tire, pump the severe dosage requirement of Ride-On into the tire. Drive the vehicle for a minimum of 5-7 miles to ensure complete distribution of product. Remove object and drive the vehicle at least 2-3 more miles. Make sure to re-air the tire as necessary to avoid driving on a flat tire. The re-airing/driving process may need to be repeated up to 3 times before the puncture is sealed.
 - If the object is no longer in the tire: Pump the severe dosage requirement of Ride-On into the tire. Drive the vehicle for a minimum of 5-7 miles to ensure complete distribution of product. Re-air tire and drive until tire warms up. This will aid in the tire regaining its elasticity. The re-airing/driving process may need to be repeated up to 3 times before the puncture is sealed.

Vibration and Other Ride Disturbances

It is important to recognize that not all vehicle vibrations are related to tire balance. The following are some of the reasons that a tire may be vibrating in an up-and-down direction: 1) out-of-round tires or wheels; 2) flat spots on tires; 3) worn shock absorbers, struts, ball joints, kingpins; 4) shifted tire belts; 5) mismounted tire/wheel assembly; 6) excessive tire/wheel assembly run-out. If the tire is vibrating from side-to-side (wobbling), look for the following potential causes: 1) bent wheels; 2) bent axles; 3) improper wheel installation; 4) loose or damaged wheel bearings; 5) loose front end components.

If the Severe Duty dosages or the Off-Road Formula is used, you may experience some vibration in high-speed vehicles.

Precautions, Handling, Spill & Waste Disposal

Use absorbent material to soak up small spills. Dispose of waste material in accordance with local, state and federal regulations. Maintain good shopkeeping practices. When working with pressurized air sources, ALWAYS WEAR SAFETY GLASSES. KEEP THIS PRODUCT OUT OF THE REACH OF CHILDREN. Ride-On TPS contains ethylene glycol. If ingested, consult a physician immediately. For further guidance, refer to Material Safety Data Sheet (MSDS) at the back of this manual.

Installation of Ride-On TPS Using Metered Hand Pumps

Ride-On TPS is ready to use. It requires no mixing, shaking, or stirring. Be sure to have an air compressor to re-inflate the tire after Ride-On installation is completed.

The quickest and easiest time to install Ride-On is during a tire mount-up. You can install Ride-On either into the tire casing or through the valve stem (remove valve core first) prior to airing up the tire. The additional time required to treat a tire under this scenario is less than 2 minutes, as the time required for normal mounting and airing of tires is unaffected.

Always identify the tires that contain Ride-On to prevent double treatment. You can mark the tires with a permanent tire marker, by spray-painting the valve stems, or by using Ride-On's O-rings. Alternatively, you can mark the vehicle using Ride-On trailer or tractor stickers, which are available at nominal cost.

Always wear eye protection when working with pressurized tires!

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Ride-On (TPS)™ metered hand pumps and tools are designed to to the highest engineering standards to allow a user to easily pump Ride-On™ TPS tire sealants into tires against pressures of up to 60 psi. Each hand pump is calibrated to accurately pump from one to ten ounces of Ride-On™ TPS per pump stroke, and allows the operator to adjust the volume in one ounce increments. When installed during mount-up, you can treat a medium truck tire with Ride-On™ in less than 2 minutes.

Features

- Six feet of reinforced hose - Withstands pressures up to 300 psi and allows for mobility and reach. Drum Pumps are supplied with ten feet of hose.
 - Quick-connect chuck - Allows the pump hose to be attached to the valve stem securely without the need to deflate the tire.
 - Built to last - Hand pumps have anodized aluminum pump bodies, stainless steel ball check valves, special internally lubricated o-rings for smoother operation, and heavy-duty nylon handles and pistons, and aluminum pump shafts for years of trouble-free service.
 - Easy to maintain - Hand pumps have been designed to be easily dismantled for cleaning and servicing without the need for tools.
 - Optional tool kit - Everything needed to install Ride-On TPS in single or dual wheel axles is included with the optional pump Tool Kit. The Tool Kit is supplied with 2 valve core tools, 2 injection adapter tools, and a 40-page "Dosage Table and Installation Instructions Manual".
 - Configured for your needs - The optional Tool Kit is available with our 5-gallon pail or 55-gallon drum Hand Pumps.
- HP-100 - Motorcycle Hand Pump with motorcycle chuck.
 - HP-200 - 5-Gallon pail Hand Pump.
 - HP-300 - 5-Gallon pail Hand Pump and Tool Kit.
 - HP-400 - 55-Gallon drum Hand Pump and Tool Kit.
 - HP-500 - 55-Gallon drum Hand Pump.



HP-400 - 55-Gallon Drum Hand Pump & Tool Kit



Optional Tool Kit

Installation Using 5-Gallon Pail Metered Hand Pump

1. Pull up and remove the clear plastic tab from the large opening on the top of the pail.



2. Unscrew the black cap on the pail lid. It has recessed tabs on the sides of the cap that can be raised to aid in removal.



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3. Pull and remove the inner seal from the plastic tube.



4. Remove the cap from the small valve fitting on the side of the pail. This fitting is used to re-circulate Ride-On.



5. Attach the quick-connect chuck at the end of the pump hose onto the valve fitting located on the side of the pail just below the lid.



6. Push the body of the pump into the opening all the way down to the bottom of the pail. DO NOT cut the sleeve.

Pull the pump handle all the way up as high as it will go and then push it back down. This will 'bleed' the air out of the hose as the product is circulated back into the pail.

Always store the pump with the hose connected to the small fitting, and always re-bleed the hose if the product has not been used for a while.



7. One complete pump stroke with the locking collar locked right below the handle will install 10 ounces of Ride-On.

To install less than 10 ounces per stroke, line up the top of the locking collar with the hash marks on the pump shaft and lock in place using thumbscrew. You should be able to read the corresponding marked numbers above the collar. The pump shaft is marked in one-ounce increments.



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8. Rotate the tire into which Ride-On is to be installed so that the tire stem is between the 3 and 9 o'clock position (bottom half of the tire). Use a valve core remover tool to unscrew and remove the valve core from the tire valve stem. The lower the tire pressure, the easier it is to install the product (60 psi or less). Quickly connect the hose to the valve stem by pushing the quick connect fitting onto the valve stem. Pump the required dosage of Ride-On into the tire.

Remove the quick connect chuck and re-install the valve core into the valve stem. **Do not over tighten the valve core.** Inflate the tire to the vehicle manufacturer's recommended tire inflation pressure.



Installation Using 55-Gallon Drum Metered Hand Pump

1. Remove bung cap with NPT thread (does not have valve fitting).
2. Remove the cap from the small valve fitting on the other bung cap. This fitting is used to re-circulate Ride-On.
3. Attach the quick-connect chuck at the end of the pump hose onto the valve fitting located on the bung cap.
4. Push the body of the pump into the bung opening and tighten the pump bung adapter.



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5. Pull the pump handle all the way up as high as it will go and then push it back down. This will 'bleed' the air out of the hose as the product is circulated back into the drum. Always store the pump with the hose connected to the small fitting, and always re-bleed the hose if the product has not been used for a while.



6. Rotate the tire into which Ride-On is to be installed so that the tire stem is between the 3 and 9 o'clock position (bottom half of the tire). Use a valve core remover tool to unscrew and remove the valve core from the tire valve stem. Lower tire pressure to 60 psi or less.



7. Quickly connect the hose to the valve stem by pushing the quick-connect fitting onto the stem. One complete pump stroke with the locking collar locked right below the handle will install 10 ounces of Ride-On.

To install less than 10 ounces per stroke, line up the top of the locking collar with the hash marks on the pump shaft and lock in place using thumbscrew. You should be able to read the corresponding marked numbers above the collar. The pump shaft is marked in one-ounce increments.



8. Remove the quick connect chuck and re-install the valve core into the valve stem. **Do not over tighten the valve core.** Inflate the tire to the vehicle manufacturer's recommended tire inflation pressure.

Please note: It is **NOT necessary** to immediately drive the vehicle. Once the vehicle is driven, Ride-On TPS is evenly dispersed over the entire tread area of the inner surface of the tire. Do not be concerned with any initial vibrations. Until Ride-On TPS has completely coated the inside of your tires, you may experience slight vibration. To avoid wheel balance problems, it is critical that the correct amount of Ride-On TPS is installed for your tire size.

Ride-On TPS is a stable compound that can be stored in its original closed container for up to 3 years. Please store Ride-On indoors or out of direct sunlight. Once a pail has been opened, it is very important to keep the Ride-On in an airtight environment. This can be accomplished by connecting the quick connect on the pump hose to the pail return spout. If the product is to be stored for prolonged periods (more than four weeks), it is recommended that the pump be rinsed with water and the black plastic cap be replaced (step 2).

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Installation of Ride-On TPS Using ROTIS Pump

Please ask your Ride-On Representative for a copy of the ROTIS installation instructions.

ROTIS™ (Ride-On Tire Injection System) is a pneumatic drum pump designed to install Ride-On TPS tire sealants into tires without the need to deflate them. The air that's in the tire stays in the tire – which means the job gets done faster. Whether you are on a service call, in the yard, or working in a service bay, ROTIS™ will save you time and money.

With ROTIS™, you accurately inject Ride-On into fully pressurized tires (up to 115 psi), on or off your vehicles, up to 50 feet away from the product source. No more hand pumping. And, no more wasted time reinflating tires. You can remotely reset the pump for installation in multiple tires without needing to walk back to the control panel. Controls are where you need them – at your fingertips. ROTIS™ includes its own air line for inflating any tire. There's no need to run separate air lines. Quality. Durability.

Features

Fast, accurate and efficient. Just set the meter to the desired dosage and the ROTIS pump does the rest – shutting off when the desired amount is installed. Now, it's possible to install Ride-On into an 11R22.5 tire at 100-psi in less than 30 seconds.

In field tests under rigorous, real-world working conditions, ROTIS pumps turned more than 10 million cycles and are still running!

ROTIS is supplied with everything you need:

- 50-foot, 3/4" steel reinforced, high-pressure product installation hose.
- 50-foot, 3/8" high-pressure industrial air hose.
- Quick-connect installation tools for dual-wheel assemblies.
- 2 valve core removal tools, dosage table and installation manual.



Specifications

- Each pump is calibrated to insure trouble-free operation, reliability and accuracy.
- Maximum inlet pressure 160 psi. No electrical hookup required
- Stall-free, ice-free motor design requires absolutely no mechanical assist devices such as trip rods or push pins.
- All wetted materials (cylinder/plunger) are made of 316 stainless steel for years of trouble-free operation.
- The pump housing is made of 304 stainless steel.
- One year Limited Warranty (refer to Limited Warranty description for
- Manufactured and assembled in the USA. Patent pending.



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General Questions

Q: What is Ride-On Tire Protection System?

