



**3-IN-ONE®**

# 3-IN-ONE® PTFE Lubricant Technical Data Sheet

## Typical Physical Characteristics – USA

**Appearance:** Liquid  
**Color:** Light amber liquid  
**Odor:** Characteristic  
**Freeze Point/Pour Point:** -54° F (-48° C)(ASTM D97)  
**Kinematic Viscosity @ 100° F (38° C):** 2.6 cSt (ASTM D445)  
**Specific Gravity @ 77° F (25° C):** 0.80  
**Boiling Point (initial):** 209° F (98° C)  
**Vapor Density:** 3-5  
**Flash Point:** 29° F (-2° C)(TCC)  
**Percent Volatile:** > 60% by weight  
**CARB VOCs:** 24.0% by weight  
**Lower flammability limit:** 0.6%  
**Upper flammability limit:** 7.0%  
**Vapor Pressure:** 45 mm Hg @ 20° C

## Product Features

Reduces friction and wear. Protects. Extends tool life. Extends equipment and tool life by reducing friction and wear. Excellent for heavy loads and works at high temperatures. Its long-lasting formula is ideal for use on axles, chains, hinges and more.

## Fluid Properties

**Working Temperature Range:** -50° F to 500° F  
**Solubility in Water:** Insoluble

## Surface Compatibility

Safe for plastics (except polycarbonate and polystyrene) and metals. Not recommended for rubber materials.

## Typical Performance - 3-IN-ONE® PTFE Lubricant Drip Oil

| Test Method | Property                               | Results   |
|-------------|--|---|
| ASTM D4172  | Lubricates and Protects                | @ 75° F = 0.75 mm<br>@ -50° F = 0.69 mm<br>@ 500° F = 0.70 mm |
| ASTM D3233  | Extreme Pressure Lubrication           | 900 lbs   |
| FTM - 3007  | Water Displacement and Water Stability | All panels no surface corrosion                               |



## 3-IN-ONE PTFE Lubricant and the Environment

- 3-IN-ONE PTFE Lubricant Product does not contain Lead (Pb), Mercury (Hg), Cadmium (Cd), Hexavalent Chromium (Cr6), Polybrominated biphenyls (PBB), or Polybrominated diphenylether complying with the restricted substances listed in Article 4(1) of the RoHS Directive.
- 3-IN-ONE PTFE Lubricant Product contains no ingredients requiring California Prop 65 labeling such as benzene or toluene.
- 3-IN-ONE PTFE Lubricant Product complies with California VOC regulations.



Recycle where allowed

## Surface Cautions

Always test surfaces first. Do not immerse rubber parts in product.

## SAFETY

**DANGER!** Contents are flammable. Keep away from heat, sparks, pilot lights, hot surfaces and open flames. Do not swallow. Avoid eye and skin contact. Avoid breathing vapors or spray mists. Use only in well-ventilated area. Wash thoroughly with soap and water after use. Intentional inhalation abuse (concentrating and inhaling vapors) may be harmful or fatal. Keep out of reach of children.

### Symptoms of Overexposure:

**Inhalation:** High concentrations may cause throat, nasal and respiratory irritation and central nervous system effects such as headache, dizziness and nausea. Intentional abuse may be harmful or fatal.

**Skin Contact:** May cause skin irritation with short-term exposure with redness, itching and burning of the skin. Prolonged and/or repeated contact may produce defatting with possible dermatitis.

**Eye Contact:** Contact may cause eye irritation. May cause redness, stinging, swelling and tearing.

**Ingestion:** This product has low oral toxicity. If swallowed, this material may cause irritation of the mouth, throat and esophagus. Swallowing may cause gastrointestinal irritation, nausea, vomiting, diarrhea, dizziness, drowsiness and other central nervous system effects. This product is an aspiration hazard. If swallowed, can enter the lungs and may cause chemical pneumonitis, severe lung damage and death.

**Chronic Effects:** None expected.

**Carcinogen Status:** None of the components are listed as a carcinogen or suspect carcinogen by IARC, NTP, ACGIH or OSHA.

**Reproductive Toxicity:** None of the components is considered a reproductive hazard.

## REGULATORY

### U.S. Federal Regulations:

**CERCLA 103 Reportable Quantity:** This product is not subject to CERCLA reporting requirements, however, oil spills are reportable to the National Response Center under the Clean Water Act and many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

### SARA TITLE III:

**Hazard Category For Section 311/312:** See SDS Section 2 for OSHA Hazard Classification.

**Section 313 Toxic Chemicals:** This product contains the following chemicals subject to SARA Title III Section 313 Reporting requirements: None

**Section 302 Extremely Hazardous Substances (TPQ):** None

**EPA Toxic Substances Control Act (TSCA) Status:** All of the components of this product are listed on the TSCA inventory.

**VOC Regulations:** This product complies with the consumer product VOC limits of CARB, the US EPA and states adopting the OTC VOC rules.

**California Safe Drinking Water and Toxic Enforcement Act (Proposition 65):** This product does not contain chemicals regulated under California Proposition 65.

**Canadian Environmental Protection Act:** One of the components is listed on the NDSL. All of the other ingredients are listed on the Canadian Domestic Substances List or exempt from notification.



### WD-40 COMPANY

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