



Dido-On
NIU-UII®

Tire Protection System

Prevents Flats!

Extends Tire Life!

Balances Tires!

DOSAGE TABLE & INSTALLATION GUIDE

Version 14.1 - July 2008

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:

	<u>Page/Section</u>
Section 1. Dosage Table Intro	(I–XI)
Section 2. Tire Size Designation by Rim Diameter	(1–18)
Section 3. Motorcycle Tires	(19–22)
Section 4. Material Safety Data Sheet (MSDS)	(23–27)

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.
- Auto and SUV Formula – Exclusively manufactured for passenger and light trucks. The Ride-On Auto formula is the only known product in the world capable of being balanced on dynamic spin balancers. The Auto formula offers excellent protection for cars and light trucks against punctures from objects up to 1/4" (6.4 mm) in diameter.

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- ATV Formula – The ATV Formula is ideal for all ATV, UTV, industrial, and other off-road applications. This formula is a cross between our CHS and our HDOTR formulas.
- Motorcycle Formula – A high-speed formulation for motorcycles, dirt bikes 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) Puncturing object is outside of the coverage area;
- 3) Rips, tears, or belt/cord damage, Tread separation, Valve leaks, sidewall puncture;
- 4) Oily or lubricated puncturing object;
- 5) Object too small (i.e. a needle or finishing nail) – Enlarge hole with a reamer or larger object.
- 6) Puncturing object larger than what the sealant is designed to seal;
- 7) Contamination of Ride-On inside of the tire due to excessively wet air source and/or contaminants inside tire;
- 8) 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.
- 9) 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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- 10) 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 shop keeping 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. **Note: The pump you have purchased is new and the handle may be stiff or difficult to move. In the event that you are unable to raise the handle, unscrew the black fitting at the top of the aluminum pump body counterclockwise 2 or 3 complete turns. This should loosen the shaft and allow for free movement. After the shaft has been loosened, retighten. After a short period of use the o-rings will break-in and the pumps will be smoother.**

If you ever have removed the handle from the pump body, be sure to only use a SILICONE based lubricant on the o-rings to reinsert the handle into the aluminum body. Using a petroleum based lubricant on the o-rings will cause them to break down, and damage your pump irreversibly.

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

- 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.



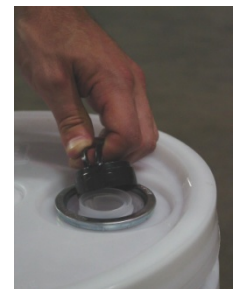
Optional Tool Kit

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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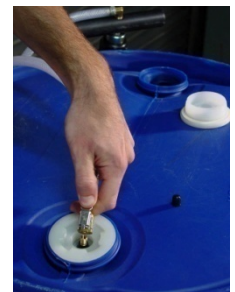
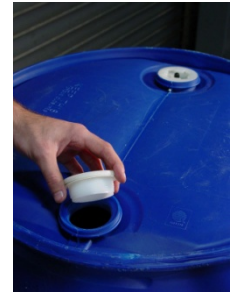
8. Rotate the tire into which Ride-On is to be installed so that the tire stem is between the 3 and 9 o'clock position (bottom half of the tire). Use a valve core remover tool to unscrew and remove the valve core from the tire valve stem. The lower the tire pressure, the easier it is to install the product (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.

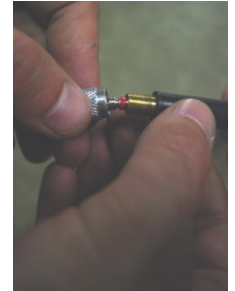


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5. Pull the pump handle all the way up as high as it will go and then push it back down. This will 'bleed' the air out of the hose as the product is circulated back into the drum. Always store the pump with the hose connected to the small fitting,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

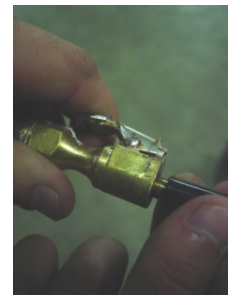


6. Rotate the tire into which Ride-On is to be installed so that the tire stem is between the 3 and 9 o'clock position (bottom half of the tire). Use a valve core remover tool to unscrew and remove the valve core from the tire valve stem. Lower tire pressure to 60 psi or less.



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 it's own air line for inflating any tire. There's no need to run separate air lines. Quality. Durability.

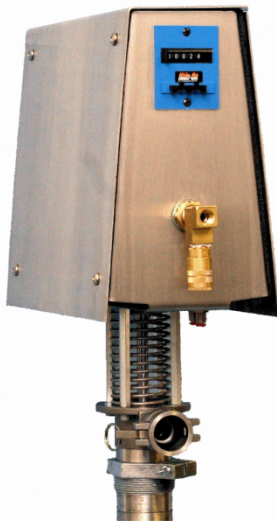
Features

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 interfere with the use of conventional plugs and patches, or the application of section repairs in tires.

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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. **Ride-On** is compatible with most TPMS systems.

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	ATV/HDOTR	9	14
28	145/70-6	HDOTR	7	11
29				
30	16X8-7 ATV	ATV/HDOTR	9	14
31	17X7-7 ATV	ATV/HDOTR	10	15
32	18X8-7 ATV	ATV/HDOTR	12	18
33				
34	4.00-8	HDOTR	13	20
35	4.80-8	CHS/AUTO	6	8
36	4.80/4.00-8	CHS/AUTO	5	6
37	4.80/440-8 TR	CHS/AUTO	4	5
38	5.00-8	HDOTR	18	27
39	5.30-8	HDOTR	18	27
40	5.70-8	CHS/AUTO	8	10
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	ATV/HDOTR	16	24
54	18X11-8 ATV	ATV/HDOTR	17	26
55	18.5X8.50-8	HDOTR	28	42
56	19X7-8	HDOTR	20	30
57	19X8-8 ATV	ATV/HDOTR	13	20
58	19X9-8 ATV	ATV/HDOTR	15	23

Ride-On Tire Protection System (TPS) Dosage Table

No.	Tire Size Designation	Formula	Regular oz. (Units)	Severe oz. (Units)
59	19X9.50-8	HDOTR	33	50
60	20X7-8 ATV	ATV/HDOTR	12	18
61	20X8.00-8	HDOTR	15	23
62	20X9-8 ATV	ATV/HDOTR	16	24
63	20X10-8 ATV	ATV/HDOTR	21	32
64	20X11-8 ATV	ATV/HDOTR	19	29
65	21X9-8 ATV	ATV/HDOTR	16	24
66	21X10-8 ATV	ATV/HDOTR	18	27
67	21X11-8 ATV	ATV/HDOTR	20	30
68	21X11.00-8	HDOTR	36	54
69	21X12-8 ATV	ATV/HDOTR	22	33
70	22X9-8 ATV	ATV/HDOTR	17	26
71	22X10-8 ATV	ATV/HDOTR	21	32
72	22X10.00-8	HDOTR	39	59
73	22X11-8 ATV	ATV/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	ATV/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	ATV/HDOTR	17	26
84	20X7-9 ATV	ATV/HDOTR	12	18
85	20X10-9 ATV	ATV/HDOTR	18	27
86	20X11-9 ATV	ATV/HDOTR	19	29
87	21X8-9 ATV	ATV/HDOTR	17	26
88	21X9-9 ATV	ATV/HDOTR	20	30
89	21X11-9 ATV	ATV/HDOTR	19	29
90	22X7-9 ATV	ATV/HDOTR	13	20
91	22X8-9	HDOTR	14	21
92	22X10-9 ATV	ATV/HDOTR	19	29
93	22X11-9 ATV	ATV/HDOTR	21	32
94	23X11-9 ATV	ATV/HDOTR	21	32
95	24X13-9 ATV	ATV/HDOTR	27	41
96	25X11-9 ATV	ATV/HDOTR	24	36
97	25X12-9 ATV	ATV/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	ATV/HDOTR	16	24
109	18X10.50-10	HDOTR	16	24
110	18X11-10 ATV	ATV/HDOTR	17	26
111	19X6-10 ATV	ATV/HDOTR	10	15
112	20X7-10 ATV	ATV/HDOTR	12	18
113	20X7.50-10	HDOTR	27	41
114	20X8-10 ATV	ATV/HDOTR	14	21
115	20X10-10 ATV	ATV/HDOTR	20	30
116	20X11-10 ATV	ATV/HDOTR	19	29