A: The **Ride-On Tire Protection System (TPS)** is a high-tech tire sealant specially formulated to prevent leaks, seal punctures, and extend tire life. **Ride-On TPS** is designed to seal most punctures in the tread area of the tire caused by nails, screws, thorns, road debris – any perforating object up to 1/4" (6.35 mm) in diameter. **Ride-On TPS** tire sealant also eliminates porosity leaks and reduces the rate of detrimental oxidation inside the tire. **Ride-On TPS** helps your tires maintain proper inflation and run cooler – the result of constant air pressure and heat reduction mean increases in tire life of up to 25% or more (of course, this is critically dependent on how and where you drive your vehicle). Another benefit of using **Ride-On TPS** is that it helps stop slow leaks from the moment they start; helping tires stay properly inflated, and last longer. A vehicle equipped with **Ride-On** tire sealant will benefit from better handling, better fuel economy, longer lasting tires, and most importantly, a safer ride.

Q: Who are some of the users of Ride-On TPS?

A: Inovex Industries takes pride in providing the most advanced tire sealant formulas available on the market. **Ride-On TPS** is the result of more than 11 years of research and rigorous field-testing. It has been tested and used by the military, the US Postal Service, police and fire departments, construction companies, commercial fleets and independent testing laboratories. The **Ride-On TPS** tire sealant has been proven effective in the most demanding situations.

Q: How does Ride-On TPS affect tire life?

A: The **Ride-On TPS** tire sealant can extend the useful life of tires by up to 25% or more. Heat caused by friction, amplified by underinflation, is one of the primary causes of tire failure. As a tire's temperature increases, the rate of oxidation and subsequent polymerization resulting in stiffness and chemical degradation also increase. **Ride-On TPS** also helps eliminate porosity leaks and reduces the rate of detrimental oxidation. **Ride-On TPS** also helps hydrodynamically balance tires, resulting in more uniform tire wear and reduction in vibration – both of which cause heat buildup.

Technical Questions

Q: Does Ride-On Tire Protection System react chemically with tires or wheels?

A: No. **Ride-On TPS** tire sealant is chemically inert, and will not react negatively with tires or wheels.

Ride-On TPS contains corrosion inhibitors that protect steel, aluminum, yellow metals as well as wheels and tire belts against corrosion. **Ride-On TPS** tire sealant can easily be washed out of tires with water. It will not affect the use of patches or other tire repairs if necessary. **Ride-On TPS** actually helps preserve tire casings, making retreads more effective.

Q: Is Ride-On TPS Hazardous?

A: **Ride-On TPS** is not considered to be a hazardous material as defined by the US EPA and DOT. **Ride-On TPS** is biodegradable, non-flammable, and non-explosive. Please refer to the Material Safety Data Sheet (MSDS) and Environmental Impact Testing Report for more details.

Q: Is the Ride-On TPS water dispersible?

A: Yes. Since there is no chemical bonding of **Ride-On TPS** tire sealant to the tire, it can be easily washed out of a tire with water. In fact, **Ride-On TPS** is more than 95% water-soluble. This is particularly important to our fleet and commercial clients that wish to retread their tire casings. **Ride-On TPS** contains ethylene glycol, which is commonly used in antifreeze and in cooling and heating systems. Good industrial hygiene work practices should be used when installing or removing **Ride-On** (Please refer to the Material Safety Data Sheet). Please refer to your federal, state, or local regulations for disposing or recycling of glycol-based products.

Q: What if we install in wheels that are rusted?

A: **Ride-On** should be installed in rims that are in good condition or refurbished by powder coating. Otherwise, **Ride-On** will bind to any rusted surface to prevent the rust from spreading. However, this rust will also contaminate the product and cause it to break down and become less effective. The color of the product will also change to a reddish hue.

Performance Questions

Q: How does Ride-On Tire Protection System seal a hole in the tread of the tire?

A: As the tire rotates, the tire pressure and centrifugal force draw **Ride-On TPS** to the puncture. As the tire flexes and the hole is expanded, the proprietary formulation containing aramid fibers that are six times stronger than steel enter the puncture cavity. **Ride-On TPS** also contains corrosion inhibitors that protect steel and aluminum wheels and tire belts against rust.

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Q: Do nails or other puncturing objects in the tire need to be removed even though the Ride-On TPS has prevented a flat?

A: Yes. Although the **Ride-On TPS** has effectively sealed around the penetrating object, if left in the tire, the object will shift around as the tire rotates and will eventually create a larger hole, and can potentially cause further damage to the tire. If the object is a screw, you must unscrew it. Yanking or pulling will tear the rubber and possibly the tire's steel belts. Also, remember that you must drive the vehicle after pulling out the puncturing object. If the puncturing object has been left in the tire for a long time, it might take some time for the puncture cavity to close (rubber has memory, and it conforms to the shape of the puncturing object), and the tire may temporarily lose some air until it is sealed.

Q: Will Ride-On TPS seal a puncture in the sidewall of the tire?

A: No. **Ride-On TPS** is not recommended for fixing sidewall damage. A puncture in the sidewall of a tire treated with Ride-On will likely continue to leak air. No sealant can effectively seal sidewall punctures, regardless of what some manufacturers may claim. Inspect your tires regularly. In case of a cut, impact break, bruise, sidewall damage or continued air loss, have the tire inspected by a professional tire care specialist. Check your tire pressure per your tire manufacturer's recommendations when the tires are cold.

Q: Does the vehicle need to be driven after a penetrating object has been removed?

A: Yes. **Ride-On TPS** coats the inner surface of the tire. As the tire rotates, the tire pressure and centrifugal force push **Ride-On TPS** to the puncture. As the tire flexes and the hole expands, the fibers enter the puncture cavity. The fibers form a flexible plug similar in action to that of a beaver dam. If the vehicle is not driven, there will not be any centrifugal force or tire flexing to aid **Ride-On TPS** to enter and seal the puncture cavity.

Q: What is the effectiveness and coverage area of Ride-On TPS?

A: **Ride-On TPS** covers crown of the tire. **Ride-On TPS** will not cover the outside 1/2" to 1" of a tire closest to the shoulder areas. This area of a tire is outside of the belt package and is a flex point. Tire manufacturers do not recommended using conventional repairs to fix punctures in these areas. You should have the tire inspected by a professional to determine if a conventional plug and patch repair

or a section repair is necessary. For further information refer to your tire manufacturer's repair manual (i.e., Goodyear's Radial Truck Tire and Retread Service Manual). Using **Ride-On TPS** does not guarantee that you will never get any flat tires. Our effectiveness in sealing punctures in the crown of the tire is 85-95% in tubeless tires, and 55-65% in tube tires. Tubes have a tendency to tear or rupture when punctured.



Q: Can Ride-On TPS be used in a tube tire?

A: Yes. **Ride-On TPS** has been proven effective for sealing punctures from objects up to 1/8" diameter that penetrate the tubes. However, since puncturing objects sometimes tear the tube, there may be occasions that the tube will continue to leak. It is vital to remove the puncturing object immediately from a tire containing a tube to prevent further damage to the tube.

Q: How many punctures can a single treatment of Ride-On TPS seal?

A: **Ride-On TPS** will seal multiple punctures that penetrate the crown area of the tire. The number of punctures that can be sealed cannot be predetermined as factors such as the tire size and age, tread pattern, puncture size, tire air pressure, tire temperature, and vehicle speed can affect the results.

Q: What about using Plugs or Patches to fix flat tires?

A: A plug by itself is an unacceptable repair. The repair material used – for example, a "combination patch and plug" repair – must seal the inner liner and fill the injury to be considered a permanent repair. Never use a tube in a tubeless tire as a substitute for a proper repair. **Ride-On TPS** repairs punctures for the life of the tire because it seals the puncture cavity from inside to the outside. Ride-On TPS will not

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interfere with the use of conventional plugs and patches in tires.

Warranty & Insurance Questions

Q: Is Ride-On Tire Protection System tire sealant covered by product liability insurance?

A: Yes. **Ride-On TPS** has product liability insurance with the Hartford Group.

Q: How does Ride-On TPS affect the tire manufacturer's warranty?

A: **Ride-On TPS** is an inert tire sealant that does not attack or damage tires or wheels. **Ride-On TPS** contains corrosion inhibitors to help protect steel or aluminum wheels and tire belts from rust. **Ride-On TPS** has obtained letters from Bridgestone, Firestone, Continental, General Tire, Yokohama, Michelin, Goodyear and Toyo Tires stating that the use of **Ride-On TPS** does not void their warranties, unless the damage to the tire or wheel has been caused by the sealant.

Q: What Warranty does Ride-On TPS offer to its customers?

A: Inovex Industries, Inc. warrants **Ride-On TPS** to be free from manufacturing defects. The Company shall not be liable for any consequential or other damage or remedy. The Company's sole obligation and your exclusive remedy are limited to product replacement.

Inovex Industries, Inc. expressly disclaims all other warranties and/or conditions, whether express or implied, including but not limited to the implied warranties and conditions of merchantability, satisfactory quality, and fitness for a particular purpose. Inovex Industries shall not under any circumstance be liable for towing expenses, tire repair or replacement expenses, or for any claims or damages, including any special, incidental, or consequential damages, or any damage to tires wheels, vehicles, drivers, passengers, or any other entities or property arising from operating a vehicle, failing to inspect or maintain tires properly, or failing to follow instructions for the proper handling of punctures and other damage to tires.

Installation Questions

Q: How often should the wheel balance be checked?

A: **Ride-On TPS** is designed to hydrodynamically balance tire/wheel assemblies, thus reducing tire imbalance and vibrations. These vibrations increase the tire's operating temperature and promote irregular

tread wear. This feature is especially useful for fleets that do not balance the tires on their Class 3-8 vehicles and trailers. Many trucking fleets are switching from conventional tire balancing powders to **Ride-On TPS** to help them balance their truck tires and to help them with their pressure maintenance programs. Our long haul customers have reported tire life improvements of up to 25% or more.

Q: Can Ride-On TPS be used only in new tires?

A: No. **Ride-On TPS** can be used in new and old tires.

Q: Can Ride-On TPS plug the tire valve as it is being inserted?

A: Very Rarely. Sometimes when **Ride-On TPS** is being pumped into the tire, the fibers used to seal punctures, will enter the valve stem opening in such a manner as to create a blockage. If this occurs, remove the connector of the pump from the valve stem, and inject a short burst of air to clear the tire stem passageway, then reattach the hose connector and continue pumping. A paper clip or similar object can also be used to help clear the valve stem.

Q: Can Ride-On TPS plug the tire valve when the tire pressure is being checked?

A: When the proper dosage of **Ride-On TPS** is installed, almost never. The centrifugal force of the rotating tire forces **Ride-On** away from the valve stem and unto the tire. However, in the rare occasion when some **Ride-On TPS** gets into the valve, it is recommended that a short burst of air be injected into the tire to clear any sealant coating the inner surface of the valve stem.

Q: Does a tire need to be completely deflated prior to using the Hand Pump to install Ride-On TPS?

