



# Krystal Lubetech Pvt. Ltd.

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## PRODUCT DATA SHEET

### SUPERTECH GREASE

PRODUCT CODE – SP LCSUPERTECH

**DESCRIPTION:** SP LCSUPERTECH is high performance, smooth, homogeneous Lithium Complex grease formulated with highly refined petroleum oil and fortified with new generation performance additives to get excellent high load carrying and water resistance properties.

#### FEATURES:

- Very high drop point and excellent high temperature properties with operating temperature range of (-)10 deg to 180 deg C
- Excellent extreme pressure properties for improved wear protections
- Outstanding water resistance to provide satisfactory service in applications where water ingress is unavoidable.
- Excellent rust and corrosion protection properties leading to longer life of equipments.
- Very good mechanical stability leading to reduced consumption.

#### APPLICATIONS:

SP LCSUPERTECH is recommended for lubrication of bearings operating under high temperature and heavy /shock loads.

This is most suitable for applications in steel plants and paper mills where water ingress and high temperatures are encountered. They can also be used in mining and other engineering industries.

#### PRODUCT MAINTENANCE:

Grease fitting should be wiped prior to grease injection to prevent contaminant from entering the equipment. Bearing housing should be maintained as per bearing operating manuals. Over greasing should be avoided as it can lead to more temperature buildup and deterioration of grease prematurely. Periodic re lubrication should be done with grease guns or centralized lubrication systems should be supplemented by complete cleaning or packing with fresh grease on an appropriate schedule.

#### TYPICAL CHARACTERISTICS

Characteristics	Test Method	Data
Appearance	Visual	Smooth, homogeneous
Color	Visual	Greenish
NLGI Grade	ASTM D-217	1
Penetration workedx60	ASTM D-217	314
Drop point, Deg C	ASTM D-2265	>300
Alkalinity(% as LiOH)	ASTM D-128	0.05
Corrosion protection.	ASTM D-1743	Pass
Copper Strip Corrosion @ 100°C, 24 hrs	ASTM D-4048	1b
Water washout,% wt loss	ASTM D -1264	2.0
Heat Stability	ASTM D-6184	2.2
Wheel Bearing Leakage Test	ASTM D-1263	2
Emcor Corrosion Test, rating	ASTM D 6138	0,0
Oxidation Stability,drop in pressure,psi	ASTM D 942	2.5
Four Ball wear scar, dia mm	ASTM D-2266	0.45
Four Ball Weld Load, Kgs.	ASTM D-2596	> 500
Timken OK Load,lbs	ASTM D 2509	55
Operating Temperature range,deg C	-	-10 to 180

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