Ride-On Tire Protection System (TPS) Dosage Table

No.	Tire Size Designation	Formula	Regular oz. (Units)	Severe oz. (Units)
117	20X12.00-10	HDOTR	37	56
118	20.5X8.0-10	HDOTR	30	45
119	21X7-10 ATV	ATV/HDOTR	15	23
120	21X8-10 ATV	ATV/HDOTR	16	24
121	21X9-10	HDOTR	15	23
122	21X10-10 ATV	ATV/HDOTR	19	29
123	21X11.00-10	HDOTR	19	29
124	22X7-10 ATV	ATV/HDOTR	13	20
125	22X8-10 ATV	ATV/HDOTR	16	24
126	22X8.00-10	HDOTR	28	42
127	22X9-10 ATV	ATV/HDOTR	17	26
128	22X9.50-10	HDOTR	18	27
129	22X10-10 ATV	ATV/HDOTR	19	29
130	22X11-10 ATV	ATV/HDOTR	21	32
131	22X11.00-10	HDOTR	38	57
132	23X7-10 ATV	ATV/HDOTR	14	21
133	23X8-10 ATV	ATV/HDOTR	19	29
134	23X9-10 ATV	ATV/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	ATV/HDOTR	17	26
142	25X11-10 ATV	ATV/HDOTR	23	35
143	25X12-10 ATV	ATV/HDOTR	26	39
144	27X9-10	HDOTR	47	71
145	27X15-10	HDOTR	76	114
146				
147	22X7-11 ATV	ATV/HDOTR	12	18
148	23X8-11 ATV	ATV/HDOTR	16	24
149	23X9-11 ATV	ATV/HDOTR	17	26
150	23.5X8-11 ATV	ATV/HDOTR	15	23
151	24X8-11 ATV	ATV/HDOTR	17	26
152	24X9-11 ATV	ATV/HDOTR	19	29
153	24X10-11 ATV	ATV/HDOTR	21	32
154	24.5X8-11 ATV	ATV/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/AUTO	7	9
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/AUTO	8	10
169	145/80 12	CHS/AUTO	8	10
170	155/80 12	CHS/AUTO	9	11
171	205/80-12	HDOTR	30	45
172	165/70 12	CHS/AUTO	9	11
173	255/65-12	HDOTR	37	56
174	270/60-12	HDOTR	41	62

Ride-On Tire Protection System (TPS) Dosage Table

No.	Tire Size Designation	Formula	Regular oz. (Units)	Severe oz. (Units)
175	22X7.50-12	HDOTR	30	45
176	22X9.50-12	HDOTR	30	45
177	23X8-12 ATV	ATV/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	ATV/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	ATV/HDOTR	17	26
193	25X10-12 ATV	ATV/HDOTR	21	32
194	25X11-12	HDOTR	20	30
195	26x8-12 ATV	ATV/HDOTR	11	17
196	26X10-12	HDOTR	22	33
197	26x10-12 ATV	ATV/HDOTR	13	20
198	26X10.5-12	HDOTR	22	33
199	26x11-12 ATV	HDOTR	25	38
200	26x11-12	CHS/AUTO	19	24
201	26X12.00-12	HDOTR	57	86
202	26.5X14.00-12	HDOTR	60	90
203	27X9-12 ATV	ATV/HDOTR	14	21
204	27X10-12	HDOTR	50	75
205	27X11-12 ATV	ATV/HDOTR	17	26
206	27X12-12 ATV	ATV/HDOTR	18	27
207				
208	6.00-13	HDOTR	28	42
209	6.50-13 TR	CHS/AUTO	11	14
210	A78-13 TR	CHS/AUTO	11	14
211	B78-13 TR	CHS/AUTO	12	15
212	C78-13 TR	CHS/AUTO	12	15
213	145/80 13	CHS/AUTO	8	10
214	155/80 13	CHS/AUTO	9	11
215	155/80 13 TR	CHS/AUTO	9	11
216	165/80 13	CHS/AUTO	10	13
217	175/80 13	CHS/AUTO	11	14
218	175/80 13 TR	CHS/AUTO	11	14
219	185/80 13	CHS/AUTO	12	15
220	185/80 13 TR	CHS/AUTO	12	15
221	185/80-13	HDOTR	28	42
222	155/70 13	CHS/AUTO	9	11
223	165/70 13	CHS/AUTO	10	13
224	175/70 13	CHS/AUTO	10	13
225	185/70 13	CHS/AUTO	11	14
226	195/70 13	CHS/AUTO	12	15
227	205/70 13	CHS/AUTO	13	16
228	165/65 13	CHS/AUTO	9	11
229	195/65 13	CHS/AUTO	12	15
230	185/60 13	CHS/AUTO	11	14
231	195/60 13	CHS/AUTO	11	14
232	205/60 13	CHS/AUTO	12	15

Ride-On Tire Protection System (TPS) Dosage Table

No.	Tire Size Designation	Formula	Regular oz. (Units)	Severe oz. (Units)
233	215/60 13	CHS/AUTO	13	16
234	235/60 13	CHS/AUTO	15	19
235	215/50 13	CHS/AUTO	13	16
236	215/50 13	HDOTR	30	45
237	235/50 13	CHS/AUTO	14	18
238	245/50 13	CHS/AUTO	15	19
239				
240	E78-14 TR	CHS/AUTO	14	18
241	F-78-14 TR	CHS/AUTO	14	18
242	G78-14 TR	CHS/AUTO	16	20
243	H78-14 TR	CHS/AUTO	17	21
244	F70-14 TR	CHS/AUTO	15	19
245	H70-14 TR	CHS/AUTO	17	21
246	6.00-14	HDOTR	32	48
247	7.-14	HDOTR	29	44
248	7.50-14	HDOTR	32	48
249	8.5L-14	HDOTR	38	57
250	9.5L-14	HDOTR	43	65
251	11L-14	HDOTR	51	77
252	175/75 14	CHS/AUTO	12	15
253	185/75 14	CHS/AUTO	12	15
254	195/75 14	CHS/AUTO	14	18
255	205/75 14	CHS/AUTO	15	19
256	205/75 14 TR	CHS/AUTO	15	19
257	215/75 14	CHS/AUTO	16	20
258	215/75 14 TR	CHS/AUTO	16	20
259	225/75 14	CHS/AUTO	16	20
260	245/75 14	CHS/AUTO	18	23
261	175/70 14	CHS/AUTO	11	14
262	185/70 14	CHS/AUTO	12	15
263	195/70 14	CHS/AUTO	13	16
264	205/70 14	CHS/AUTO	14	18
265	215/70 14	CHS/AUTO	16	20
266	225/70 14	CHS/AUTO	16	20
267	235/70 14	CHS/AUTO	17	21
268	245/70 14	CHS/AUTO	18	23
269	165/65 14	CHS/AUTO	10	13
270	175/65 14	CHS/AUTO	10	13
271	185/65 14	CHS/AUTO	11	14
272	195/65 14	CHS/AUTO	12	15
273	215/65 14	CHS/AUTO	14	18
274	175/60 14	CHS/AUTO	10	13
275	185/60 14	CHS/AUTO	11	14
276	195/60 14	CHS/AUTO	12	15
277	205/60 14	CHS/AUTO	13	16
278	215/60 14	CHS/AUTO	14	18
279	225/60 14	CHS/AUTO	14	18
280	235/60 14	CHS/AUTO	16	20
281	245/60 14	CHS/AUTO	16	20
282	255/60 14	CHS/AUTO	17	21
283	265/60 14	CHS/AUTO	19	24
284	275/60 14	CHS/AUTO	19	24
285	255/55 14	CHS/AUTO	17	21
286	245/50 14	CHS/AUTO	15	19
287	265/50 14	CHS/AUTO	17	21
288	23X8.50-14	HDOTR	29	36
289	24X8.50-14	HDOTR	38	57
290	25X8.50-14	HDOTR	33	50