A: No. The hand pump can pump against tire pressures as high as 60 psi, but it is recommended to reduce the pressure to as low as possible.

Ride-On Tire Protection System (TPS) Dosage Table

No.	Tire Size Designation	Formula	Regular oz. (Units)	Severe oz. (Units)
1	2.80-4	HDOTR	5	8
2	9X3.50-4	HDOTR	5	8
3	4.10-4	HDOTR	8	12
4	11X4.00-4	HDOTR	8	12
5	12X5.00-4	HDOTR	9	14
6				
7	3.40-5	HDOTR	7	11
8	3.40/3.00-5	HDOTR	7	11
9	4.10-5	HDOTR	9	14
10	11X4.00-5	HDOTR	8	12
11	11X6.00-5	HDOTR	10	15
12				
13	4.00-6	HDOTR	8	12
14	4.10-6	HDOTR	9	14
15	4.10/3.50-6	HDOTR	9	14
16	5.30/4.50-6	HDOTR	12	18
17	5.30-6	HDOTR	14	21
18	8.00-6	HDOTR	20	30
19	13X5.00-6	HDOTR	11	17
20	13X6.00-6	HDOTR	15	23
21	13X6.50-6	HDOTR	15	23
22	14X4.50-6	HDOTR	10	15
23	14X8-6	HDOTR	21	32
24	15X5.00-6	HDOTR	12	18
25	15X6.00-6	HDOTR	16	24
26	15X6.50-6	HDOTR	8	12
27	15X7-6 ATV	CHS/HDOTR	9	14
28	145/70-6	HDOTR	7	11
29				
30	16X8-7 ATV	CHS/HDOTR	9	14
31	17X7-7 ATV	CHS/HDOTR	10	15
32	18X8-7 ATV	CHS/HDOTR	12	18
33				
34	4.00-8	HDOTR	13	20
35	4.80-8	CHS	6	8
36	4.80/4.00-8	CHS	5	6
37	4.80/440-8 TR	CHS	4	5
38	5.00-8	HDOTR	18	27
39	5.30-8	HDOTR	18	27
40	5.70-8	CHS	7	9
41	5.70-8	HDOTR	20	30
42	16X5.50-8	HDOTR	17	26
43	16X6-8	HDOTR	15	23
44	16X6.50-8	HDOTR	16	24
45	16.5X6.50-8	HDOTR	19	29
46	16X7.50-8	HDOTR	22	33
47	18X6.50-8	HDOTR	21	32
48	18X7-8	HDOTR	23	35
49	18X7.50-8	HDOTR	21	32
50	18X8.50-8	HDOTR	23	35
51	18X9-8	HDOTR	31	47
52	18X9.50-8	HDOTR	31	47
53	18X10-8 ATV	CHS/HDOTR	16	24
54	18X11-8 ATV	CHS/HDOTR	17	26
55	18.5X8.50-8	HDOTR	28	42
56	19X7-8	HDOTR	20	30
57	19X8-8 ATV	CHS/HDOTR	13	20

Ride-On Tire Protection System (TPS) Dosage Table

No.	Tire Size Designation	Formula	Regular oz. (Units)	Severe oz. (Units)
58	19X9-8 ATV	CHS/HDOTR	15	23
59	19X9.50-8	HDOTR	33	50
60	20X7-8 ATV	CHS/HDOTR	12	18
61	20X8.00-8	HDOTR	15	23
62	20X9-8 ATV	CHS/HDOTR	16	24
63	20X10-8 ATV	CHS/HDOTR	21	32
64	20X11-8 ATV	CHS/HDOTR	19	29
65	21X9-8 ATV	CHS/HDOTR	16	24
66	21X10-8 ATV	CHS/HDOTR	18	27
67	21X11-8 ATV	CHS/HDOTR	20	30
68	21X11.00-8	HDOTR	36	54
69	21X12-8 ATV	CHS/HDOTR	22	33
70	22X9-8 ATV	CHS/HDOTR	17	26
71	22X10-8 ATV	CHS/HDOTR	21	32
72	22X10.00-8	HDOTR	39	59
73	22X11-8 ATV	CHS/HDOTR	21	32
74	22X11.00-8	HDOTR	38	57
75	22X12-8	HDOTR	17	26
76	22.5X10.00-8	HDOTR	34	51
77	23X10-8 ATV	CHS/HDOTR	20	30
78				
79	4.00-9	HDOTR	12	18
80	5.30-9	HDOTR	19	29
81	6.00-9	HDOTR	25	38
82	6.90-9	HDOTR	28	42
83	18X11-9 ATV	CHS/HDOTR	17	26
84	20X7-9 ATV	CHS/HDOTR	12	18
85	20X10-9 ATV	CHS/HDOTR	18	27
86	20X11-9 ATV	CHS/HDOTR	19	29
87	21X8-9 ATV	CHS/HDOTR	17	26
88	21X9-9 ATV	CHS/HDOTR	20	30
89	21X11-9 ATV	CHS/HDOTR	19	29
90	22X7-9 ATV	CHS/HDOTR	13	20
91	22X8-9	HDOTR	14	21
92	22X10-9 ATV	CHS/HDOTR	19	29
93	22X11-9 ATV	CHS/HDOTR	21	32
94	23X11-9 ATV	CHS/HDOTR	21	32
95	24X13-9 ATV	CHS/HDOTR	27	41
96	25X11-9 ATV	CHS/HDOTR	24	36
97	25X12-9 ATV	CHS/HDOTR	26	39
98	25X13-9	HDOTR	27	41
99				
100	6.50-10	HDOTR	31	47
101	7.50-10	HDOTR	38	57
102	9.00-10	HDOTR	48	72
103	15L-10	HDOTR	76	114
104	205/50-10	HDOTR	23	35
105	18X8.00-10	HDOTR	22	33
106	18X8.50-10	HDOTR	24	36
107	18X9.50-10	HDOTR	25	38
108	18X10-10 ATV	CHS/HDOTR	16	24
109	18X10.50-10	HDOTR	16	24
110	18X11-10 ATV	CHS/HDOTR	17	26
111	19X6-10 ATV	CHS/HDOTR	10	15
112	20X7-10 ATV	CHS/HDOTR	12	18
113	20X7.50-10	HDOTR	27	41
114	20X8-10 ATV	CHS/HDOTR	14	21

Ride-On Tire Protection System (TPS) Dosage Table

No.	Tire Size Designation	Formula	Regular oz. (Units)	Severe oz. (Units)
115	20X10-10 ATV	CHS/HDOTR	20	30
116	20X11-10 ATV	CHS/HDOTR	19	29
117	20X12.00-10	HDOTR	37	56
118	20.5X8.0-10	HDOTR	30	45
119	21X7-10 ATV	CHS/HDOTR	15	23
120	21X8-10 ATV	CHS/HDOTR	16	24
121	21X9-10	HDOTR	15	23
122	21X10-10 ATV	CHS/HDOTR	19	29
123	21X11.00-10	HDOTR	19	29
124	22X7-10 ATV	CHS/HDOTR	13	20
125	22X8-10 ATV	CHS/HDOTR	16	24
126	22X8.00-10	HDOTR	28	42
127	22X9-10 ATV	CHS/HDOTR	17	26
128	22X9.50-10	HDOTR	18	27
129	22X10-10 ATV	CHS/HDOTR	19	29
130	22X11-10 ATV	CHS/HDOTR	21	32
131	22X11.00-10	HDOTR	38	57
132	23X7-10 ATV	CHS/HDOTR	14	21
133	23X8-10 ATV	CHS/HDOTR	19	29
134	23X9-10 ATV	CHS/HDOTR	21	32
135	23X10-10	HDOTR	19	29
136	24X9.50-10	HDOTR	21	32
137	24X10.50-10	HDOTR	23	35
138	24X11.00-10	HDOTR	42	63
139	24X11.5-10	HDOTR	43	65
140	24X12.00-10	HDOTR	45	68
141	25X8-10 ATV	CHS/HDOTR	17	26
142	25X11-10 ATV	CHS/HDOTR	23	35
143	25X12-10 ATV	CHS/HDOTR	26	39
144	27X9-10	HDOTR	47	71
145	27X15-10	HDOTR	76	114
146				
147	22X7-11 ATV	CHS/HDOTR	12	18
148	23X8-11 ATV	CHS/HDOTR	16	24
149	23X9-11 ATV	CHS/HDOTR	17	26
150	23.5X8-11 ATV	CHS/HDOTR	15	23
151	24X8-11 ATV	CHS/HDOTR	17	26
152	24X9-11 ATV	CHS/HDOTR	19	29
153	24X10-11 ATV	CHS/HDOTR	21	32
154	24.5X8-11 ATV	CHS/HDOTR	17	26
155	25X8-11	HDOTR	17	26
156	25X10-11	HDOTR	23	35
157				
158	4.00-12	HDOTR	17	26
159	4.80-12	CHS	6	8
160	4.80-12	HDOTR	18	27
161	5.-12	HDOTR	16	24
162	5.30-12	CHS/MOT	5	8
163	5.30-12	HDOTR	21	32
164	5.70-12	HDOTR	24	36
165	6.-12	HDOTR	21	32
166	7.-12	HDOTR	26	39
167	7.00-12	HDOTR	38	57
168	ST145/R12	CHS	19	24
169	145/80 12	CHS	5	6
170	155/80 12	CHS	5	6
171	205/80-12	HDOTR	30	45

Ride-On Tire Protection System (TPS) Dosage Table

No.	Tire Size Designation	Formula	Regular oz. (Units)	Severe oz. (Units)
172	165/70 12	CHS	6	8
173	255/65-12	HDOTR	37	56
174	270/60-12	HDOTR	41	62
175	22X7.50-12	HDOTR	30	45
176	22X9.50-12	HDOTR	30	45
177	23X8-12 ATV	CHS/HDOTR	16	24
178	23X8.50-12	HDOTR	35	53
179	23X9.50-12	HDOTR	39	59
180	23X10-12	HDOTR	43	65
181	23X10-12 ATV	CHS/HDOTR	24	36
182	23X10.50-12	HDOTR	44	66
183	23.5X8.50-12	HDOTR	36	54
184	23.5X11-12	HDOTR	48	72
185	24X8-12	HDOTR	30	45
186	24X9-12	HDOTR	33	50
187	24X9.50-12	HDOTR	36	54
188	24X10.50-12	HDOTR	38	57
189	24X11-12	HDOTR	39	59
190	24X12-12	HDOTR	53	80
191	24X13.00-12	HDOTR	47	71
192	25X8-12 ATV	CHS/HDOTR	17	26
193	25X10-12 ATV	CHS/HDOTR	21	32
194	25X11-12	HDOTR	20	30
195	26x8-12 ATV	CHS/HDOTR	11	17
196	26X10-12	HDOTR	22	33
197	26x10-12 ATV	CHS/HDOTR	13	20
198	26X10.5-12	HDOTR	22	33
199	26x11-12 ATV	HDOTR	25	38
200	26x11-12	CHS	15	19
201	26X12.00-12	HDOTR	57	86
202	26.5X14.00-12	HDOTR	60	90
203	27X9-12 ATV	CHS/HDOTR	14	21
204	27X10-12	HDOTR	50	75
205	27X11-12 ATV	CHS/HDOTR	17	26
206	27X12-12 ATV	CHS/HDOTR	18	27
207				
208	6.00-13	HDOTR	28	42
209	6.50-13 TR	CHS	11	14
210	A78-13 TR	CHS	11	14
211	B78-13 TR	CHS	12	15
212	C78-13 TR	CHS	12	15
213	145/80 13	CHS	8	10
214	155/80 13	CHS	9	11
215	155/80 13 TR	CHS	9	11
216	165/80 13	CHS	10	13
217	175/80 13	CHS	11	14
218	175/80 13 TR	CHS	11	14
219	185/80 13	CHS	12	15
220	185/80 13 TR	CHS	12	15
221	185/80-13	HDOTR	28	42
222	155/70 13	CHS	9	11
223	165/70 13	CHS	10	13
224	175/70 13	CHS	10	13
225	185/70 13	CHS	11	14
226	195/70 13	CHS	12	15
227	205/70 13	CHS	13	16
228	165/65 13	CHS	9	11

