



## ***Gear / Rack / Lub (Lubricant)***

***Gear/Rack/Lub*** is a combination of chemical treated, selected and especially formulated solid lubricants. Instead of solvents it contains a synthetic carrier with biodegradable properties and, therefore, it is safe and sure for the environment. It is specially developed for cranes and rail-cars to reduce roll- and slide-friction on the gears and racks due to extreme pressure.

### **Adhesion properties**

Even a little dosage of ***Gear/Rack/Lub*** builds up a strong adhesive lubrication film on the metal surface which cannot be dissolved or taken away with ordinary solvents. However, when there is a metal to metal-contact, the film will be carried on to both sides and will withstand and warrants constant lubrication and antiwear- and wetting-properties, even under extreme pressure and temperature for an extended period and also for non-continuous application conditions.

### **Quality**

***Gear/Rack/Lub*** prevents the danger of overlubricating of gears and racks because of its excellent adhesion, the controlled thixotrophy and also of the small dosage which can be applied (spray) through a special pump system like the famous high quality and for this application designed pump system of Rebs, Germany, or others. The unique non solvent formulation avoids fire and pollution hazardous problems. The special selected solid particles make possible a transfer of a thin layer of lubricant and parting compound between the friction parts.

### **Thermal resistivity**

***Gear/Rack/Lub*** can be applied until -30°C. Its lubricating film is guaranteed without changing its function in a temperature range of -90°C up to +550°C.

### **Economy**

***Gear/Rack/Lub*** is biodegradable, has clean application properties, has a high flash point, is efficient for a long lasting time throughout the year, has excellent antiwear-, antifriction- and antirust-properties and it also can be easily applied. Due of proper application, there is no need of expensive cleaning work.

## **TECHNICAL DATA OF GEAR/RACK/LUB**

Form and colour:	pasty / silver-grey
Viscosity*:	at 25°C: 4950 - 5100 Brookfield SP 6 (~ NLGI 00)
Density:	at 25°C: 1.09 g/cm <sup>3</sup>
Temperature range by application:	-30°C to +120°C
Area of lubricating action:	-90°C to +550°C
Bursting pressure:	> 2'300 kg/cm <sup>2</sup>
Coefficient of friction:	0.09 - 0.11
Flashpoint:	> 300°C
Biodegradable after:	Europ. Norm: CEC-L-33-A-93 > 95%

\* Viscosity of ***Gear/Rack/Lub*** can be modified for certain methods of applications.

**Zurich, April 2005 nw**