Ride-On Tire Protection System (TPS) Dosage Table

No.	Tire Size Designation	Formula	Regular oz. (Units)	Severe oz. (Units)
291	27x8.5-14	CHS/AUTO	16	20
292	27x9Rx14 ATV	ATV/HDOTR	22	28
293	27x11Rx14 ATV	ATV/HDOTR	26	33
294				
295	7-14.5 MH	CHS/AUTO	13	16
296	8-14.5 MH	CHS/AUTO	15	19
297	9-14.5 MH	CHS/AUTO	18	23
298				
299	E78-15 TR	CHS/AUTO	13	16
300	F78-15 TR	CHS/AUTO	15	19
301	G78-15 TR	CHS/AUTO	15	19
302	H78-15 TR	CHS/AUTO	17	21
303	2.5-15	HDOTR	41	62
304	3.00-15	HDOTR	58	87
305	4.00-15	HDOTR	19	29
306	5.00-15	HDOTR	24	36
307	5.70-15	HDOTR	27	41
308	5.90-15	HDOTR	25	38
309	6.00-15	HDOTR	32	48
310	6.40-15	HDOTR	27	41
311	6.70-15	HDOTR	29	44
312	6.70-15 LT	CHS/AUTO	15	19
313	7.00-15	HDOTR	44	66
314	7.00-15 LT	CHS/AUTO	16	20
315	7.50-15	HDOTR	50	75
316	7.50-15	CHS/AUTO	19	24
317	7.60-15	HDOTR	34	51
318	7.75-15	CHS/AUTO	14	18
319	8.25-15	HDOTR	57	86
320	8.25-15	CHS/AUTO	22	28
321	8.55-15	CHS/AUTO	17	21
322	9.00-15	HDOTR	68	102
323	9.00-15	CHS/AUTO	25	31
324	9.5L-15	HDOTR	52	78
325	10.00-15	HDOTR	76	114
326	10.00-15	CHS/AUTO	27	34
327	11.00-15	HDOTR	83	125
328	11.00-15	CHS/AUTO	31	39
329	12.5L-15	HDOTR	63	95
330	14.50-15	HDOTR	95	143
331	250-15	HDOTR	52	78
332	300-15	HDOTR	72	108
333	25X7.50-15	HDOTR	34	51
334	25X10.50-15	HDOTR	41	62
335	25X12.50-15	HDOTR	55	83
336	27X8.50-15	HDOTR	40	60
337	27X9.50-15	HDOTR	44	66
338	27X10.50-15	HDOTR	50	75
339	28X9-15	HDOTR	44	66
340	28X12-15	HDOTR	62	93
341	28X13-15	HDOTR	67	101
342	29X8-15	HDOTR	42	63
343	29x9.5-15 LT	CHS/AUTO	19	24
344	29X12.50-15	HDOTR	64	96
345	29X14.00-15	HDOTR	64	96
346	30X8-15	HDOTR	44	66
347	30x9.5-15 LT	CHS/AUTO	19	24
348	31x10.5-15 LT	CHS/AUTO	22	28

Ride-On Tire Protection System (TPS) Dosage Table

No.	Tire Size Designation	Formula	Regular oz. (Units)	Severe oz. (Units)
349	31x11.5-15 LT	CHS/AUTO	24	30
350	31X12.50-15	HDOTR	69	104
351	31X13.50-15	HDOTR	77	116
352	31X15.50-15	HDOTR	87	131
353	32x11.5-15 LT	CHS/AUTO	25	31
354	32X12-15	HDOTR	72	108
355	32x14-15	CHS/AUTO	30	45
356	32X15-15	HDOTR	86	129
357	33X12.50-15	HDOTR	74	111
358	33x12.5-15 LT	CHS/AUTO	28	35
359	35x12.5-15 LT	CHS/AUTO	31	39
360	35x14-15 LT	CHS/AUTO	31	39
360	35X15-15	HDOTR	95	143
361	36X11-15	HDOTR	73	110
362	36X13.50-15	HDOTR	90	135
363	36x14.5-15 LT	CHS/AUTO	34	43
364	38X16-15	HDOTR	113	170
365	8.5/90 15	HDOTR	46	69
366	195/75 15	CHS/AUTO	14	18
367	205/75 15	CHS/AUTO	14	18
368	205/75 15 LT	CHS/AUTO	15	19
369	215/75 15	CHS/AUTO	16	20
370	225/75 15	CHS/AUTO	18	23
371	225/75 15 TR	CHS/AUTO	18	23
372	235/75 15	CHS/AUTO	18	23
373	245/75 15	CHS/AUTO	19	24
374	255/75 15	CHS/AUTO	21	26
375	265/75 15	CHS/AUTO	22	28
376	185/70 15	CHS/AUTO	12	15
377	195/70 15	CHS/AUTO	13	16
378	205/70 15	CHS/AUTO	14	18
379	215/70 15	CHS/AUTO	15	19
380	215/70-15	HDOTR	35	53
381	225/70 15	CHS/AUTO	16	20
382	235/70 15	CHS/AUTO	17	21
383	245/70 15	CHS/AUTO	19	24
384	255/70 15	CHS/AUTO	20	25
385	265/70 15	CHS/AUTO	22	28
386	285/70 15	CHS/AUTO	24	30
387	315/70 15	CHS/AUTO	28	35
388	185/65 15	CHS/AUTO	12	15
389	195/65 15	CHS/AUTO	13	16
390	205/65 15	CHS/AUTO	14	18
391	215/65 15	CHS/AUTO	15	19
392	225/65 15	CHS/AUTO	14	18
393	235/65 15	CHS/AUTO	17	21
394	255/65 15	CHS/AUTO	19	24
395	260/65-15	HDOTR	43	65
396	185/60 15	CHS/AUTO	12	15
397	195/60 15	CHS/AUTO	13	16
398	205/60 15	CHS/AUTO	13	16
399	215/60 15	CHS/AUTO	14	18
400	225/60 15	CHS/AUTO	15	19
401	235/60 15	CHS/AUTO	16	20
402	245/60 15	CHS/AUTO	17	21
403	255/60 15	CHS/AUTO	18	23
404	265/60 15	CHS/AUTO	19	24
405	275/60 15	CHS/AUTO	20	25

Ride-On Tire Protection System (TPS) Dosage Table

No.	Tire Size Designation	Formula	Regular oz. (Units)	Severe oz. (Units)
406	390/60-15	HDOTR	75	113
407	325/60 15 LT	CHS/AUTO	27	34
408	195/55 15	CHS/AUTO	12	15
409	205/55 15	CHS/AUTO	13	16
410	225/55 15	CHS/AUTO	15	19
411	255/55 15	CHS/AUTO	18	23
412	195/50 15	CHS/AUTO	12	15
413	205/50 15	CHS/AUTO	13	16
414	225/50 15	CHS/AUTO	14	18
415	245/50 15	CHS/AUTO	16	20
416	265/50 15	CHS/AUTO	18	23
417	275/50 15	CHS/AUTO	19	24
418	295/50 15	CHS/AUTO	21	26
419	305/50 15	CHS/AUTO	22	28
420	325/50 15	CHS/AUTO	24	30
421				
422	4.50-16	HDOTR	19	29
423	5.50-16	HDOTR	29	44
424	6.00-16	HDOTR	32	48
425	6.50-16	HDOTR	36	54
426	6.50-16 LT	CHS/AUTO	15	19
427	7.00-16	HDOTR	32	48
428	7.00-16	CHS/AUTO	19	24
429	7.2-16	HDOTR	34	51
430	7.50/8.00-16	HDOTR	43	65
431	7.50-16	HDOTR	51	77
432	7.50-16 LT	CHS/AUTO	19	24
433	8.00-16	HDOTR	47	71
434	8.3-16	HDOTR	41	62
435	9.00-16	HDOTR	48	72
436	9.5-16	HDOTR	49	74
437	10.00-16	HDOTR	68	102
438	11.00-16	HDOTR	84	126
439	11.2-16	HDOTR	66	99
440	12L-16	HDOTR	71	107
441	12.4-16	HDOTR	73	110
442	12.5L-16	HDOTR	65	98
443	13.6-16	HDOTR	81	122
444	325/85 16	CHS/AUTO	33	41
445	215/85 16	CHS/AUTO	18	23
446	235/85 16	CHS/AUTO	20	25
447	255/85 16	CHS/AUTO	23	29
448	155/80 16	CHS/AUTO	11	14
449	325/80 16 LT	CHS/AUTO	31	39
450	80/75 16	HDOTR	10	13
451	185/75 16	CHS/AUTO	13	16
452	195/75 16	CHS/AUTO	14	18
453	225/75 16	CHS/AUTO	18	23
454	235/75 16	CHS/AUTO	18	23
455	245/75 16	CHS/AUTO	20	25
456	265/75 16	CHS/AUTO	23	29
457	285/75 16	CHS/AUTO	25	31
458	315/75 16 LT	CHS/AUTO	28	35
459	235/70 16	CHS/AUTO	19	24
460	240/70 16	HDOTR	43	60
461	245/70 16	CHS/AUTO	19	24
462	255/70 16	CHS/AUTO	21	26
463	265/70 16	CHS/AUTO	22	28