Ride-On Tire Protection System (TPS) Dosage Table

No.	Tire Size Designation	Formula	Regular oz. (Units)	Severe oz. (Units)
229	195/65 13	CHS	12	15
230	185/60 13	CHS	11	14
231	195/60 13	CHS	11	14
232	205/60 13	CHS	12	15
233	215/60 13	CHS	13	16
234	235/60 13	CHS	15	19
235	215/50 13	CHS	13	16
236	235/50 13	CHS	14	18
237	245/50 13	CHS	15	19
238				
239	E78-14 TR	CHS	14	18
240	F-78-14 TR	CHS	14	18
241	G78-14 TR	CHS	16	20
242	H78-14 TR	CHS	17	21
243	F70-14 TR	CHS	15	19
244	H70-14 TR	CHS	17	21
245	6.00-14	HDOTR	32	48
246	7.-14	HDOTR	29	44
247	7.50-14	HDOTR	32	48
248	8.5L-14	HDOTR	38	57
249	9.5L-14	HDOTR	43	65
250	11L-14	HDOTR	51	77
251	175/75 14	CHS	12	15
252	185/75 14	CHS	12	15
253	195/75 14	CHS	14	18
254	205/75 14	CHS	15	19
255	205/75 14 TR	CHS	15	19
256	215/75 14	CHS	16	20
257	215/75 14 TR	CHS	16	20
258	225/75 14	CHS	16	20
259	245/75 14	CHS	18	23
260	175/70 14	CHS	11	14
261	185/70 14	CHS	12	15
262	195/70 14	CHS	13	16
263	205/70 14	CHS	14	18
264	215/70 14	CHS	16	20
265	225/70 14	CHS	16	20
266	235/70 14	CHS	17	21
267	245/70 14	CHS	18	23
268	165/65 14	CHS	10	13
269	175/65 14	CHS	10	13
270	185/65 14	CHS	11	14
271	195/65 14	CHS	12	15
272	215/65 14	CHS	14	18
273	175/60 14	CHS	10	13
274	185/60 14	CHS	11	14
275	195/60 14	CHS	12	15
276	205/60 14	CHS	13	16
277	215/60 14	CHS	14	18
278	225/60 14	CHS	14	18
279	235/60 14	CHS	16	20
280	245/60 14	CHS	16	20
281	255/60 14	CHS	17	21
282	265/60 14	CHS	19	24
283	275/60 14	CHS	19	24
284	255/55 14	CHS	17	21
285	245/50 14	CHS	15	19

Ride-On Tire Protection System (TPS) Dosage Table

No.	Tire Size Designation	Formula	Regular oz. (Units)	Severe oz. (Units)
286	265/50 14	CHS	17	21
287	23X8.50-14	HDOTR	29	36
288	24X8.50-14	HDOTR	38	57
289	25X8.50-14	HDOTR	33	50
290	27x8.5-14	CHS	16	20
291	27x9Rx14 ATV	CHS/HDOTR	22	28
292	27x11Rx14 ATV	CHS/HDOTR	26	33
293				
294	7-14.5 MH	CHS	13	16
295	8-14.5 MH	CHS	15	19
296	9-14.5 MH	CHS	18	23
297				
298	E78-15 TR	CHS	13	16
299	F78-15 TR	CHS	15	19
300	G78-15 TR	CHS	15	19
301	H78-15 TR	CHS	17	21
302	2.5-15	HDOTR	41	62
303	3.00-15	HDOTR	58	87
304	4.00-15	HDOTR	19	29
305	5.00-15	HDOTR	24	36
306	5.70-15	HDOTR	27	41
307	5.90-15	HDOTR	25	38
308	6.00-15	HDOTR	32	48
309	6.40-15	HDOTR	27	41
310	6.70-15	HDOTR	29	44
311	6.70-15 LT	CHS	15	19
312	7.00-15	HDOTR	44	66
313	7.00-15 LT	CHS	16	20
314	7.50-15	HDOTR	50	75
315	7.50-15	CHS	19	24
316	7.60-15	HDOTR	34	51
317	7.75-15	CHS	14	18
318	8.25-15	HDOTR	57	86
319	8.25-15	CHS	22	28
320	8.55-15	CHS	17	21
321	9.00-15	HDOTR	68	102
322	9.00-15	CHS	25	31
323	9.5L-15	HDOTR	52	78
324	10.00-15	HDOTR	76	114
325	10.00-15	CHS	27	34
326	11.00-15	HDOTR	83	125
327	11.00-15	CHS	31	39
328	12.5L-15	HDOTR	63	95
329	14.50-15	HDOTR	95	143
330	250-15	HDOTR	52	78
331	300-15	HDOTR	72	108
332	25X7.50-15	HDOTR	34	51
333	25X10.50-15	HDOTR	41	62
334	25X12.50-15	HDOTR	55	83
335	27X8.50-15	HDOTR	40	60
336	27X9.50-15	HDOTR	44	66
337	27X10.50-15	HDOTR	50	75
338	28X9-15	HDOTR	44	66
339	28X12-15	HDOTR	62	93
340	28X13-15	HDOTR	67	101
341	29X8-15	HDOTR	42	63
342	29x9.5-15 LT	CHS	19	24

Ride-On Tire Protection System (TPS) Dosage Table

No.	Tire Size Designation	Formula	Regular oz. (Units)	Severe oz. (Units)
343	29X12.50-15	HDOTR	64	96
344	29X14.00-15	HDOTR	64	96
345	30X8-15	HDOTR	44	66
346	30x9.5-15 LT	CHS	19	24
347	31x10.5-15 LT	CHS	22	28
348	31x11.5-15 LT	CHS	24	30
349	31X12.50-15	HDOTR	69	104
350	31X13.50-15	HDOTR	77	116
351	31X15.50-15	HDOTR	87	131
352	32x11.5-15 LT	CHS	25	31
353	32X12-15	HDOTR	72	108
354	32X15-15	HDOTR	86	129
355	33X12.50-15	HDOTR	74	111
356	33x12.5-15 LT	CHS	28	35
357	35x12.5-15 LT	CHS	31	39
358	35x14-15 LT	CHS	31	39
358	35X15-15	HDOTR	95	143
359	36X11-15	HDOTR	73	110
360	36X13.50-15	HDOTR	90	135
361	36x14.5-15 LT	CHS	34	43
362	38X16-15	HDOTR	113	170
363	8.5/90 15	HDOTR	46	69
364	195/75 15	CHS	14	18
365	205/75 15	CHS	15	19
366	205/75 15 LT	CHS	15	19
367	205/75 15 TR	CHS	15	19
368	215/75 15	CHS	16	20
369	225/75 15	CHS	18	23
370	225/75 15 TR	CHS	18	23
371	235/75 15	CHS	18	23
372	255/75 15	CHS	21	26
373	265/75 15	CHS	22	28
374	185/70 15	CHS	12	15
375	195/70 15	CHS	13	16
376	205/70 15	CHS	14	18
377	215/70 15	CHS	15	19
378	215/70-15	HDOTR	35	53
379	225/70 15	CHS	16	20
380	235/70 15	CHS	17	21
381	245/70 15	CHS	19	24
382	255/70 15	CHS	20	25
383	265/70 15	CHS	22	28
384	285/70 15	CHS	24	30
385	315/70 15	CHS	28	35
386	185/65 15	CHS	12	15
387	195/65 15	CHS	13	16
388	205/65 15	CHS	14	18
389	215/65 15	CHS	15	19
390	225/65 15	CHS	14	18
391	235/65 15	CHS	17	21
392	255/65 15	CHS	19	24
393	260/65-15	HDOTR	43	65
394	185/60 15	CHS	12	15
395	195/60 15	CHS	13	16
396	205/60 15	CHS	13	16
397	215/60 15	CHS	14	18
398	225/60 15	CHS	15	19

Ride-On Tire Protection System (TPS) Dosage Table

No.	Tire Size Designation	Formula	Regular oz. (Units)	Severe oz. (Units)
399	235/60 15	CHS	16	20
400	245/60 15	CHS	17	21
401	255/60 15	CHS	18	23
402	265/60 15	CHS	19	24
403	275/60 15	CHS	20	25
404	390/60-15	HDOTR	75	113
405	325/60 15 LT	CHS	27	34
406	195/55 15	CHS	12	15
407	205/55 15	CHS	13	16
408	225/55 15	CHS	15	19
409	255/55 15	CHS	18	23
410	195/50 15	CHS	12	15
411	205/50 15	CHS	13	16
412	225/50 15	CHS	14	18
413	245/50 15	CHS	16	20
414	265/50 15	CHS	18	23
415	275/50 15	CHS	19	24
416	295/50 15	CHS	21	26
417	305/50 15	CHS	22	28
418	325/50 15	CHS	24	30
419				
420	4.50-16	HDOTR	19	29
421	5.50-16	HDOTR	29	44
422	6.00-16	HDOTR	32	48
423	6.50-16	HDOTR	36	54
424	6.50-16 LT	CHS	15	19
425	7.00-16	HDOTR	32	48
426	7.00-16	CHS	19	24
427	7.2-16	HDOTR	34	51
428	7.50/8.00-16	HDOTR	43	65
429	7.50-16	HDOTR	51	77
430	7.50-16 LT	CHS	19	24
431	8.00-16	HDOTR	47	71
432	8.3-16	HDOTR	41	62
433	9.00-16	HDOTR	48	72
434	9.5-16	HDOTR	49	74
435	10.00-16	HDOTR	68	102
436	11.00-16	HDOTR	84	126
437	11.2-16	HDOTR	66	99
438	12L-16	HDOTR	71	107
439	12.4-16	HDOTR	73	110
440	12.5L-16	HDOTR	65	98
441	13.6-16	HDOTR	81	122
442	325/85 16	CHS	33	41
443	215/85 16	CHS	18	23
444	235/85 16	CHS	20	25
445	255/85 16	CHS	23	29
446	155/80 16	CHS	11	14
447	325/80 16 LT	CHS	31	39
448	80/75 16	HDOTR	10	13
449	225/75 16	CHS	18	23
450	235/75 16	CHS	18	23
451	245/75 16	CHS	20	25
452	265/75 16	CHS	23	29
453	285/75 16	CHS	25	31
454	315/75 16 LT	CHS	28	35
455	235/70 16	CHS	19	24

