



ULTIMATE EXTREME PRESSURE CYCLE CHAIN AND BEARING LUBRICANT



## PRODUCT DESCRIPTION

**SpeedX®** is the ultimate, extreme performance lubricant whose additives chemically react with metal surfaces and subsurfaces to virtually eliminate wear while providing the lowest coefficient of friction measurable. Polar Bonding technology produces a Fluid Thin Film (FTFC) that is self-healing and spreads to treat and protect adjacent metal surfaces. SpeedX provides long-lasting, heat and load-resistant lubrication, decreases wear and extends the useful life of treated items and parts. Skateboards, roller skates, chains and derailleurs will all operate smoother, quieter, with greater efficiency and last longer when treated with SpeedX.

POLAR BONDING™  TECHNOLOGY INSIDE

## APPLICATIONS

- Precision instruments and gears
- Bearings (particularly high speed and/or high load)
- Bicycle and motorcycle chains
- Gears
- Derailleurs
- Cables
- Slot cars
- Any other metal-on-metal applications where eliminating friction and wear is paramount

## QUICK INFORMATION

- Polar Bonding Technology
- 4X the wear protection of other chain lubes
- Rated #1 for preventing corrosion on chains and bearings
- Exotic Extreme Pressure (EP) additive package activated by triboenergy (the heat energy of friction)
- Cannot be displaced by water or friction
- Zero VOCs
- Environmentally preferable product
- Only 1 drop can lubricate the entire bearing

## PHYSICAL CHARACTERISTICS

**COLOR:** Blue Green

**APPEARANCE:** Clear

**ODOR:** Fresh Scent

**SPECIFIC GRAVITY @ 15.6°C:** 0.895

**VISCOSITY, CST @ 40°C:** 33.0

**VISCOSITY, CST @ 100°C:** 7.0

**FLASH POINT C.O.C.:** >132°F

**VOLUME SOLIDS:** >92%

**FILM THICKNESS:** 0.0004" typical

**pH:** N/A

**VAPOR PRESSURE:** 8mm Hg

**SOLUBILITY IN WATER:** Slightly Emulsifiable

**BOILING POINT:** >200°C

**WEIGHT PER GALLON:** 7.46 lbs.



## PERFORMANCE PROPERTIES

### LUBRICATION:

Anti-Wear	0.242 mm**	ASTM D4172
Friction Coefficient	0.044	
Load Carrying Capacity	750 lbs.	ASTM 2625 Method B

### CORROSION PROTECTION:

Salt Spry, hrs.	>336*	ASTM B117
(Film Thickness)	0.19 mils	
Humidity Cabinet, hrs.	>1320	ASTM D1748

\*Sand blasted mild steel panel. 0 - <1% surface rust

\*\*Note: The smaller the number, the better the performance. A standard lubricating oil of the same viscosity would yield a value of 1.0 - 1.2 mm.



## ULTIMATE EXTREME PRESSURE CYCLE CHAIN AND BEARING LUBRICANT

### DIRECTIONS

Remove cap and cut tip off applicator tube. Remove dirt and grease then apply SpeedX to all normal lubrication points. Wipe on metal surfaces to prevent corrosion.

### COMPATIBILITY

- **GREASES AND OILS:** Compatible with other hydrocarbon-based lubricants. For ultimate performance, remove bearing grease or other lubricants prior to applying SpeedX.
- **RUBBER:** No visible effect on Nitrile / Buna-N, Viton® or Neoprene products. Slight swelling and/or softening of butyl rubber items.
- **ADHESIVES AND SEALANTS:** Usually no effect but some adhesives may soften and sealants with silicone may experience slight swelling. Recommend a small test sample prior to widespread application.
- **PAINTED SURFACES:** Paints typically used on aircraft, automobiles and machinery are unaffected by SpeedX. Polishes and some wax coatings may soften by the application of any hydrocarbon product.
- **PLASTICS:** SpeedX is compatible with most commonly encountered plastics such as: acrylic, polyester, nylon, vinyl, Delrin®, PTFE, Formica®, polyethylene and polypropylene. Should there be any question when other types of plastics are involved, it is suggested a small sample be tested.
- **FABRICS:** SpeedX will be absorbed into the fibers of most fabrics, thereby creating slight staining. The stain is not permanent and may be removed with naphtha or mineral spirits.
- **STORAGE:** Bulk: Store at room temperatures (50°F or more).
- **SHELF LIFE:** Indefinite (as long as container remains capped).

\*Registered trademark of E.I. DuPont de Nemours

\*\*Registered trademark of Formica Corp

### USE WARNING

Part Number	National Stock No.	UPC Code	Product Description
77001		761866 77001 7	1 fl oz applicator bottle

### USE WARNING

**DANGER:** Contains petroleum distillates. Use only outdoors or in a well-ventilated area. Avoid breathing mist. Store locked up. Dispose of contents and container in accordance with local regulations.

**FIRST AID:** If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a doctor if you feel unwell. If swallowed: Immediately call a doctor or poison center. Do NOT induce vomiting.