

# Balmerol<sup>®</sup> SC HT (SPL)

## Superior Performance Calcium Sulphonate Complex Grease

Technical Data Sheet

### Product Description:

Balmerol SC HT (SPL) is premium grade high temperature, extreme pressure grease which combines the unique features of over based calcium sulphonate complex thickener and high viscosity index (VI) solvent refined mineral oil. The complex thickener provides excellent thermal stability, extreme pressure & anti-wear properties at high temperatures and maintains excellent viscosity-temperature reversibility under severe working conditions, which are unmatched by other soap / non-soap based greases.

### Features & Benefits:

Balmerol SC HT (SPL) provides the following benefits:

- Very wide operating temperature range (-) 6°C to (+) 180°C
- Resistance to intermittently temperature shoot-up for short durations
- Provides superior protection against corrosion and wear with extended equipment life
- Resistance to water wash out
- Extended re-lubrication intervals
- Lead and Chlorine free

### Applications / Recommendations:

- Balmerol SC HT (SPL) is especially recommended for all heavy duty steel plants & engineering applications where resistance to high temperatures, loads, humidity and water is critical.
- Typical applications of Balmerol SC HT (SPL) include continuous casters, couplings, run-out rolls bearing in steel plants, wheel bearings, CV joints in automobiles, rock crushers, conveyors in mining and bearings, spindles in pulp & paper mills.

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## Typical Properties:

Balmerol SC HT (SPL)	
Properties	SC HT (SPL)
Colour	Light Brown
Appearance	Smooth, Tacky
Thickener type	Calcium Sulphonate Complex
Base Oil Type	Mineral
Base Oil Viscosity, cst @ 40°C, min, ASTM D 445	230
NLGI Grade	2/1
Worked Penetration 60/60 strokes at 25°C, ASTM D 217	280 - 310
Penetration Change after 100000 strokes, max., ASTM D 217 (Units)	± 10%
Dropping Point °C, min, ASTM D 2265	320+
Water wash out @ 80°C, % loss, max. ASTM D 1264	1.0
Emcor Rust test rating, IP -220	0,0
Four Ball Wear test, Scar Dia-in mm @ 1450 rpm, 70°C, 1 hr, max, ASTM D 2266	0.60
Four Ball Weld load, kgs, min., ASTM D 2596	400
Timken OK Load, lbs, ASTM D 2509	55
Pressure Oil separation test, ASTM D 1	Nil
Oxidation stability test: Drop in pressure after 100 hrs, 3.0 psi, max	3

**Health and Safety:** Balmerol SC HT (SPL) is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. For MSDS please contact your local Balmer Lawrie Marketing / Technical Service team.

For Further Information, contact:

**Balmer Lawrie & Co. Ltd.**

SBU: Greases & Lubricants (G&L) Division

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