Ride-On Tire Protection System (TPS) Dosage Table

No.	Tire Size Designation	Formula	Regular oz. (Units)	Severe oz. (Units)
456	240/70 16	HDOTR	43	60
457	245/70 16	CHS	19	24
458	255/70 16	CHS	21	26
459	265/70 16	CHS	22	28
460	275/70 16	CHS	24	30
461	305/70 16	CHS	26	33
462	205/65 16	CHS	14	18
463	215/65 16	CHS	15	19
464	255/65 16	CHS	20	25
465	320/65 16	HDOTR	63	95
466	205/60 16	CHS	14	18
467	215/60 16	CHS	15	19
468	225/60 16	CHS	16	20
469	235/60 16	CHS	17	21
470	255/60 16	CHS	18	23
471	275/60 16	HDOTR	48	72
472	205/55 16	CHS	14	18
473	215/55 16	CHS	15	19
474	225/55 16	CHS	15	19
475	235/55 16	CHS	17	21
	255/55 16	CHS	18	23
476	205/50 16	CHS	13	16
477	225/50 16	CHS	15	19
478	235/50 16	CHS	16	20
479	245/50 16	CHS	17	21
480	255/50 16	CHS	18	23
481	265/50 16	CHS	19	24
482	275/50 16	CHS	20	25
483	245/45 16	CHS	15	19
484	265/45 16	CHS	17	21
485	205/40 16	CHS	12	15
486				
487	13.50-16.1	HDOTR	88	132
488	14L-16.1	HDOTR	81	122
489	14L-16.1	HDOTR	97	146
490	14.5/75-16.1	HDOTR	97	146
491	16.5L-16.1	HDOTR	126	189
492	16.5L-16.1	HDOTR	104	156
493	18.4-16.1	HDOTR	118	177
494	19L-16.1	HDOTR	127	191
495	21.5L-16.1	HDOTR	150	225
496	38X20.00-16.1	HDOTR	112	168
497				
498	8.00-16.5 LT	CHS	15	19
499	8.75-16.5 LT	CHS	17	21
500	9.50-16.5 LT	CHS	19	24
501	10-16.5 LT	CHS	24	30
502	10-16.5	HDOTR	56	84
503	12-16.5 LT	CHS	28	35
504	12-16.5	HDOTR	68	102
505	265/70-16.5	HDOTR	51	77
506	305/70-16.5	HDOTR	63	95
507	330/55-16.5	HDOTR	63	95
508	395/55-16.5	HDOTR	80	120
509	36x15.5x16.5 LT	CHS	37	46
510	37x12.5x16.5 LT	CHS	30	38
511	38x15.5 16.5 LT	CHS	39	49

Ride-On Tire Protection System (TPS) Dosage Table

No.	Tire Size Designation	Formula	Regular oz. (Units)	Severe oz. (Units)
512				
513	235/80 17 LT	CHS	19	24
514	245/75 17 LT	CHS	19	24
515	235/70 17	CHS	19	24
516	245/70 17 LT	CHS	19	24
517	265/70 17	CHS	22	28
518	285/70 17	CHS	24	30
519	315/70 17 LT	CHS	30	38
520	275/65 17 LT	CHS	22	28
521	265/65 17 LT	CHS	21	26
522	255/65 17 LT	CHS	20	25
523	245/65 17 LT	CHS	19	24
524	235/65 17	CHS	18	23
525	215/65 17	CHS	16	20
526	305/60 17 LT	CHS	25	31
527	285/60 17	CHS	23	29
528	275/60 17	CHS	22	28
529	205/50 17	CHS	13	16
530	255/ 50 17	CHS	18	23
531	225/55 17	CHS	16	20
532	235/55 17	CHS	17	21
533	215/45 17	CHS	14	18
534	225/45 17	CHS	16	20
535	235/45 17	CHS	17	21
536	245/45 17	CHS	16	20
537	255/45 17	CHS	17	21
538	315/45 17	CHS	23	29
539	235/40 17	CHS	15	19
540	245/40 17	CHS	16	20
541	265/40 17	CHS	17	21
542	275/40 17	CHS	18	23
543	285/40 17	CHS	19	24
544	285/35 17	CHS	19	24
545	315/35 17	CHS	21	26
546	335/35 17	CHS	23	29
547	35x12.50x17 LT	CHS	29	36
548	37x12.50x17 LT	CHS	30	38
549	37x12.50x17	HDOTR	30	45
550				
551	215/75 17.5 LT	CHS	17	21
552	235/75 17.5 TR	CHS	19	24
553	245/70 17.5 TR	CHS	20	25
554	355/70-17.5	HDOTR	80	120
555	8-17.5 HC	CHS	17	21
556	8.5-17.5	CHS	16	20
557	9-17.5 HC	CHS	20	25
558	9.5-17.5	CHS	20	25
559	10-17.5 HC	CHS	23	29
560	11-17.5 HC	CHS	27	34
561	14-17.5 HC	CHS	38	48
562	14-17.5	HDOTR	87	131
563	36X16-17.5	HDOTR	82	123
564				
565	4.00-18	HDOTR	18	27
566	7.50-18	HDOTR	41	62
567	7.50-18	HDOTR	48	72
568	10.5/80-18	HDOTR	62	93

Ride-On Tire Protection System (TPS) Dosage Table

No.	Tire Size Designation	Formula	Regular oz. (Units)	Severe oz. (Units)
569	12.5-18	HDOTR	74	111
570	12.5/80-18	HDOTR	74	111
571	15.0/55-18	HDOTR	83	125
572	275/80 18	HDOTR	62	93
573	335/80 18	HDOTR	82	123
574	275/75 18	CHS	24	30
575	275/70 18LT	CHS	24	30
576	320/65 18	HDOTR	67	101
577	340/65 18	HDOTR	75	113
578	235/65 18	CHS	18	23
579	275/65 18 LT	CHS	23	29
580	285/65 18 LT	CHS	25	31
581	325/65 18 LT	CHS	29	36
582	315/60 18 LT	CHS	27	34
583	225/60 18	CHS	17	21
584	255/60 18	CHS	20	25
585	255/55 18	CHS	20	25
586	275/55 18	CHS	21	26
587	285/55 18	CHS	23	29
588	305/55 18 LT	CHS	25	31
589	225/45 18	CHS	15	19
590	245/45 18	CHS	17	21
591	255/45 18	CHS	18	23
592	295/45 18	CHS	22	28
593	225/40 18	CHS	15	19
594	245/40 18	CHS	16	20
595	255/40 18	CHS	17	21
596	265/40 18	CHS	18	23
597	275/40 18	CHS	19	24
598	215/35 18	CHS	13	16
599	245/35 18	CHS	16	20
600	275/35 18	CHS	18	23
601	285/35 18	CHS	19	24
602	35X12.5X R18 LT	CHS	29	36
603	335/30 18	CHS	23	29
604				
605	4.00-19	HDOTR	22	33
606	260/80 19	HDOTR	60	90
607	255/45 19	CHS	19	24
608	255/40 19	CHS	18	23
609	235/35 19	CHS	16	20
610				
611	8-19.5	CHS	23	29
612	15-19.5	CHS	58	73
613	15-19.50	HDOTR	100	150
614	16.5-19.5	CHS	60	75
615	33/16LL500	HDOTR	83	104
616	18-19.5	HDOTR	140	210
617	18-19.5	CHS	73	91
618	19.5-19.5	CHS	75	94
619	385/65-19.5	HDOTR	96	144
620	445/65 19.5	CHS	68	85
621	225/70 19.5	CHS	24	30
622	245/70 19.5	CHS	27	34
623	265/70 19.5	CHS	29	36
624	285/70 19.5	CHS	32	40
625	305/70 19.5	CHS	37	46

Ride-On Tire Protection System (TPS) Dosage Table

No.	Tire Size Designation	Formula	Regular oz. (Units)	Severe oz. (Units)
626	40X19-19.5	HDOTR	117	176
627				
628	7.50-20	CHS	24	30
629	7.50-20	HDOTR	51	77
630	8.25-20	CHS	31	39
631	8.25-20	HDOTR	63	95
632	8.50-20	HDOTR	63	95
633	9.00-20	CHS	36	45
634	9.00-20	HDOTR	73	110
635	9.50-20	HDOTR	68	102
636	10.00-20	CHS	40	50
637	10.00-20	HDOTR	84	126
638	10.00/10.5-20	HDOTR	66	99
639	11.00-20	CHS	44	55
640	11.00-20	HDOTR	90	135
641	11.2-20	HDOTR	71	107
642	11.50-20	CHS	37	46
643	12.00-20	CHS	47	59
644	12.00-20	HDOTR	100	150
645	12.4-20	HDOTR	83	125
646	12.5-20	HDOTR	80	120
647	12.5-20	CHS	39	49
648	13.00-20	CHS	53	66
649	13.00-20	HDOTR	106	159
650	13.6-20	HDOTR	93	140
651	14.00-20	CHS	63	79
652	14.00-20	HDOTR	134	201
653	14.5-20	CHS	46	58
654	14.75/80 20	CHS	47	59
655	15.5/80 20	CHS	53	66
656	16.00-20	CHS	73	91
657	13/80 20	CHS	38	48
658	260/80 20	HDOTR	60	90
659	275/80 20	HDOTR	64	96
660	335/80 20	HDOTR	86	129
661	365/80 20	CHS	47	59
662	395/85 20	CHS	54	68
663	405/85 20	CHS	55	69
664	375/75 20	HDOTR	99	149
665	425/75 20	HDOTR	123	185
666	380/70 20	HDOTR	96	144
667	405/70 20	HDOTR	104	156
668	420/65 20	HDOTR	103	155
669	275/60 20 LT	CHS	23	35
670	325/60 20 LT	CHS	30	42
671	275/55 20 LT	CHS	23	32
672	265/50 20	CHS	21	26
673	305/50 20 LT	CHS	25	31
674	325/50 20 LT	CHS	27	34
675	295/45 20	CHS	23	29
676	295/45 20 LT	CHS	23	29
676	245/40 20	CHS	18	23
677	295/40 20	CHS	22	28
678	305/40 20 LT	CHS	23	29
679	275/35 20	CHS	20	25
680	38X14.00-20	HDOTR	94	141
681	38X18.00-20	HDOTR	121	182

