

**Product Description:**

Tube-O-Lube® is a unique, natural form of graphite powder that has been milled to a designed particle distribution to allow for proper lubrication in areas where friction and wear are an issue. Graphite is not affected by temperature extremes, and will not attract dirt, dust, water, ice or snow. Designed to effectively lubricate locking mechanisms, firearms, and bolt and screw threads, Tube-O-Lube has also found its way into pinewood derby racing, along with various other household tasks, hobbies and musical instruments. When a grease or wet lubricant just won't work, a dry graphite powder like Tube-O-Lube is the superior solution.



**Product Characteristics:**

| Physical Properties                             | Typical Range                  |
|---|--------------------------------|
| Carrier:  | Air                            |
| Color:  | Black                          |
| Fluid Consistency                               | Dry Powder                     |
| Measured Particle Size Distribution             | < 200 US Mesh<br>(<75 microns) |
| Flash Point,                                    | N/A                            |
| Average Application Coverage                    | Varies                         |
| Effective Temperature Range, (Minimum)          | -75°F (-59.4°C)                |
| Effective Temperature Range, (Maximum)          | 700°F (371.1°C)                |
| Suggested Application Ambient Temperature Range | 50 - 100°F (10 - 37.8°C)       |
| Shelf Life under original seal                  | Unlimited                      |

**Advantages:**

- Dry graphite powder lubrication technology will not attract or trap dirt or grit, reducing mechanical wear and extending operating life of products
- Not affected by temperature extremes when properly applied
- Graphite is a natural, environmentally safe lubricant



# Technical Data Sheet

# Tube-O-Lube®

Dry Powdered, Graphite Lubricant

## Preparation & Application:

- **Snip tip off of tube.** When opening the tube, do not squeeze it, as this will cause the powder to puff out of the tube when the tip is snipped off. Once opened, the black screw-on cap should be replaced securely on the tube to prevent any unnecessary discharge of the graphite from the tube.
- **When lubricating locks, apply to the key.** The graphite powder works better when applied by using 2-3 puffs of Tube-O-Lube® powder to the key, and then inserting the key to lubricate the lock. Applying the graphite powder directly to the lock may cause an undesired build-up in the locking mechanisms.
- **When lubricating gun mechanisms, apply only as much as needed.** Tube-O-Lube® or other graphite products should never be used on aluminum firing mechanisms, as this may cause excess wear due to electrochemical reactions between graphite and aluminum. Apply also to the sliding mechanisms in bolt-action firearms. **Also try SLIP Plate Black Ice™ for this application.**

## Clean-Up Instructions:

- **Clean up material with soap and water.** Graphite is naturally hydrophobic and will come off clothing and skin using simple soap and water. Wipe up any spills on flooring to prevent slipping accidents.

## Storage and Handling Information:

- Material is packaged in plastic tubes. Store away from excessive heat that may melt the tubes. Tubes will harden when exposed to prolonged cold. If this is the case, warm the tubes to ambient temperature to allow for ease of use.
- Material is black, or silver-gray in some instances, and these color variations are normal. Keep away from light colored clothing.
- Graphite is electrically conductive and may lead to electrical shorts and damage. Please be careful working with this product around electricity or sensitive electrical equipment.

Please consult the SDS for additional information on disposal of unused materials, and safe handling practices.

| ORDERING/SHIPPING INFORMATION                  |   |
|--|---|
| AVAILABLE PACKAGING<br>(product ordering code) | 48 Piece Box: Part #31646<br>228 Piece Case: Part #31644G |
| CASE SHIPPING WEIGHT<br>(kilograms)            | 48 Pieces: 2 LB (0.9)<br>288 Pieces: 11 LB (5.0)          |