Ride-On Tire Protection System (TPS) Dosage Table

No.	Tire Size Designation	Formula	Regular oz. (Units)	Severe oz. (Units)
464	275/70 16	CHS/AUTO	24	30
465	305/70 16	CHS/AUTO	26	33
466	205/65 16	CHS/AUTO	14	18
467	215/65 16	CHS/AUTO	15	19
468	255/65 16	CHS/AUTO	20	25
469	320/65 16	HDOTR	63	95
470	205/60 16	CHS/AUTO	14	18
471	215/60 16	CHS/AUTO	15	19
472	225/60 16	CHS/AUTO	16	20
473	235/60 16	CHS/AUTO	17	21
474	255/60 16	CHS/AUTO	18	23
475	275/60 16	HDOTR	48	72
476	205/55 16	CHS/AUTO	14	18
477	215/55 16	CHS/AUTO	15	19
478	225/55 16	CHS/AUTO	15	19
479	235/55 16	CHS/AUTO	17	21
480	255/55 16	CHS/AUTO	18	23
481	205/50 16	CHS/AUTO	13	16
482	225/50 16	CHS/AUTO	15	19
483	235/50 16	CHS/AUTO	16	20
484	245/50 16	CHS/AUTO	17	21
485	255/50 16	CHS/AUTO	18	23
486	265/50 16	CHS/AUTO	19	24
487	275/50 16	CHS/AUTO	20	25
488	245/45 16	CHS/AUTO	15	19
489	265/45 16	CHS/AUTO	17	21
490	205/40 16	CHS/AUTO	12	15
491				
492	13.50-16.1	HDOTR	88	132
493	14L-16.1	HDOTR	81	122
494	14L-16.1	HDOTR	97	146
495	14.5/75-16.1	HDOTR	97	146
496	16.5L-16.1	HDOTR	126	189
497	16.5L-16.1	HDOTR	104	156
498	18.4-16.1	HDOTR	118	177
499	19L-16.1	HDOTR	127	191
500	21.5L-16.1	HDOTR	150	225
501	38X20.00-16.1	HDOTR	112	168
502				
503	8.00-16.5 LT	CHS/AUTO	15	19
504	8.75-16.5 LT	CHS/AUTO	17	21
505	9.50-16.5 LT	CHS/AUTO	19	24
506	10-16.5 LT	CHS/AUTO	24	30
507	10-16.5	HDOTR	56	84
508	12-16.5 LT	CHS/AUTO	28	35
509	12-16.5	HDOTR	68	102
510	265/70-16.5	HDOTR	51	77
511	305/70-16.5	HDOTR	63	95
512	330/55-16.5	HDOTR	63	95
513	395/55-16.5	HDOTR	80	120
514	36x15.5x16.5 LT	CHS/AUTO	37	46
515	37x12.5x16.5 LT	CHS/AUTO	30	38
516	38x15.5 16.5 LT	CHS/AUTO	39	49
517				
518	235/80 17 LT	CHS/AUTO	19	24
519	265/75 17	CHS/AUTO	22	28
520	245/75 17 LT	CHS/AUTO	19	24
521	235/70 17	CHS/AUTO	19	24

Ride-On Tire Protection System (TPS) Dosage Table

No.	Tire Size Designation	Formula	Regular oz. (Units)	Severe oz. (Units)
522	245/70 17 LT	CHS/AUTO	19	24
523	265/70 17	CHS/AUTO	22	28
524	285/70 17	CHS/AUTO	24	30
525	315/70 17 LT	CHS/AUTO	30	38
526	275/65 17 LT	CHS/AUTO	22	28
527	265/65 17 LT	CHS/AUTO	21	26
528	255/65 17 LT	CHS/AUTO	20	25
529	245/65 17 LT	CHS/AUTO	19	24
530	235/65 17	CHS/AUTO	18	23
531	215/65 17	CHS/AUTO	16	20
532	305/60 17 LT	CHS/AUTO	25	31
533	285/60 17	CHS/AUTO	23	29
534	275/60 17	CHS/AUTO	22	28
535	225/60 17	CHS/AUTO	16	20
536	205/50 17	CHS/AUTO	13	16
537	215/50 17	CHS/AUTO	14	18
538	235/50 17	CHS/AUTO	16	20
539	255/ 50 17	CHS/AUTO	18	23
540	225/55 17	CHS/AUTO	16	20
541	235/55 17	CHS/AUTO	16	20
542	215/45 17	CHS/AUTO	14	18
543	225/45 17	CHS/AUTO	16	20
544	235/45 17	CHS/AUTO	17	21
545	245/45 17	CHS/AUTO	16	20
546	255/45 17	CHS/AUTO	17	21
547	315/45 17	CHS/AUTO	23	29
548	235/40 17	CHS/AUTO	16	20
549	245/40 17	CHS/AUTO	16	20
550	265/40 17	CHS/AUTO	17	21
551	275/40 17	CHS/AUTO	18	23
552	285/40 17	CHS/AUTO	19	24
553	285/35 17	CHS/AUTO	19	24
554	315/35 17	CHS/AUTO	21	26
555	335/35 17	CHS/AUTO	23	29
556	35x12.50x17 LT	CHS/AUTO	29	36
557	35x13x17 LT	CHS/AUTO	30	38
558	37x12.50x17 LT	CHS/AUTO	30	38
559	37x12.50x17	HDOTR	28	42
560	37x13x17 LT	CHS/AUTO	31	39
561				
562	215/75 17.5 LT	CHS/AUTO	17	21
563	235/75 17.5 TR	CHS/AUTO	19	24
564	245/70 17.5 TR	CHS/AUTO	20	25
565	355/70-17.5	HDOTR	80	120
566	8-17.5 HC	CHS/AUTO	17	21
567	8.5-17.5	CHS/AUTO	16	20
568	9-17.5 HC	CHS/AUTO	20	25
569	9.5-17.5	CHS/AUTO	20	25
570	10-17.5 HC	CHS/AUTO	23	29
571	11-17.5 HC	CHS/AUTO	27	34
572	14-17.5 HC	CHS/AUTO	38	48
573	14-17.5	HDOTR	87	131
574	36X16-17.5	HDOTR	82	123
575				
576	4.00-18	HDOTR	18	27
577	7.50-18	HDOTR	41	62
578	7.50-18	HDOTR	48	72
579	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)
580	12.5-18	HDOTR	74	111
581	12.5/80-18	HDOTR	74	111
582	15.0/55-18	HDOTR	83	125
583	275/80 18	HDOTR	62	93
584	335/80 18	HDOTR	82	123
585	275/75 18	CHS/AUTO	24	30
586	275/70 18LT	CHS/AUTO	24	30
587	320/65 18	HDOTR	67	101
588	340/65 18	HDOTR	75	113
589	235/65 18	CHS/AUTO	18	23
590	275/65 18 LT	CHS/AUTO	23	29
591	285/65 18 LT	CHS/AUTO	25	31
592	325/65 18 LT	CHS/AUTO	29	36
593	315/60 18 LT	CHS/AUTO	27	34
594	225/60 18	CHS/AUTO	17	21
595	255/60 18	CHS/AUTO	20	25
596	255/55 18	CHS/AUTO	20	25
597	275/55 18	CHS/AUTO	21	26
598	285/55 18	CHS/AUTO	23	29
599	305/55 18 LT	CHS/AUTO	25	31
600	225/45 18	CHS/AUTO	15	19
601	235/45 18	CHS/AUTO	16	20
602	245/45 18	CHS/AUTO	17	21
603	255/45 18	CHS/AUTO	18	23
604	295/45 18	CHS/AUTO	22	28
605	225/40 18	CHS/AUTO	15	19
606	235/40 18	CHS/AUTO	15	19
607	245/40 18	CHS/AUTO	16	20
608	255/40 18	CHS/AUTO	17	21
609	265/40 18	CHS/AUTO	18	23
610	275/40 18	CHS/AUTO	19	24
611	215/35 18	CHS/AUTO	13	16
612	245/35 18	CHS/AUTO	16	20
613	275/35 18	CHS/AUTO	18	23
614	285/35 18	CHS/AUTO	19	24
615	35X12.5X R18 LT	CHS/AUTO	29	36
616	335/30 18	CHS/AUTO	23	29
617				
618	4.00-19	HDOTR	22	33
619	260/80 19	HDOTR	60	90
620	255/45 19	CHS/AUTO	19	24
621	255/40 19	CHS/AUTO	18	23
622	235/35 19	CHS/AUTO	16	20
623	245/35 19	CHS/AUTO	16	20
624	305/30 19	CHS/AUTO	21	26
625				
626	8-19.5	CHS	23	29
627	15-19.5	CHS	58	73
628	15-19.50	HDOTR	100	150
629	16.5-19.5	CHS	60	75
630	33/16LL500	HDOTR	83	104
631	18-19.5	HDOTR	140	210
632	18-19.5	CHS	73	91
633	19.5-19.5	CHS	75	94
634	385/65-19.5	HDOTR	96	144
635	445/65 19.5	CHS	68	85
636	225/70 19.5	CHS	24	30
637	245/70 19.5	CHS	27	34