Ride-On Tire Protection System (TPS) Dosage Table

No.	Tire Size Designation	Formula	Regular oz. (Units)	Severe oz. (Units)
682	38X20.00-20	HDOTR	129	194
683	41X14.00-20	HDOTR	101	152
684	42X25.00-20	HDOTR	179	269
685	44X18-20	HDOTR	147	221
686	44X18.00-20	HDOTR	140	210
687	44X41.00-20	HDOTR	302	453
688	48X25.00-20	HDOTR	211	317
689	48X31.00-20	HDOTR	258	387
690				
691	12.00-21	CHS	53	66
692	12.00-21	HDOTR	102	153
693	14.00-21	HDOTR	137	206
694	14.00-21	CHS	70	88
695	16.00-21	HDOTR	173	260
696	16.00-21	CHS	81	101
697	24-21	CHS	107	134
698				
699	7.50-22	HDOTR	49	74
700	9.00-22	CHS	44	55
701	10.00-22	CHS	47	59
702	11.00-22	CHS	51	64
703	325/40 22 LT	CHS	27	34
704	305/45 22 LT	CHS	26	33
705				
706	8-22.5	CHS	25	31
707	9-22.5	CHS	34	43
708	9-22.5	HDOTR	61	92
709	10-22.5	CHS	40	50
710	10-22.5	HDOTR	71	107
711	11-22.5	CHS	40	50
712	11-22.5	HDOTR	83	125
713	12-22.5	CHS	40	50
714	12-22.5	HDOTR	92	138
715	12.5-22.5	CHS	38	48
716	12.75-22.5	CHS	39	49
717	13-22.5	CHS	43	54
718	13-22.5	HDOTR	104	156
719	15-22.5	CHS	62	78
720	16.5-22.5	CHS	71	89
721	18-22.5	CHS	78	98
722	41/18LL 22.5	HDOTR	116	174
723	445/45 22.5	CHS	58	73
724	455/45 22.5	CHS	58	73
725	495/45 22.5	CHS	64	80
726	445/50 22.5	CHS	56	70
727	700/50 22.5	HDOTR	216	270
728	445/55 22.5	CHS	60	75
729	455/55 22.5	CHS	62	78
730	385/65 22.5	CHS	59	74
731	385/65-22.5	HDOTR	103	155
732	425/65 22.5	CHS	67	84
733	445/65 22.5	CHS	72	90
734	445/65-22.5	HDOTR	130	195
735	255/70 22.5	CHS	31	39
736	275/70R22.5	CHS	34	43
737	305/70R22.5	CHS	38	48
738	245/75 22.5	CHS	31	39

Ride-On Tire Protection System (TPS) Dosage Table

No.	Tire Size Designation	Formula	Regular oz. (Units)	Severe oz. (Units)
739	265/75 22.5	CHS	34	43
740	295/75 22.5	CHS	36	45
741	305/75 22.5	CHS	41	51
742	235/80 22.5	CHS	28	35
743	255/80 22.5	CHS	31	39
744	275/80 22.5	CHS	36	45
745	295/80 22.5	CHS	40	50
746	315/80 22.5	CHS	44	55
747	365/80 22.5	CHS	53	66
748				
749	305/40 23 LT	CHS	26	36
750				
751	7.50-24	HDOTR	55	83
752	8.3-24	HDOTR	51	77
753	9.00-24	HDOTR	72	108
754	9.5-24	HDOTR	61	92
755	10.00-24	CHS	49	61
756	10.00-24	HDOTR	88	132
757	11.00-24	CHS	53	66
758	11.00-24	HDOTR	101	152
759	11.2-24	HDOTR	76	114
760	11.25-24	HDOTR	92	138
761	12.00-24	CHS	58	73
762	12.00-24	HDOTR	109	164
763	12.4-24	HDOTR	89	134
764	13.00-24	HDOTR	128	192
765	13.00-24	CHS	65	81
766	13.6-24	HDOTR	101	152
767	14.00-24	CHS	75	94
768	14.00-24	HDOTR	144	216
769	14.9-24	HDOTR	116	174
770	16.00-24	CHS	88	110
771	16.00-24	HDOTR	154	231
772	16.9-24	HDOTR	139	209
773	17.5L-24	HDOTR	157	236
774	18.4-24	HDOTR	159	239
775	19.5L-24	HDOTR	186	279
776	21L-24	HDOTR	210	315
777	280/85 24	HDOTR	74	111
778	320/70 24	HDOTR	85	128
779	320/75 24	HDOTR	85	128
780	360/70 24	HDOTR	101	152
781	380/70 24	HDOTR	110	165
782	420/70-24	HDOTR	121	182
783	440/65 24	HDOTR	121	182
784	445/70 24	HDOTR	139	209
785	480/65 24	HDOTR	137	206
786	495/70 24	HDOTR	161	242
787	540/65 24	HDOTR	166	249
788	48X20.00-24	HDOTR	153	230
789				
790	11-24.5	CHS	47	59
791	12-24.5	CHS	50	63
792	13.5-24.5	CHS	52	65
793	275/80 24.5	CHS	37	46
794	285/75 24.5	CHS	39	49
795	305/75 24.5	CHS	42	53

Ride-On Tire Protection System (TPS) Dosage Table

No.	Tire Size Designation	Formula	Regular oz. (Units)	Severe oz. (Units)
796				
797	11.00-25	CHS	54	68
798	12.00-25	CHS	58	73
799	13.00-25	HDOTR	130	195
800	14.00-25	CHS	77	96
801	15.50-25	HDOTR	144	216
802	16.00-25	HDOTR	185	278
803	17.50-25	HDOTR	172	258
804	18.00-25	HDOTR	231	347
805	20.50-25	HDOTR	223	335
806	21.00-25	HDOTR	285	428
807	23.50-25	HDOTR	277	416
808	24.00-25	HDOTR	348	522
809	26.50-25	HDOTR	348	522
810	29.50-25	HDOTR	400	600
811	25/65-25	HDOTR	263	395
812	30/65-25	HDOTR	353	530
813	355/55-25	HDOTR	70	105
814	800/50-25	HDOTR	75	113
815	1000/50 25	HDOTR	431	647
816	1050/50 25	HDOTR	435	653
817	54x37.00-25	HDOTR	326	489
818	66X43.00-25	HDOTR	479	719
819	66X44.00-25	HDOTR	508	762
820	67X34.00-25	HDOTR	398	597
821				
822	13.6-26	HDOTR	105	158
823	14.9-26	HDOTR	121	182
824	16.9-26	HDOTR	144	216
825	18.00-26	HDOTR	236	354
826	18.4-26	HDOTR	190	285
827	23.1-26	HDOTR	265	398
828	28L-26	HDOTR	324	486
829	580/70 26	HDOTR	207	311
830	620/70 26	HDOTR	230	345
831	620/75 26	HDOTR	243	365
832	540/65 26	HDOTR	174	261
833	750/65 26	HDOTR	304	456
834	54X31.00-26	HDOTR	289	434
835	57X31.00-26	HDOTR	273	410
836	66X43.00-26	HDOTR	479	719
837	67X34.00-26	HDOTR	398	597
838				
839	600/55-26.5	HDOTR	195	293
840	700/50-26.5	HDOTR	228	342
841				
842	9.5-28	HDOTR	69	104
843	11.2-28	HDOTR	83	125
844	11.25-28	HDOTR	100	150
845	12.4-28	HDOTR	96	144
846	13.6-28	HDOTR	110	165
847	14.9-28	HDOTR	126	189
848	16.8-28	HDOTR	148	222
849	16.9-28	HDOTR	150	225
850	18.4-28	HDOTR	170	255
851	19.5L-28	HDOTR	179	269
852	21L-28	HDOTR	194	291

Ride-On Tire Protection System (TPS) Dosage Table

No.	Tire Size Designation	Formula	Regular oz. (Units)	Severe oz. (Units)
853	420/70 28	HDOTR	140	210
854	480/70 28	HDOTR	168	252
855	440/65 28	HDOTR	131	197
856	480/65 28	HDOTR	149	224
857	540/65 28	HDOTR	180	270
858	600/65 28	HDOTR	214	321
859				
860	24.00-29	HDOTR	366	549
861	26.50-29	HDOTR	354	531
862	29.50-29	HDOTR	420	630
863	30/65-29	HDOTR	380	570
864	33.25-29	HDOTR	506	759
865				
866	7.2-30	HDOTR	47	71
867	7.50-15 30	HDOTR	44	66
868	14.9-30	HDOTR	141	212
869	16.9-30	HDOTR	177	266
870	18.0-30	HDOTR	202	303
871	18.4-30	HDOTR	176	264
872	23.1-30	HDOTR	243	365
873	420/90 30	HDOTR	155	233
874	620/75 30	HDOTR	251	377
875	480/70 30	HDOTR	167	251
876	540/65 30	HDOTR	187	281
877	67X34.00-30	HDOTR	398	597
878				
879	9.5-32	HDOTR	73	110
880	12.4-32	HDOTR	103	155
881	24.5-32	HDOTR	314	471
882	30.5L-32	HDOTR	395	593
883	35.5L-32	HDOTR	440	660
884	650/75 32	HDOTR	282	423
885	680/75 32	HDOTR	306	459
886	800/65 32	HDOTR	357	536
887	1050/50 32	HDOTR	496	744
888	68X50.00-32	HDOTR	594	891
889	VA73X44.00-32	HDOTR	561	842
890	76x50.00-32	HDOTR	598	897
891	78x45.00-32	HDOTR	564	846
892				
893	18.00-33	HDOTR	258	387
894	21.00-33	HDOTR	295	443
895	24.00-33	HDOTR	363	545
896	27.00-33	HDOTR	485	728
897	29.50-33	HDOTR	419	629
898	33.50-33	HDOTR	541	812
899	35/65-33	HDOTR	511	767
900	37.50-33	HDOTR	647	971
901	DH73X44.00-33	HDOTR	561	842
902				
903	14.9-34	HDOTR	138	207
904	16.9-34	HDOTR	165	248
905	18.4-34	HDOTR	215	323
906	20.8-34	HDOTR	222	333
907	23.1-34	HDOTR	258	387
908	290/95 34	HDOTR	100	150
909	320/85 34	HDOTR	110	165

