



A British Lubricants Company

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 Brit-Lube is a family owned British Company  
 and we are proud to support British  
 manufacturing!

## ULTRA-TEK CRYSTAL LUBE

**A premium quality, oxygen safe, non-flammable perfluorinated polyether grease with exceptional thermal stability and chemical resistance**

**Crystal Lube** is a special PTFE thickened grease with a medium viscosity perfluorinated polyether base oil designed for extreme long term lubrication even in the most aggressive chemical and gas applications.

**Crystal Lube** has exceptional thermal and chemical stability and is suitable for high pressure air, nitrous oxide and oxygen (gas and liquid) systems with no fear of combustion. **Crystal Lube** is physically and chemically inert and totally resistant to water and all common chemicals. It is also compatible with elastomers and plastics.

### FEATURES AND BENEFITS

- Excellent thermal stability
  - Prolongs lubrication intervals, extending component life
- Excellent chemical stability
  - Safe to use in extremely harsh chemical environments
- Chemically Inert
  - Safe to use on oxygen and other gas and liquid gas applications
- Very good oxidation stability – ensures maximum life of lubricant
- Good anti-wear properties – reduces friction and component wear
- Non flammable – Leaves no residue at high temperature

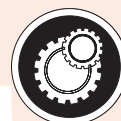
### APPLICATIONS

**Industrial:** All types of bearings threads and applications in aggressive or corrosive conditions, including temperature extremes, ideal for breathing equipment in PPE, Safety Equipment and SCUBA Diving. Lubrication of mechanical parts operating at high vacuum in contact with aggressive chemicals or oxygen.

- Breathing regulators:- Scuba Diving, Personal Protective Equipment, Medical
- Roller bearings, articulations subjected to consistent high temperatures
  - Mechanical components operating under medium load, high speed
  - Food, Nuclear, Chemical, Oxygen, Aerospace industry applications
- Mechanical parts operating at high vacuum
  - Clean room applications
  - Lifetime sealed, maintenance-free bearings
  - Ventilation fan bearings

### METHOD OF APPLICATION

**Crystal Lube** can be applied by hand, or via is also available in a syringe. As with all greases used for the first time, check compatibility with the grease applied previously and if necessary, purge bearings prior to application.



| PROPERTIES                | VALUES      | UNITS              | STANDARDS  |
|---------------------------|-------------|--------------------|------------|
| Colour                    | White       |                    |            |
| Mass Volume (20°C)        | 1.98        | Kg/dm <sup>3</sup> | ISO 2811   |
| Thickener                 | PTFE        |                    |            |
| Base Oil                  | PFPE        |                    |            |
| Base Oil Viscosity @ 40°C | 240         | mm <sup>2</sup> /s | ISO 3104   |
| Consistency               | 2           | Rank               | NLGI       |
| Drop point                | Without     | °C                 | ISO 6299   |
| Max rotation factor       | 400.000     | N x dm             |            |
| Corrosion test EMCOR      | 0           | Quotation          | DIN 51802  |
| Worked penetration        | 265/295     | X 0.1mm            | ISO 2137   |
| Viscosity Index           | 134         |                    |            |
| Anti-Rust Rating          | Pass        |                    | ASTM D1743 |
| Coefficient of friction   | 0.08        |                    | ASTM D2266 |
| 4 ball weld load          | >620        | daN                | ASTM D2596 |
| Temperature range         | -30 to +260 | °C                 |            |

Pack sizes from: 28gram syringe, 1 kg pot, 400ml carts, 10kg kegs, 20 kg kegs

**Trust Brit-Lube Specialist Lubricants A Family owned International Brand! ✓**

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