Ride-On Tire Protection System (TPS) Dosage Table

No.	Tire Size Designation	Formula	Regular oz. (Units)	Severe oz. (Units)
638	265/70 19.5	CHS	29	36
639	285/70 19.5	CHS	32	40
640	305/70 19.5	CHS	37	46
641	40X19-19.5	HDOTR	117	176
642				
643	7.50-20	CHS	24	30
644	7.50-20	HDOTR	51	77
645	8.25-20	CHS	31	39
646	8.25-20	HDOTR	63	95
647	8.50-20	HDOTR	63	95
648	9.00-20	CHS	36	45
649	9.00-20	HDOTR	73	110
650	9.50-20	HDOTR	68	102
651	10.00-20	CHS	40	50
652	10.00-20	HDOTR	84	126
653	10.00/10.5-20	HDOTR	66	99
654	11.00-20	CHS	44	55
655	11.00-20	HDOTR	90	135
656	11.2-20	HDOTR	71	107
657	11.50-20	CHS	37	46
658	12.00-20	CHS	47	59
659	12.00-20	HDOTR	100	150
660	12.4-20	HDOTR	83	125
661	12.5-20	HDOTR	80	120
662	12.5-20	CHS	39	49
663	13.00-20	CHS	53	66
664	13.00-20	HDOTR	106	159
665	13.6-20	HDOTR	93	140
666	14.00-20	CHS	63	79
667	14.00-20	HDOTR	134	201
668	14.5-20	CHS	46	58
669	14.75/80 20	CHS	47	59
670	15.5/80 20	CHS	53	66
671	16.00-20	CHS	73	91
672	13/80 20	CHS	38	48
673	260/80 20	HDOTR	60	90
674	275/80 20	HDOTR	64	96
675	335/80 20	HDOTR	86	129
676	365/80 20	CHS	47	59
677	395/85 20	CHS	54	68
678	405/85 20	CHS	55	69
679	375/75 20	HDOTR	99	149
680	425/75 20	HDOTR	123	185
681	380/70 20	HDOTR	96	144
682	405/70 20	HDOTR	104	156
683	420/65 20	HDOTR	103	155
684	275/60 20 LT	CHS/AUTO	23	35
685	325/60 20 LT	CHS/AUTO	30	42
686	275/55 20 LT	CHS/AUTO	23	32
687	265/50 20	CHS	19	24
688	285/50 20	CHS/AUTO	23	29
688	305/50 20 LT	CHS/AUTO	25	31
689	325/50 20 LT	CHS/AUTO	27	34
690	295/45 20	CHS	22	28
691	295/45 20 LT	CHS/AUTO	23	29
692	245/40 20	CHS	16	20
693	295/40 20	CHS	21	26
694	305/40 20 LT	CHS/AUTO	23	29

Ride-On Tire Protection System (TPS) Dosage Table

No.	Tire Size Designation	Formula	Regular oz. (Units)	Severe oz. (Units)
695	275/40 20	CHS/AUTO	21	26
696	275/35 20	CHS/AUTO	20	25
697	245/35 20	CHS/AUTO	17	21
698	38X14.00-20	HDOTR	94	141
699	38X18.00-20	HDOTR	121	182
700	38X20.00-20	HDOTR	129	194
701	41X14.00-20	HDOTR	101	152
702	42X25.00-20	HDOTR	179	269
703	44X18-20	HDOTR	147	221
704	44X18.00-20	HDOTR	140	210
705	44X41.00-20	HDOTR	302	453
706	48X25.00-20	HDOTR	211	317
707	48X31.00-20	HDOTR	258	387
708				
709	12.00-21	CHS	53	66
710	12.00-21	HDOTR	102	153
711	14.00-21	HDOTR	137	206
712	14.00-21	CHS	70	88
713	16.00-21	HDOTR	173	260
714	16.00-21	CHS	81	101
715	24-21	CHS	107	134
716				
717	7.50-22	HDOTR	49	74
718	9.00-22	CHS	44	55
719	10.00-22	CHS	47	59
720	11.00-22	CHS	51	64
721	325/40 22 LT	CHS/AUTO	27	34
722	305/45 22 LT	CHS/AUTO	26	33
723				
724	8-22.5	CHS	25	31
725	9-22.5	CHS	34	43
726	9-22.5	HDOTR	61	92
727	10-22.5	CHS	40	50
728	10-22.5	HDOTR	71	107
729	11-22.5	CHS	40	50
730	11-22.5	HDOTR	83	125
731	12-22.5	CHS	40	50
732	12-22.5	HDOTR	92	138
733	12.5-22.5	CHS	38	48
734	12.75-22.5	CHS	39	49
735	13-22.5	CHS	43	54
736	13-22.5	HDOTR	104	156
737	15-22.5	CHS	62	78
738	16.5-22.5	CHS	71	89
739	18-22.5	CHS	78	98
740	41/18LL 22.5	HDOTR	116	174
741	445/45 22.5	CHS	58	73
742	455/45 22.5	CHS	58	73
743	495/45 22.5	CHS	64	80
744	445/50 22.5	CHS	56	70
745	700/50 22.5	HDOTR	216	324
746	710/45 22.5	HDOTR	211	317
747	445/55 22.5	CHS	60	75
748	455/55 22.5	CHS	62	78
749	385/65 22.5	CHS	59	74
750	385/65-22.5	HDOTR	103	155
751	425/65 22.5	CHS	67	84
752	445/65 22.5	CHS	72	90