Ride-On Tire Protection System (TPS) Dosage Table

No.	Tire Size Designation	Formula	Regular oz. (Units)	Severe oz. (Units)
910	380/85 34	HDOTR	150	225
911	385/85 34	HDOTR	142	213
912	420/85 34	HDOTR	162	243
913	620/75 34	HDOTR	259	389
914	650/75 34	HDOTR	288	432
915	710/75 34	HDOTR	340	510
916	480/70 34	HDOTR	187	281
917	540/65 34	HDOTR	199	299
918	600/65 34	HDOTR	231	347
919	700/55 34	HDOTR	278	417
920				
921	21.00-35	HDOTR	324	486
922	24.00-35	HDOTR	393	590
923	29.50-35	HDOTR	451	677
924	33.25-35	HDOTR	541	812
925	37.25-35	HDOTR	642	963
926				
927	9.5-36	HDOTR	79	119
928	11.2-36	HDOTR	97	146
929	12.4-36	HDOTR	112	168
930	13.6-36	HDOTR	129	194
931	13.9-36	HDOTR	127	191
932	230/95 36	HDOTR	78	117
933	270/95 36	HDOTR	93	140
934				
935	11.2-38	HDOTR	101	152
936	12.4-38	HDOTR	116	174
937	13.6-38	HDOTR	131	197
938	14.9-38	HDOTR	149	224
939	15.5-38	HDOTR	150	225
940	16.9-38	HDOTR	176	264
941	18.4-38	HDOTR	199	299
942	20.8-38	HDOTR	235	353
943	320/85 38	HDOTR	117	176
944	380/80 38	HDOTR	150	225
945	580/70 38	HDOTR	261	392
946	620/70 38	HDOTR	279	419
947	710/70 38	HDOTR	341	512
948	540/65 38	HDOTR	213	320
949	600/65 38	HDOTR	247	371
950	650/65 38	HDOTR	275	413
951				
952	33.50-39	HDOTR	576	864
953	37.50-39	HDOTR	686	1029
954	40/65-39	HDOTR	676	1014
955	40.5/75-39	HDOTR	686	1029
956	41.25/70-39	HDOTR	682	1023
957				
958	180/95 40	HDOTR	60	90
959	230/95 40	HDOTR	82	123
960				
961	9.5-42	HDOTR	86	129
962	12.4-42	HDOTR	124	186
963	18.4-42	HDOTR	211	317
964	20.8-42	HDOTR	248	372
965	320/90 42	HDOTR	128	192
966	520/85 42	HDOTR	254	381

Ride-On Tire Protection System (TPS) Dosage Table

No.	Tire Size Designation	Formula	Regular oz. (Units)	Severe oz. (Units)
967	620/70 42	HDOTR	296	444
968	710/70 42	HDOTR	365	548
969	650/65 42	HDOTR	289	434
970	900/50 42	HDOTR	427	641
971				
972	45/65-45	HDOTR	863	1295
973				
974	12.4 46	HDOTR	134	201
975	13.6-46	HDOTR	147	221
976	14.9-46	HDOTR	168	252
977	18.4-46	HDOTR	222	333
978	320/90 46	HDOTR	136	204
979	380/90 46	HDOTR	171	257
980	520/85 46	HDOTR	256	384
981	420/80 46	HDOTR	187	281
982	480/80 46	HDOTR	223	335
983				
984	270/95 48	HDOTR	113	170
985	230/95 48	HDOTR	92	138
986				
987	18.00-49	HDOTR	312	468
988	21.00-49	HDOTR	378	567
989	24.00-49	HDOTR	455	683
990	27.00-49	HDOTR	549	824
991				
992	320/90 50	HDOTR	143	215
993	480/80-50	HDOTR	240	360
994				
995	30.00-51	HDOTR	660	990
996	33.00-51	HDOTR	756	1134
997	36.00-51	HDOTR	884	1326
998	37.50-51	HDOTR	763	1145
999	50/65-51	HDOTR	1074	1611
1000				
1001	270/95 54	HDOTR	126	189
1002	320/90 54	HDOTR	149	224
1003				
1004	27-56.5	HDOTR	447	671
1005	30-56.5	HDOTR	539	809
1006				
1007	37.00-57	HDOTR	949	1424
1008	40.00-57	HDOTR	1091	1637
1009	46/90-57	HDOTR	1001	1502
1010	48/95-57	HDOTR	1169	1754
1011	50/90-57	HDOTR	1169	1754
1012				
1013	33-59.5	HDOTR	635	953
1014	36-59.5	HDOTR	747	1121
1015	39-59.5	HDOTR	854	1281
1016				
1017	55/80R63	HDOTR	1310	1965

Ride-On Tire Protection System (TPS) Dosage Table

No.	Tire Size Designation	Formula	Regular oz. (Units)	Severe oz. (Units)
1018	M130/70*10	MOT/CHS	5	7
1019	M120/90-10	MOT/CHS	5	7
1020	M130/90*10	MOT/CHS	5	7
1021	3.00 -10	MOT/CHS	3	4
1022	3.50 - 10	MOT/CHS	3	5
1023				
1024	M110/70*11	MOT/CHS	4	6
1025				
1026	M120/70*12	MOT/CHS	5	8
1027	M130/70*12	MOT/CHS	5	7
1028	M120/80*12	MOT/CHS	5	7
1029	M100/90*12	MOT/CHS	4	6
1030	M110/90*12	MOT/CHS	5	8
1031	M110/100*12	MOT/CHS	6	8
1032				
1033	M130/60*13	MOT/CHS	5	7
1034	M130/70*13	MOT/CHS	5	8
1035	M150/70*13	MOT/CHS	7	10
1036	M110/90*13	MOT/CHS	5	7
1037				
1038	3.00-14	MOT/CHS	3	5
1039	M140/60*14	MOT/CHS	6	9
1040	M160/60*14	MOT/CHS	7	10
1041	M120/80*14	MOT/CHS	5	8
1042	M180/80*14	MOT/CHS	9	13
1043	M60/100*14	MOT/CHS	3	4
1044	M90/100*14	MOT/CHS	5	7
1045				
1046	M230/60*15	MOT/CHS	12	18
1047	M120/70*15	MOT/CHS	5	8
1048	M180/70*15	MOT/CHS	9	13
1049	M140/80*15M/C	MOT/CHS	7	10
1050	M150/80*15	MOT/CHS	8	11
1051	M160/80*15M/C	MOT/CHS	8	12
1052	M170/80*15M/C	MOT/CHS	9	13
1053	M190/80*15	MOT/CHS	11	15
1054	MV85-15M/C	MOT/CHS	8	11
1055	M130/90-15	MOT/CHS	7	10
1056	M140/90-15M/C	MOT/CHS	7	11
1057	M150/90-15M/C	MOT/CHS	8	11
1058	MU90-15M/C	MOT/CHS	7	11
1059	MV90-15M/C	MOT/CHS	8	11
1060				
1061	2.50-16	MOT/CHS	3	4
1062	3.00-16	MOT/CHS	4	6
1063	3.50-16	MOT/CHS	5	7
1064	5.00-16	MOT/CHS	7	10
1065	195/50R16	MOT/CHS	10	15
1066	M240/50R16	MOT/CHS	13	18
1067	M130/60*16	MOT/CHS	6	9
1068	M180/60*16	MOT/CHS	9	13
1069	M200/60*16	MOT/CHS	11	15
1070	M120/70*16	MOT/CHS	6	8
1071	M130/70*16	MOT/CHS	6	9
1072	M170/70*16	MOT/CHS	9	13
1073	M180/70*16	MOT/CHS	10	14

Ride-On Tire Protection System (TPS) Dosage Table

No.	Tire Size Designation	Formula	Regular oz. (Units)	Severe oz. (Units)
1074	M80/80*16	MOT/CHS	3	5
1075	M100/80*16	MOT/CHS	5	7
1076	M120/80*16	MOT/CHS	6	8
1077	M130/80*16	MOT/CHS	6	9
1078	M140/80*16	MOT/CHS	8	11
1079	M150/80*16	MOT/CHS	8	11
1080	M160/80*16	MOT/CHS	9	13
1081	MR85-16	MOT/CHS	6	8
1082	MU85-16	MOT/CHS	8	11
1083	M100/90-16	MOT/CHS	5	7
1084	M110/90-16	MOT/CHS	6	8
1085	M120/90-16	MOT/CHS	6	9
1086	M130/90-16	MOT/CHS	7	10
1087	M140/90-16	MOT/CHS	8	11
1088	MT90-16	MOT/CHS	7	10
1089	MU90-16	MOT/CHS	8	11
1090	M90/100*16	MOT/CHS	5	8
1091				
1092	3.00-17	MOT/CHS	4	5
1093	3.25-17	MOT/CHS	4	6
1094	3.50-17	MOT/CHS	5	7
1095	4.50-17	MOT/CHS	5	8
1096	M300/40R17	MOT/CHS	16	24
1097	M190/50R17	MOT/CHS	10	14
1098	M200/50R17	MOT/CHS	10	15
1099	M180/55*17	MOT/CHS	9	13
1100	M120/60*17	MOT/CHS	6	8
1101	M130/60*17	MOT/CHS	6	9
1102	M150/60*17	MOT/CHS	7	11
1103	M160/60*17	MOT/CHS	8	12
1104	M170/60*17	MOT/CHS	9	13
1105	M110/70*17	MOT/CHS	5	8
1106	M120/70*17	MOT/CHS	6	9
1107	M130/70*17	MOT/CHS	6	9
1108	M140/70*17	MOT/CHS	7	10
1109	M150/70*17	MOT/CHS	8	11
1110	M160/70*17	MOT/CHS	9	12
1111	M110/80*17	MOT/CHS	5	8
1112	M120/80*17	MOT/CHS	6	9
1113	M130/80*17	MOT/CHS	7	10
1114	M140/80*17	MOT/CHS	8	11
1115	M150/80*17	MOT/CHS	9	12
1116	M90/90-17	MOT/CHS	4	6
1117	M120/90-17	MOT/CHS	7	10
1118	M130/90-17	MOT/CHS	7	10
1119	MS90-17	MOT/CHS	7	9
1120	MT90-17	MOT/CHS	7	10
1121				
1122	3.00-18	MOT/CHS	4	6
1123	3.50-18	MOT/CHS	5	7
1124	4.00-18	MOT/CHS	6	9
1125	4.10-18	MOT/CHS	6	8
1126	4.25-18	MOT/CHS	6	9
1127	4.50-18	MOT/CHS	7	10
1128	4.60-18	MOT/CHS	7	10
1129	M330/35*18	MOT/CHS	18	27
1130	M300/35*R18	MOT/CHS	16	23

