



## TECHNICAL DATA

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### TRICK SHOT® PENETRATING LUBRICANT

Bio-based Trick Shot® Sustainable Products Penetrating Lubricant is a versatile, high-performance product that unlocks seized parts, lubricates, cleans, fights corrosion, and is a green and sustainable product. Trick Shot® is biodegradable, USDA Certified Biobased, non-flammable, NSF-H1 food-grade approved, non-toxic, EAL-VGP qualified, CA Prop 65 compliant, and is safe to people, pets, and the environment.

#### Product Applications:

**Unlocking and Releasing Rusted, Corroded, and Seized Parts:** Trick Shot® outperforms industry standard penetrating oils such as WD40 Penetrant, Liquid Wrench, Seafoam Green, Blaster and Kroil in penetrating capability as verified in wicking, capillary action, close tolerance, vertical creep, and break away torque testing. For difficult jobs, apply liberally and allow sufficient time for Trick Shot® Penetrant to work its magic – with low evaporation rate and non-toxic fumes, Trick Shot® can be left to penetrate overnight or over-weekend. Being non-flammable, Trick Shot's® penetrating ability can also be accelerated with heat or a torch.

**Renewable and NSF-H1 Food Safe Industrial and Household Lubricant:** Trick Shot® outperforms industry standard lubricants such as WD40, Kroil, and CRC in coefficient of friction and evaporation testing. For best lubricating results and economics, only a thin coat of Trick Shot® Lubricant should be used on hinges, slides, rollers, and pivots. Excess puddles should be avoided as they can become dried residue after a several weeks. Also, care should be taken to avoid standing puddles for long periods of time, as Trick Shot's® penetrating qualities have the potential to lift paint and coatings and to break down metal alloys such as brass.

**Cleaning and Degreasing:** Trick Shot® removes tar, scuff marks, dried and wet adhesives, gum, oil, grease and fuels. Trick Shot® is an excellent and EPA acceptable asphalt cleaner. It has been proven effective at low volume usage, is more worker friendly, and outperforms or equals citrus based products and even diesel fuel.

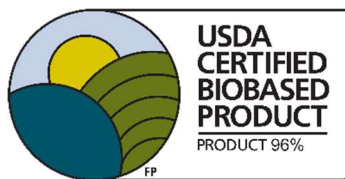
**Corrosion Protection:** A thin coat of Trick Shot® will protect bare metal, chrome, and stainless steel from moisture, corrosion, and soiling including corrosion due to salt spray.

**USDA Certified Biobased:** Trick Shot® has been registered with the USDA at 96% biobased Carbon content. This is higher than competing green products such as Nexus Green, Superzilla, Bioblend, and LiquiFix.

**Safe for Environmentally Sensitive Applications:** Trick Shot® is 100% biodegradable, non-toxic, and animal safe. Trick Shot® complies with CA Prop 65 and EPA Environmentally Acceptable Lubricant/Vessel General Permit regulations for safety in groundwater and aquatic environments.

**Non-Flammability Required Applications:** In compliance with Federal Occupational Safety and Health Standards, Federal Hazardous Standards Act, Code of Federal Regulations and with a Flash Point of 371 Deg F, Trick Shot® is classified as Non-Flammable. This makes Trick Shot® safe in proximity to welding, heating, and where electrical arcing can occur. As are almost all non-water based products, Trick Shot® is classified as Combustible. This means that given enough applied heat, Trick Shot® can burn and that highly atomized Trick Shot® may 'flash' ignite when misted directly into an open flame.

#### TYPICAL PROPERTIES AND TESTING STANDARDS ON NEXT PAGE

**NSF Registration\*:**

Trick Shot® Penetrating Lubricant, Category Code: H1; 159234/May 14, 2019

**USDA BioPreferred Program Notification of Certification\*:**

Trick Shot® Penetrating Lubricant, Application ID/Date: 8868/January 21, 2021

**Safety Data Sheets (SDS)\*:**

Part Number 89201 (Aerosol) and Part Number TSPL55GAD, TPSL275GAL, etc (Liquid)

\*SDS and Certification Letters available at: [www.itdoesthetrick.com/downloads/](http://www.itdoesthetrick.com/downloads/)

**Ingredients:**

Soy Oil Plus (soybean oil modified with extensive proprietary/trade secret process)

Nitrogen (non-greenhouse gas propellant) (aerosol cans only): CAS 007727-37-9

Proprietary, non-toxic polymers to improve freeze/pour point (less than 1%)

**Package Availability:**

4 oz dropper, 11 oz aerosol, 16 oz spray, 1 gal and 5 gal cans, 55 gal drum, 275 gal IBC tote. All packaging used for Trick Shot® is recyclable.

**Country of Origin:** United States of America

**Typical Test Data:**

Property	Test Method	Typical Result
USDA Bio-Preferred Program	ASTM D6866	96% Biobased
VOC Content	EPA 24	6.9 g/L (0.7%)
Density	ASTM D 4052	0.89198 g/cm3
Weight Factor		7.4439 lbs/gal
Pour Point	ASTM D5950	-15 Deg F
Flash Point	ASTM D92	371 Deg F
Distillation (Boiling Point)	ASTM D86	95% at 614.5 Deg F
Vapor Pressure	ASTM D323	1600 psi
Coefficient of Friction at 300 lbs	ASTM D3233B	0.0159
Coefficient of Friction at 1000 lbs	ASTM D3233B	0.0441
4 Ball Wear-Oil	ASTM D4172	0.68 mm Scar
Falex Pin & Vee EP Lube Direct Load, Ref Load	ASTM D3233A	1250 lbs, 1750 lbs
Kinematic Viscosity at 40C	ASTM D445	5.2037 cSt
Kinematic Viscosity at 100C	ASTM D445	2.0038 cSt
Viscosity Index	ASTM D2270	238.57
Dielectric Breakdown Voltage	ASTM D877	20.5 KV
pH at 25C	ASTM D1293	8.28
Rust Test - Deionized Water. 4 Hr Run Time	ASTM D665a	PASS
Rust Test - Synthetic Sea Water. 4 Hr Run Time	ASTM D665b	PASS