Ride-On Tire Protection System (TPS) Dosage Table

No.	Tire Size Designation	Formula	Regular oz. (Units)	Severe oz. (Units)
753	445/65-22.5	HDOTR	130	195
754	255/70 22.5	CHS	31	39
755	275/70R22.5	CHS	34	43
756	305/70R22.5	CHS	38	48
757	245/75 22.5	CHS	31	39
758	265/75 22.5	CHS	34	43
759	295/75 22.5	CHS	36	45
760	305/75 22.5	CHS	41	51
761	235/80 22.5	CHS	28	35
762	255/80 22.5	CHS	31	39
763	275/80 22.5	CHS	36	45
764	295/80 22.5	CHS	40	50
765	315/80 22.5	CHS	44	55
766	365/80 22.5	CHS	53	66
767				
768	305/40 23 LT	CHS	24	34
769				
770	7.50-24	HDOTR	55	83
771	8.3-24	HDOTR	51	77
772	9.00-24	HDOTR	72	108
773	9.5-24	HDOTR	61	92
774	10.00-24	CHS	49	61
775	10.00-24	HDOTR	88	132
776	11.00-24	CHS	53	66
777	11.00-24	HDOTR	101	152
778	11.2-24	HDOTR	76	114
779	11.25-24	HDOTR	92	138
780	12.00-24	CHS	58	73
781	12.00-24	HDOTR	109	164
782	12.4-24	HDOTR	89	134
783	13.00-24	HDOTR	128	192
784	13.00-24	CHS	65	81
785	13.6-24	HDOTR	101	152
786	14.00-24	CHS	75	94
787	14.00-24	HDOTR	144	216
788	14.9-24	HDOTR	116	174
789	15.5-24	HDOTR	121	182
790	16.00-24	CHS	88	110
791	16.00-24	HDOTR	154	231
792	16.9-24	HDOTR	139	209
793	17.5L-24	HDOTR	157	236
794	18.4-24	HDOTR	159	239
795	19.5L-24	HDOTR	186	279
796	21L-24	HDOTR	210	315
797	280/85 24	HDOTR	74	111
798	320/70 24	HDOTR	85	128
799	320/75 24	HDOTR	85	128
800	360/70 24	HDOTR	101	152
801	380/70 24	HDOTR	110	165
802	420/70-24	HDOTR	121	182
803	440/65 24	HDOTR	121	182
804	445/70 24	HDOTR	139	209
805	480/65 24	HDOTR	137	206
806	495/70 24	HDOTR	161	242
807	540/65 24	HDOTR	166	249
808	48X20.00-24	HDOTR	153	230
809				
810	11-24.5	CHS	47	59

Ride-On Tire Protection System (TPS) Dosage Table

No.	Tire Size Designation	Formula	Regular oz. (Units)	Severe oz. (Units)
811	12-24.5	CHS	50	63
812	12-24.5	HDOTR	95	143
813	13.5-24.5	CHS	52	65
814	275/80 24.5	CHS	37	46
815	285/75 24.5	CHS	39	49
816	305/75 24.5	CHS	42	53
817				
818	11.00-25	CHS	54	68
819	12.00-25	CHS	58	73
820	13.00-25	HDOTR	130	195
821	14.00-25	CHS	77	96
822	15.50-25	HDOTR	144	216
823	16.00-25	HDOTR	185	278
824	17.50-25	HDOTR	172	258
825	18.00-25	HDOTR	231	347
826	20.50-25	HDOTR	223	335
827	21.00-25	HDOTR	285	428
828	23.50-25	HDOTR	277	416
829	24.00-25	HDOTR	348	522
830	26.50-25	HDOTR	348	522
831	29.50-25	HDOTR	400	600
832	25/65-25	HDOTR	263	395
833	30/65-25	HDOTR	353	530
834	355/55-25	HDOTR	70	105
835	800/50-25	HDOTR	75	113
836	1000/50 25	HDOTR	431	647
837	1050/50 25	HDOTR	435	653
838	54x37.00-25	HDOTR	326	489
839	66X43.00-25	HDOTR	479	719
840	66X44.00-25	HDOTR	508	762
841	67X34.00-25	HDOTR	398	597
842				
843	13.6-26	HDOTR	105	158
844	14.9-26	HDOTR	121	182
845	16.9-26	HDOTR	144	216
846	18.00-26	HDOTR	236	354
847	18.4-26	HDOTR	190	285
848	23.1-26	HDOTR	265	398
849	28L-26	HDOTR	324	486
850	580/70 26	HDOTR	207	311
851	620/70 26	HDOTR	230	345
852	620/75 26	HDOTR	243	365
853	540/65 26	HDOTR	174	261
854	750/65 26	HDOTR	304	456
855	54X31.00-26	HDOTR	289	434
856	57X31.00-26	HDOTR	273	410
857	66X43.00-26	HDOTR	479	719
858	67X34.00-26	HDOTR	398	597
859				
860	600/55-26.5	HDOTR	195	293
861	700/50-26.5	HDOTR	228	342
862				
863	9.5-28	HDOTR	69	104
864	11.2-28	HDOTR	83	125
865	11.25-28	HDOTR	100	150
866	12.4-28	HDOTR	96	144
867	13.6-28	HDOTR	110	165
868	14.9-28	HDOTR	126	189

Ride-On Tire Protection System (TPS) Dosage Table

No.	Tire Size Designation	Formula	Regular oz. (Units)	Severe oz. (Units)
869	16.8-28	HDOTR	148	222
870	16.9-28	HDOTR	150	225
871	18.4-28	HDOTR	170	255
872	19.5L-28	HDOTR	179	269
873	21L-28	HDOTR	194	291
874	420/70 28	HDOTR	140	210
875	480/70 28	HDOTR	168	252
876	440/65 28	HDOTR	131	197
877	480/65 28	HDOTR	149	224
878	540/65 28	HDOTR	180	270
879	600/65 28	HDOTR	214	321
880				
881	24.00-29	HDOTR	366	549
882	26.50-29	HDOTR	354	531
883	29.50-29	HDOTR	420	630
884	30/65-29	HDOTR	380	570
885	33.25-29	HDOTR	506	759
886				
887	7.2-30	HDOTR	47	71
888	7.50-15 30	HDOTR	44	66
889	14.9-30	HDOTR	141	212
890	16.9-30	HDOTR	177	266
891	18.0-30	HDOTR	202	303
892	18.4-30	HDOTR	176	264
893	23.1-30	HDOTR	243	365
894	420/90 30	HDOTR	155	233
895	620/75 30	HDOTR	251	377
896	480/70 30	HDOTR	167	251
897	540/65 30	HDOTR	187	281
898	67X34.00-30	HDOTR	398	597
899				
900	9.5-32	HDOTR	73	110
901	12.4-32	HDOTR	103	155
902	24.5-32	HDOTR	314	471
903	30.5L-32	HDOTR	395	593
904	35.5L-32	HDOTR	440	660
905	650/75 32	HDOTR	282	423
906	680/75 32	HDOTR	306	459
907	800/65 32	HDOTR	357	536
908	1050/50 32	HDOTR	496	744
909	68X50.00-32	HDOTR	594	891
910	VA73X44.00-32	HDOTR	561	842
911	76x50.00-32	HDOTR	598	897
912	78x45.00-32	HDOTR	564	846
913				
914	18.00-33	HDOTR	258	387
915	21.00-33	HDOTR	295	443
916	24.00-33	HDOTR	363	545
917	27.00-33	HDOTR	485	728
918	29.50-33	HDOTR	419	629
919	33.50-33	HDOTR	541	812
920	35/65-33	HDOTR	511	767
921	37.50-33	HDOTR	647	971
922	DH73X44.00-33	HDOTR	561	842
923				
924	14.9-34	HDOTR	138	207
925	16.9-34	HDOTR	165	248
926	18.4-34	HDOTR	215	323

