



Graphenoil

# TECHNICAL DATA SHEET

VETERAN OWNED SMALL BUSINESS



MADE IN USA

## GRAPHENE LIGHT OIL

UPDATED 11/03/2021

### DESCRIPTION

Graphenoil Graphene Light Oil is a multi-use lubrication. Utilizing a newly discovered single atomic layer of Graphite called Graphene, it is known as the “wonder material.” In the purest form, Graphene is the lightest and thinnest, strongest, and most durable, most impermeable, and highest thermally conductive material known to exist. Graphene also has the highest lubricity or lowest coefficient of friction of any material.

Due to the specific properties of Graphene, Graphenoil Light Oil offers better corrosion protection, lower coefficient of friction, and temperature stability than alternative lubricants. Graphenoil Graphene Light Oil uses full synthetic materials including a ceramic reinforced fluoropolymer that increases the durability of lubrication, making Graphenoil slicker and more durable, thereby providing a longer lasting benefit. Fluoropolymers are a unique class of plastics known for their excellent heat and chemical resistance. They consist of a chain of carbon atoms surrounded by fluorine. The carbon fluorine bond is one of the strongest chemical bonds known. Fluoropolymers are used in a wide range of applications in chemical process, electronics, and life science industries.

Graphenoil includes the addition of Boron Nitride to the synthetic Fluoropolymer Polytetrafluoroethylene (better known as PTFE. An example of PTFE is Teflon, a brand of Dupont). Boron Nitride is the only material known to fully reinforce PTFE. An ASTM 4 Ball Wear Test (an industry standard test that measures the wear protection of a fluid on a metal surface), a 15% increase is seen, when using Boron Nitride PTFE over standard PTFE.

### APPLICATIONS

For use as an all-purpose lubricant: hobbies, bicycles, firearms, hinges, bearings, nuts & bolts, automotive, crafts, knives, etc.

### METHOD OF USE

Use Graphene Light Oil as needed on project. Consult owners manual.

### STORAGE & HANDLING

Keep container closed until use. Keep out of direct sunlight and heat. Discard waste appropriately.

### NOTES

The data contained herein are furnished for information only and are believed to be reliable. We cannot assume responsibility for the results obtained by others over whose methods we have no control. It is the user's responsibility to determine suitability for the user's purpose of any production methods mentioned herein and to adopt such precautions as may be advisable for the protection of property and of persons against any hazards that may be involved in the handling and use thereof.

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