Ride-On Tire Protection System (TPS) Dosage Table

No.	Tire Size Designation	Formula	Regular oz. (Units)	Severe oz. (Units)
1131	M240/40*18	MOT/CHS	13	18
1132	M250/40*18	MOT/CHS	14	20
1133	M180/55*18	MOT/CHS	10	14
1134	M200/55*18	MOT/CHS	11	16
1135	M150/60*18	MOT/CHS	8	11
1136	M160/60*18	MOT/CHS	8	12
1137	M170/60*18	MOT/CHS	9	13
1138	M120/70*18	MOT/CHS	6	9
1139	M130/70*18	MOT/CHS	7	10
1140	M140/70*18	MOT/CHS	7	11
1141	M150/70*18	MOT/CHS	9	13
1142	M110/80*18	MOT/CHS	6	8
1143	M120/80*18	MOT/CHS	6	9
1144	M130/80*18	MOT/CHS	7	10
1145	M140/80*18	MOT/CHS	8	11
1146	M150/80*18	MOT/CHS	9	13
1147	MP85-18	MOT/CHS	6	8
1148	MT85-18	MOT/CHS	7	10
1149	M90/90-18	MOT/CHS	5	7
1150	M100/90-18	MOT/CHS	5	8
1151	M110/90-18	MOT/CHS	6	8
1152	M120/90-18	MOT/CHS	6	9
1153	M130/90-18	MOT/CHS	7	10
1154	ML90-18	MOT/CHS	5	7
1155	MM90-18	MOT/CHS	5	7
1156	MN90-18	MOT/CHS	6	8
1157	MP90-18	MOT/CHS	6	9
1158	MR90-18	MOT/CHS	6	9
1159	MJ90-18	MOT/CHS	4	7
1160	M100/100*18	MOT/CHS	6	9
1161	M110/100*18	MOT/CHS	7	10
1162	M120/100*18	MOT/CHS	8	11
1163				
1164	2.5-19	MOT/CHS	4	6
1165	3.00-19	MOT/CHS	4	6
1166	3.25-19	MOT/CHS	5	8
1167	3.50-19	MOT/CHS	5	7
1168	4.00-19	MOT/CHS	6	9
1169	4.10-19	MOT/CHS	5	8
1170	M120/70*19	MOT/CHS	7	10
1171	M100/80 *19	MOT/CHS	5	8
1172	M110/80*19	MOT/CHS	6	8
1173	M120/80-19	MOT/CHS	7	10
1174	M90/90-19	MOT/CHS	5	7
1175	M100/90-19	MOT/CHS	5	8
1176	M110/90-19	MOT/CHS	6	9
1177	MJ90-19	MOT/CHS	5	7
1178	ML90-19	MOT/CHS	5	7
1179	MM90-19	MOT/CHS	5	7
1180	M70/100*19	MOT/CHS	4	6
1181				
1182	3.00-20	MOT/CHS	5	7
1183	275/55-20	MOT/CHS	18	26
1184				
1185	2.75-21	MOT/CHS	5	7
1186	3.00-21	MOT/CHS	5	7
1187	M70/100*21	MOT/CHS	4	6

Ride-On Tire Protection System (TPS) Dosage Table

No.	Tire Size Designation	Formula	Regular oz. (Units)	Severe oz. (Units)
1188	M80/100-21	MOT/CHS	5	7
1189	M80/90-21	MOT/CHS	5	7
1190	M90/90-21	MOT/CHS	5	7
1191	MH90-21	MOT/CHS	4	6
1192	MH120-70-21	MOT/CHS	7	10

NOTE: Severe applications (offroad/motorcross) reflects 45% more product. Please Note: at these higher dosages you may experience some vibrations at high speeds.

Material Safety Data Sheet (MSDS)

Inovex Industries, Inc.

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Date Prepared: 03-03-2003

Date Printed: 2/10/2006

MSDS No: 022703-001.001

RIDE-ON TIRE PROTECTION SYSTEM (TPS) TIRE SEALANT

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Material Identity

Product Name: **Ride-On Tire Protection System (TPS) Tire Sealant**

Product Description: Water-based tire sealant for pneumatic tires

Company

Inovex Industries, Inc.
45681 Oakbrook Court, Unit 102
Sterling, VA 20166 USA
Tel: 703-421-9778
Fax: 703-421-1967

Emergency Telephone Number:

1-800-255-3924
24 hours everyday

Information Telephone Number:

703-421-9778
1-888-374-3366 (US Only)

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredient(s)</u>	<u>CAS Number</u>	<u>% (by weight)</u>
Ethylene Glycol	107-21-1	35-55
Water	7732-18-5	45-65
Fibers and fillers (no asbestos, ceramics, or glass)	Proprietary	3-6
Non-heavy metal based corrosion inhibitors	Proprietary	1.5-4
other ingredients that are either:		Balance less than 1%
A) Not classified by the OSHA Communication Standard to be Hazardous, or		
B) Present in concentrations less than 1% (less than .1% for carcinogens) in this product		

3. Hazards Identification

Potential Health Effects:

Eye

Exposure may cause mild eye irritation. Symptoms may include stinging, tearing, redness, and swelling.

Skin

Harmful effects are not expected from this route of exposure under normal conditions of handling and use.

Swallowing

Single dose oral toxicity is low. Swallowing small amounts during normal handling is not likely to cause harmful effects; swallowing large amounts may be harmful.

Inhalation

Harmful effects are not expected from this route of exposure under normal conditions of handling and use.

Developmental Information

This material (or a component) may cause birth defects in humans based on positive test results with laboratory animals.

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RIDE-ON TIRE PROTECTION SYSTEM (TPS) TIRE SEALANT

Cancer Information

This material is not expected to be carcinogenic in humans based in negative evidence of carcinogenicity in laboratory animals. This material is not listed as a carcinogen by IARC, NTP, or OSHA.

Primary Routes of Entry

Inhalation, skin contact, eye contact, ingestion - industrial products are not meant to be swallowed.

4. FIRST AID MEASURES

Eyes

If symptoms develop, immediately move individual away from exposure and into fresh air. Flush eyes gently with water for at least 15 minutes while holding eyelids apart; seek immediate medical attention.

Swallowing

If swallowed, seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. If individual is conscious and alert, induce vomiting by giving syrup of ipecac or by gently placing two fingers at the back of the throat. If possible, do not leave individual unattended.

Skin

Harmful effects are not expected from this route of exposure under normal conditions of handling and use. Although rare, skin contact with ethylene glycol may cause allergic skin reaction. Exposure may cause mild skin irritation. Symptoms may include redness and burning. Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.

Inhalation

Harmful effects are not expected from this route of exposure under normal conditions of handling and use. If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet. If person is not breathing, begin artificial respiration.

Note to Physicians

This product contains Ethylene Glycol. Ethanol decreases the metabolism of ethylene glycol to toxic metabolites. Ethanol should be administered as soon as possible in cases of severe poisoning since the elimination half-life of ethylene glycol is 3 hours. If medical care will be delayed several hours, use three to four 1-ounce "shots" of 86-proof or higher whiskey before or during transport to the hospital. Hemodialysis effectively removes ethylene glycol and its metabolites from the body.

5. FIRE FIGHTING MEASURES

Flash Point

None to Boil (> 550°F)

Hazardous Products of Combustion

May form: carbon dioxide and carbon monoxide.

Extinguishing Media

Water fog, alcohol foam, carbon dioxide, dry chemical.

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RIDE-ON TIRE PROTECTION SYSTEM (TPS) TIRE SEALANT

Fire Fighting Instructions

Wear a self-contained breathing apparatus with full face piece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment. Refer to the personal protective equipment section of this MSDS. No special precautions necessary when fighting fires involving this product.

NFPA Rating

Health - 1, Flammability - 1, Reactivity - 0

6. ACCIDENTAL RELEASE MEASURES

Small Spills

Absorb liquid on vermiculite, floor absorbent or other absorbent material. Collect material with vacuum cleaner.

Large Spills

Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Stop spill at source, dike area of spill to prevent spreading, pump liquid to salvage tank. Remaining liquid may be taken up on sand, clay, earth, floor absorbent, or other absorbent material and shoveled into containers.

7. Handling and Storage

Handling and Storage

Keep container closed when not in use. It is recommended that containers of product be stored indoors or out of direct sunlight. Precautions should be taken when lifting containers to prevent injury. Empty containers should be cleaned thoroughly of product residues prior to reuse.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION
--

Eye Protection

Chemical splash goggles in compliance with OSHA regulations are advised; however, OSHA regulations also permit other type of safety glasses. Consult your safety representative.

Skin Protection

Harmful effects are not expected from this route of exposure under normal conditions of handling and use. However, as part of good industrial hygiene practices, wear resistant gloves such as: neoprene, nitrile rubber, natural rubber, and polyvinyl chloride.

Respiratory Protection

Harmful effects are not expected from this route of exposure under normal conditions of handling and use.

Exposure Guidelines

Component

ETHYLENE GLYCOL (107-21-1)

OSHA VPEL 50.000 ppm - Ceiling

ACGIH TLV 50.000 ppm - Ceiling vapor and mist

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RIDE-ON TIRE PROTECTION SYSTEM (TPS) TIRE SEALANT

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point	Greater than 250 F (121 C)
Vapor Pressure:	N/A
Specific Vapor Density:	N/A
Specific Gravity:	1.06 – 1.10 (H2O = 1)
Percent Volatile:	No Data
Evaporation Rate:	Not Data
State:	Liquid
Color:	Color added (typically found: White, Yellow, Blue, Cream, Orange, red, purple)
Odor:	Faint Glycol
pH:	8.0 – 10.0
Viscosity:	2,300 cp – 15,000 cp
Freezing Point:	< -40 F (-40 C)

10. STABILITY AND REACTIVITY

Hazardous Polymerization
Product will not undergo hazardous polymerization.

Hazardous Decomposition
May form: carbon dioxide and carbon monoxide.

Chemical Stability
Stable.

10. Toxicological Information

No Data.

11. Toxicological Information

No Data.

12. Ecological Information

No Data.

13. Disposal Information

Waste Management Information
Dispose of in accordance with all applicable local, state, and federal regulations. Do not flush to storm sewer.

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RIDE-ON TIRE PROTECTION SYSTEM (TPS) TIRE SEALANT

14. TRANSPORT INFORMATION

THIS MATERIAL IS NOT HAZARDOUS AD DEFINED BY 49 CFR 172.101 BY THE US DEPARTMENT OF TRANSPORTATION

DOT Information - 49 CFR 172.101

DOT Description: This product is non-flammable, non-hazardous and not Regulated

Container/Mode: 275 gallon tote, 55 Gallon Drum, 5 Gallon Pail, 8 & 16 ounce bottles.

NOS Component: None

RQ (Reportable Quantity) - 49 CFR 172.101

Not Applicable

15. REGULATORY INFORMATION

US Federal Regulations

TSCA (Toxic Substances Control Act) Status

TSCA (United States) The intentional ingredients of this product are listed.

CERCLA RQ - 40 CFR 302.4

Component

Ethylene Glycol

RQ (lbs)

5000

SARA 302 Components - 40 CFR 355 Appendix A

None

International Regulations

Inventory Status

DSL (CANADA) The intentional ingredients of this product are listed.

State and Local Regulations

California Proposition 65

None

New Jersey RTK Label Information

Ethylene Glycol

107-21-1

Pennsylvania RTK Label Information

1,2-Ethanediol

107-21-1

16. OTHER INFORMATION

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.



INOVEX INDUSTRIES, INC.

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Re tread Information Bureau, Solid Waste Association of North America