Ride-On Tire Protection System (TPS) Dosage Table

No.	Tire Size Designation	Formula	Regular oz. (Units)	Severe oz. (Units)
927	20.8-34	HDOTR	222	333
928	23.1-34	HDOTR	258	387
929	290/95 34	HDOTR	100	150
930	320/85 34	HDOTR	110	165
931	380/85 34	HDOTR	150	225
932	385/85 34	HDOTR	142	213
933	420/85 34	HDOTR	162	243
934	620/75 34	HDOTR	259	389
935	650/75 34	HDOTR	288	432
936	710/75 34	HDOTR	340	510
937	480/70 34	HDOTR	187	281
938	540/65 34	HDOTR	199	299
939	600/65 34	HDOTR	231	347
940	700/55 34	HDOTR	278	417
941				
942	21.00-35	HDOTR	324	486
943	24.00-35	HDOTR	393	590
944	29.50-35	HDOTR	451	677
945	33.25-35	HDOTR	541	812
946	37.25-35	HDOTR	642	963
947				
948	9.5-36	HDOTR	79	119
949	11.2-36	HDOTR	97	146
950	12.4-36	HDOTR	112	168
951	13.6-36	HDOTR	129	194
952	13.9-36	HDOTR	127	191
953	230/95 36	HDOTR	78	117
954	270/95 36	HDOTR	93	140
955				
956	11.2-38	HDOTR	101	152
957	12.4-38	HDOTR	116	174
958	13.6-38	HDOTR	131	197
959	14.9-38	HDOTR	149	224
960	15.5-38	HDOTR	150	225
961	16.9-38	HDOTR	176	264
962	18.4-38	HDOTR	199	299
963	20.8-38	HDOTR	235	353
964	320/85 38	HDOTR	117	176
965	380/80 38	HDOTR	150	225
966	580/70 38	HDOTR	261	392
967	620/70 38	HDOTR	279	419
968	710/70 38	HDOTR	341	512
969	540/65 38	HDOTR	213	320
970	600/65 38	HDOTR	247	371
971	650/65 38	HDOTR	275	413
972				
973	33.50-39	HDOTR	576	864
974	37.50-39	HDOTR	686	1029
975	40/65-39	HDOTR	676	1014
976	40.5/75-39	HDOTR	686	1029
977	41.25/70-39	HDOTR	682	1023
978				
979	180/95 40	HDOTR	60	90
980	230/95 40	HDOTR	82	123
981				
982	9.5-42	HDOTR	86	129
983	12.4-42	HDOTR	124	186
984	18.4-42	HDOTR	211	317

Ride-On Tire Protection System (TPS) Dosage Table

No.	Tire Size Designation	Formula	Regular oz. (Units)	Severe oz. (Units)
985	20.8-42	HDOTR	248	372
986	320/90 42	HDOTR	128	192
987	520/85 42	HDOTR	254	381
988	620/70 42	HDOTR	296	444
989	710/70 42	HDOTR	365	548
990	650/65 42	HDOTR	289	434
991	900/50 42	HDOTR	427	641
992				
993	45/65-45	HDOTR	863	1295
994				
995	12.4 46	HDOTR	134	201
996	13.6-46	HDOTR	147	221
997	14.9-46	HDOTR	168	252
998	18.4-46	HDOTR	222	333
999	320/90 46	HDOTR	136	204
1000	380/90 46	HDOTR	171	257
1001	520/85 46	HDOTR	256	384
1002	420/80 46	HDOTR	187	281
1003	480/80 46	HDOTR	223	335
1004				
1005	270/95 48	HDOTR	113	170
1006	230/95 48	HDOTR	92	138
1007				
1008	18.00-49	HDOTR	312	468
1009	21.00-49	HDOTR	378	567
1010	24.00-49	HDOTR	455	683
1011	27.00-49	HDOTR	549	824
1012				
1013	320/90 50	HDOTR	143	215
1014	480/80-50	HDOTR	240	360
1015				
1016	30.00-51	HDOTR	660	990
1017	33.00-51	HDOTR	756	1134
1018	36.00-51	HDOTR	884	1326
1019	37.50-51	HDOTR	763	1145
1020	50/65-51	HDOTR	1074	1611
1021				
1022	270/95 54	HDOTR	126	189
1023	320/90 54	HDOTR	149	224
1024				
1025	27-56.5	HDOTR	447	671
1026	30-56.5	HDOTR	539	809
1027				
1028	37.00-57	HDOTR	949	1424
1029	40.00-57	HDOTR	1091	1637
1030	46/90-57	HDOTR	1001	1502
1031	48/95-57	HDOTR	1169	1754
1032	50/90-57	HDOTR	1169	1754
1033				
1034	33-59.5	HDOTR	635	953
1035	36-59.5	HDOTR	747	1121
1036	39-59.5	HDOTR	854	1281
1037				
1038	55/80R63	HDOTR	1310	1965

Ride-On Tire Protection System (TPS) Dosage Table

No.	Tire Size Designation	Formula	Regular oz. (Units)	Severe oz. (Units)
1039	M130/70*10	MOT/CHS	5	7
1040	M120/90-10	MOT/CHS	5	7
1041	M130/90*10	MOT/CHS	5	7
1042	3.00 -10	MOT/CHS	3	4
1043	3.50 - 10	MOT/CHS	3	5
1044				
1045	M110/70*11	MOT/CHS	4	6
1046				
1047	M120/70*12	MOT/CHS	5	8
1048	M130/70*12	MOT/CHS	5	7
1049	M120/80*12	MOT/CHS	5	7
1050	M100/90*12	MOT/CHS	4	6
1051	M110/90*12	MOT/CHS	5	8
1052	M110/100*12	MOT/CHS	6	8
1053				
1054	M130/60*13	MOT/CHS	5	7
1055	M130/70*13	MOT/CHS	5	8
1056	M150/70*13	MOT/CHS	7	10
1057	M110/90*13	MOT/CHS	5	7
1058				
1059	3.00-14	MOT/CHS	3	5
1060	M140/60*14	MOT/CHS	6	9
1061	M160/60*14	MOT/CHS	7	10
1062	M120/70*14	MOT/CHS	5	7
1063	M150/70*14	MOT/CHS	7	10
1064	M120/80*14	MOT/CHS	5	8
1065	M180/80*14	MOT/CHS	9	13
1066	M60/100*14	MOT/CHS	3	4
1067	M80/100-14	MOT/CHS	3	5
1068	M90/100*14	MOT/CHS	5	7
1069				
1070	M230/60*15	MOT/CHS	12	18
1071	M120/70*15	MOT/CHS	5	8
1072	M180/70*15	MOT/CHS	9	13
1073	M140/80*15M/C	MOT/CHS	7	10
1074	M150/80*15	MOT/CHS	8	11
1075	M160/80*15M/C	MOT/CHS	8	12
1076	M170/80*15M/C	MOT/CHS	9	13
1077	M190/80*15	MOT/CHS	11	15
1078	MV85-15M/C	MOT/CHS	8	11
1079	M130/90-15	MOT/CHS	7	10
1080	M140/90-15M/C	MOT/CHS	7	11
1081	M150/90-15M/C	MOT/CHS	8	11
1082	MU90-15M/C	MOT/CHS	7	11
1083	MV90-15M/C	MOT/CHS	8	11
1084				
1085	2.50-16	MOT/CHS	3	4
1086	3.00-16	MOT/CHS	4	6
1087	3.50-16	MOT/CHS	5	7
1088	5.00-16	MOT/CHS	7	10
1089	195/50R16	MOT/CHS	10	15
1090	M240/50R16	MOT/CHS	13	18
1091	M130/60*16	MOT/CHS	6	9
1092	M160/60*16	MOT/CHS	8	11
1093	M180/60*16	MOT/CHS	9	13
1094	M200/60*16	MOT/CHS	11	15

