



Product Data Sheet

WHITE LITHIUM

MULTI-PURPOSE GREASE

March 2007

White Lithium multi-purpose lithium soap grease is a high quality greases for use in either plain or anti-friction bearings in fleet and industrial applications.

In service **White Lithium** offers the following benefits:

- ◆ Economical, simplified lubrication
- ◆ Resistance to water wash out
- ◆ Outstanding protection against rust
- ◆ Good low temperature dispensing and protection at high temperatures
- ◆ Good anti-wear and good extreme pressure characteristics
- ◆ White color for Clean appearance

Product Applications

Multi-purpose, lithium soap based greases, like **White Lithium**, have been used successfully in many demanding industrial and automotive applications.

Industrial

White Lithium grease can be used to lubricate:

- ◆ at high or low speed
- ◆ in hot or cold temperatures
- ◆ plain or anti-friction bearings
- ◆ under moderately wet, hot or dusty conditions.

White Lithium grease can be dispensed both by handgun and central systems through long lines.

Product Handling and Maintenance

Maintaining a clean work environment is critical when equipment greasing is performed. Grease fittings should be wiped clean prior to grease injection to prevent contamination entering the equipment. Bearing housings should be maintained one-third to one-half full of grease. Over-greasing should be avoided as excessive heat buildup can result.

White Lithium greases are manufactured from high quality petroleum base stocks, carefully blended with selected soaps and additives. As with all of our products, good personal hygiene and careful handling should always be practiced. Avoid prolonged contact to skin, splashing into the eyes, ingestion or vapour inhalation. High-pressure injection of any grease under the skin can cause serious delayed soft tissue damage and should be treated immediately by a physician. To avoid injection injuries, inspect greasing equipment regularly for worn hoses and fittings. Keep fingers away from the nozzle and ensure the nozzle is firmly in place before discharging the grease. Please refer to the Material Safety Data Sheet for further information.

Note: This product is not controlled under Canadian WHMIS legislation.

| TEST METHOD | DESCRIPTION | SPECIFICATIONS |
|--------------------|--|-----------------------|
| | NLGI GRADE | 1 |
| ASTM D 217 | CONE PENETRATION @ 77°F, WORKED 60 STROKES | 310-340 |
| ASTM D 128 | THICKENER TYPE | LITHIUM 12 HYDROXY |
| ASTM D 128 | THICKENER CONTENT, % | 4-6 |
| ASTM D 2265 | DROPPING POINT, °F | 365 |
| ASTM D 445 | BASE OIL VISCOSITY CST @ 40°C | 120-135 |
| ASTM D 2270 | VISCOSITY INDEX | 40 |
| VISUAL | COLOR | CREAM |
| VISUAL | APPEARANCE | SMOOTH |
| ASTM D 128 | % ZINC OXIDE | 1.0 |
| ASTM D 128 | % TITANIUM DIOXIDE | 4.0 |

The typical properties shown above are representative of current production. Some are controlled by manufacturing and performance specifications while others are not. All may vary within modest ranges.