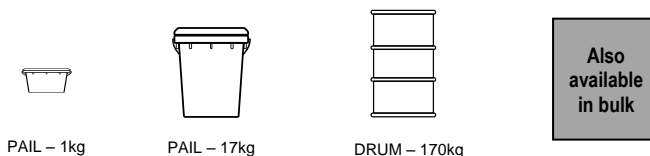


<b>Product</b>	<b>Sinopec MoS<sub>2</sub> Lithium Complex Grease 7413</b>
<b>Summary</b>	<p><b>Product description</b></p> <p>Sinopec MoS<sub>2</sub> Lithium Complex Grease 7413 is an extreme pressure grease formulated with a lithium complex soap thickener, semi-synthetic base oil (mineral oil plus polyalphaolefin), selected additives and 3% of molybdenum disulfide (MoS<sub>2</sub> or 'moly'). It is suitable for use in bearings that are exposed to high temperatures, shock loading or severe vibrating/ oscillating conditions, such as those use in heavy duty industrial and automotive applications.</p>

Available sizes



## Applications

Sinopec MoS<sub>2</sub> Lithium Complex Grease 7413 is suitable for use in:

- Bearings exposed to high temperatures, extreme pressure or oscillating conditions, such as slow-moving plain and rolling element bearings.
- Bucket pins, plain bearings and other heavy duty applications, such as those found in the mining, construction, agricultural and sugar milling industries.
- Chassis components, farm equipment, king pins, U-joints and fifth wheels.

## Features and benefits

- Lithium complex soap thickener together with semi-synthetic base oil, and antioxidant additives, provide outstanding performance in high-temperature applications.
- Extreme pressure properties protect metal surfaces under conditions of heavy or shock loading.
- Solid molybdenum disulfide provides an additional measure of residual lubrication, which protects metal surfaces against wear in applications where vibrating or oscillating movement tends to squeeze out the grease from between the surfaces.
- The semi-synthetic base oil ensures the formation of a stable oil film that protects against bearing wear and corrosion.
- Excellent thermal and oxidation stability, together with low oil evaporation loss, extend the life of the grease, ensuring protection of metal surfaces and prolonging bearing and component life.
- Provides good protection against rust and corrosion, extending component life and relubrication intervals.
- Excellent mechanical stability ensures the grease structure does not break down in service, thus extending grease life.
- Available as an NLGI grade 2.

# Product Data Sheet

## Typical data

<b>Sinopec MoS<sub>2</sub> Lithium Complex Grease 7413</b>	
NLGI grade	2
Appearance, visual	Black, smooth & buttery
Thickener type	Lithium complex
Base fluid type	Mineral oil + polyalphaolefin (PAO)
Kinematic viscosity, ASTM D 445	
cSt @ 40°C	160
cSt @ 100°C	18
Cone penetration, ASTM D 217	
W×60, mm <sup>-1</sup>	285
W×100,000, mm <sup>-1</sup>	325
Oil separation, 24h @ 100°C, %, FTMS 791C-321.3	5.8
Apparent viscosity, -20°C, 10 s <sup>-1</sup> , Pas, GOST 7163	1420
Dropping point, °C, ASTM D 566	>300°C
Evaporation loss, 1h @ 180°C, %wt, SH/T 0337	3.3
Load carrying capacity (Four ball test), 1500 rpm, 25°C, N, GB/T 3142	
maximum nonseizure load, PB	1.766
weld load, PD	6.082
load wear index	916
Steel corrosion, 3 h @ 100°C, SH/T 0331	pass

These data are given as an indication of typical values and not as exact specifications.

## Industry and OEM specifications

<b>Sinopec MoS<sub>2</sub> Lithium Complex Grease 7413 meets the performance requirements of the following industry specification:</b>	
Sinopec	Q/SH 303.219-2010

## Accuracy of information

Data provided in this PDS is typical and subject to change as a result of continuing product research and development. The information given was correct at the time of printing. The typical values given are subject to variations in the testing procedures and the manufacturing process may also result in slight variations. Sinopec guarantees that its lubricants meet any industry and OEM specifications referred to on this data sheet.

Sinopec cannot be held responsible for any deterioration in the product due to incorrect storage or handling. Information on best practice is available from your local distributor.

## Product and environmental safety

This product should not cause any health problems when used in the applications suggested and when the guidance provided in the Material Safety Data Sheet (MSDS) is followed. Please consult the MSDS for more detailed advice on handling; MSDSs are available from your local distributor. Do not use the product in applications other than those suggested.

As with all products, please take care to avoid environmental contamination when disposing of this product. Used oil should be sent for reclamation/recycling or, if not possible, must be disposed of according to relevant government/authority regulations.

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Sinopec MoS<sub>2</sub> Lithium Complex Grease 7413