Ride-On Tire Protection System (TPS) Dosage Table

No.	Tire Size Designation	Formula	Regular oz. (Units)	Severe oz. (Units)
1095	M110/70*16	MOT/CHS	5	8
1096	M120/70*16	MOT/CHS	6	8
1097	M130/70*16	MOT/CHS	6	9
1098	M140/70*16	MOT/CHS	7	10
1099	M170/70*16	MOT/CHS	9	13
1100	M180/70*16	MOT/CHS	10	14
1101	M80/80*16	MOT/CHS	3	5
1102	M100/80*16	MOT/CHS	5	7
1103	M110/80*16	MOT/CHS	5	8
1104	M120/80*16	MOT/CHS	6	8
1105	M130/80*16	MOT/CHS	6	9
1106	M140/80*16	MOT/CHS	8	11
1107	M150/80*16	MOT/CHS	8	11
1108	M160/80*16	MOT/CHS	9	13
1109	MR85-16	MOT/CHS	6	8
1110	MU85-16	MOT/CHS	8	11
1111	M100/90-16	MOT/CHS	5	7
1112	M110/90-16	MOT/CHS	6	8
1113	M120/90-16	MOT/CHS	6	9
1114	M130/90-16	MOT/CHS	7	10
1115	M140/90-16	MOT/CHS	8	11
1116	MT90-16	MOT/CHS	7	10
1117	MU90-16	MOT/CHS	8	11
1118	M90/100*16	MOT/CHS	5	8
1119				
1120	3.00-17	MOT/CHS	4	5
1121	3.25-17	MOT/CHS	4	6
1122	3.50-17	MOT/CHS	5	7
1123	4.50-17	MOT/CHS	5	8
1124	M300/40R17	MOT/CHS	16	24
1125	M190/50R17	MOT/CHS	10	14
1126	M200/50R17	MOT/CHS	10	15
1127	M180/55*17	MOT/CHS	9	13
1128	M120/60*17	MOT/CHS	6	8
1129	M130/60*17	MOT/CHS	6	9
1130	M150/60*17	MOT/CHS	7	11
1131	M160/60*17	MOT/CHS	8	12
1132	M170/60*17	MOT/CHS	9	13
1133	M190/60*17	MOT/CHS	10	15
1134	M110/70*17	MOT/CHS	5	8
1135	M120/70*17	MOT/CHS	6	9
1136	M130/70*17	MOT/CHS	6	9
1137	M140/70*17	MOT/CHS	7	10
1138	M150/70*17	MOT/CHS	8	12
1139	M160/70*17	MOT/CHS	9	12
1140	M100/80*17	MOT/CHS	5	7
1141	M110/80*17	MOT/CHS	5	8
1142	M120/80*17	MOT/CHS	6	9
1143	M130/80*17	MOT/CHS	7	10
1144	M140/80*17	MOT/CHS	8	11
1145	M150/80*17	MOT/CHS	9	12
1146	M70/90-17	MOT/CHS	3	5
1147	M80/90-17	MOT/CHS	4	5
1148	M90/90-17	MOT/CHS	4	6
1149	M110/90-17	MOT/CHS	6	8
1150	M120/90-17	MOT/CHS	7	10
1151	M130/90-17	MOT/CHS	7	10

Ride-On Tire Protection System (TPS) Dosage Table

No.	Tire Size Designation	Formula	Regular oz. (Units)	Severe oz. (Units)
1152	M60/100*17	MOT/CHS	3	4
1153	MS90-17	MOT/CHS	7	9
1154	MT90-17	MOT/CHS	7	10
1155	2.75-18	MOT/CHS	3	5
1156	3.00-18	MOT/CHS	4	6
1157	3.50-18	MOT/CHS	5	7
1158	4.00-18	MOT/CHS	6	9
1159	4.10-18	MOT/CHS	6	8
1160	4.25-18	MOT/CHS	6	9
1161	4.50-18	MOT/CHS	7	10
1162	4.60-18	MOT/CHS	7	10
1163	M360/35*18	MOT/CHS	21	30
1164	M330/35*18	MOT/CHS	18	27
1165	M300/30*18	MOT/CHS	15	22
1166	M300/35*R18	MOT/CHS	16	23
1167	M240/40*18	MOT/CHS	13	18
1168	M250/40*18	MOT/CHS	14	20
1169	M180/55*18	MOT/CHS	10	14
1170	M200/55*18	MOT/CHS	11	16
1171	M150/60*18	MOT/CHS	8	11
1172	M160/60*18	MOT/CHS	8	12
1173	M170/60*18	MOT/CHS	9	13
1174	M120/70*18	MOT/CHS	6	9
1175	M130/70*18	MOT/CHS	7	10
1176	M140/70*18	MOT/CHS	7	11
1177	M150/70*18	MOT/CHS	9	13
1178	M110/80*18	MOT/CHS	6	8
1179	M120/80*18	MOT/CHS	6	9
1180	M130/80*18	MOT/CHS	7	10
1181	M140/80*18	MOT/CHS	8	11
1182	M150/80*18	MOT/CHS	9	13
1183	M90/90-18	MOT/CHS	5	7
1184	MP85-18	MOT/CHS	6	8
1185	MT85-18	MOT/CHS	7	10
1186	M90/90-18	MOT/CHS	5	7
1187	M100/90-18	MOT/CHS	5	8
1188	M110/90-18	MOT/CHS	6	8
1189	M120/90-18	MOT/CHS	6	9
1190	M130/90-18	MOT/CHS	7	10
1191	ML90-18	MOT/CHS	5	7
1192	MM90-18	MOT/CHS	5	7
1193	MN90-18	MOT/CHS	6	8
1194	MP90-18	MOT/CHS	6	9
1195	MR90-18	MOT/CHS	6	9
1196	MJ90-18	MOT/CHS	4	7
1197	M80/100*18	MOT/CHS	4	6
1198	M100/100*18	MOT/CHS	6	9
1199	M110/100*18	MOT/CHS	7	10
1200	M120/100*18	MOT/CHS	8	11
1201				
1202	2.5-19	MOT/CHS	4	6
1203	3.00-19	MOT/CHS	4	6
1204	3.25-19	MOT/CHS	5	8
1205	3.50-19	MOT/CHS	5	7
1206	4.00-19	MOT/CHS	6	9
1207	4.10-19	MOT/CHS	5	8

Ride-On Tire Protection System (TPS) Dosage Table

No.	Tire Size Designation	Formula	Regular oz. (Units)	Severe oz. (Units)
1208	M120/70*19	MOT/CHS	7	10
1209	M100/80 *19	MOT/CHS	5	8
1210	M110/80*19	MOT/CHS	6	9
1211	M120/80-19	MOT/CHS	7	10
1212	M90/90-19	MOT/CHS	5	7
1213	M100/90-19	MOT/CHS	5	8
1214	M110/90-19	MOT/CHS	6	9
1215	MJ90-19	MOT/CHS	5	7
1216	ML90-19	MOT/CHS	5	7
1217	MM90-19	MOT/CHS	5	7
1218	M70/100*19	MOT/CHS	4	6
1219				
1220	3.00-20	MOT/CHS	5	7
1221	275/55-20	MOT/CHS	18	26
1222				
1223	2.75-21	MOT/CHS	5	7
1224	3.00-21	MOT/CHS	5	7
1225	M70/100*21	MOT/CHS	4	6
1226	M80/100-21	MOT/CHS	5	7
1227	M80/90-21	MOT/CHS	5	7
1228	M90/90-21	MOT/CHS	5	8
1229	MH90-21	MOT/CHS	4	6
1230	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.

Page 1/5

Date Prepared: 04-22-2008

Date Printed: 4/22/2008

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	3-8
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 .05% 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.

Material Safety Data Sheet (MSDS)

Inovex Industries, Inc.

Page 2/5

Date Prepared: 04-22-2008

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MSDS No: 022703-001.001

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.

Material Safety Data Sheet (MSDS)

Inovex Industries, Inc.

Page 3/5

Date Prepared: 04-22-2008

Date Printed: 4/22/2008

MSDS No: 022703-001.001

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

Material Safety Data Sheet (MSDS)

Inovex Industries, Inc.

Page 4/5

Date Prepared: 04-22-2008

Date Printed: 4/22/2008

MSDS No: 022703-001.001

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.

Material Safety Data Sheet (MSDS)

Inovex Industries, Inc.

Page 5/5

Date Prepared: 04-22-2008

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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.



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American Trucking Association, Tire Retread Information Bureau, Truck Leasing and Rental Association