

PT. INDOLUMAS

PRODUCT DATA SHEET



 PT. INDOLUMAS

www.Champoil.co.id

Disclaimer :

While the information and recommendation set forth herein are believed to be accurate, INDOLUMAS makes no warranty with respect thereto and disclaims all liability with respect thereon.

TABLE OF CONTENT

GREASE COMPOSITION

GREASE USAGE MARKET SEGMENTATION

PRODUCT DATA SHEET



XTREME

HEAVY LOADER

SUPREME

OPTIMA

SUPER

PRODUCT DATA SHEET



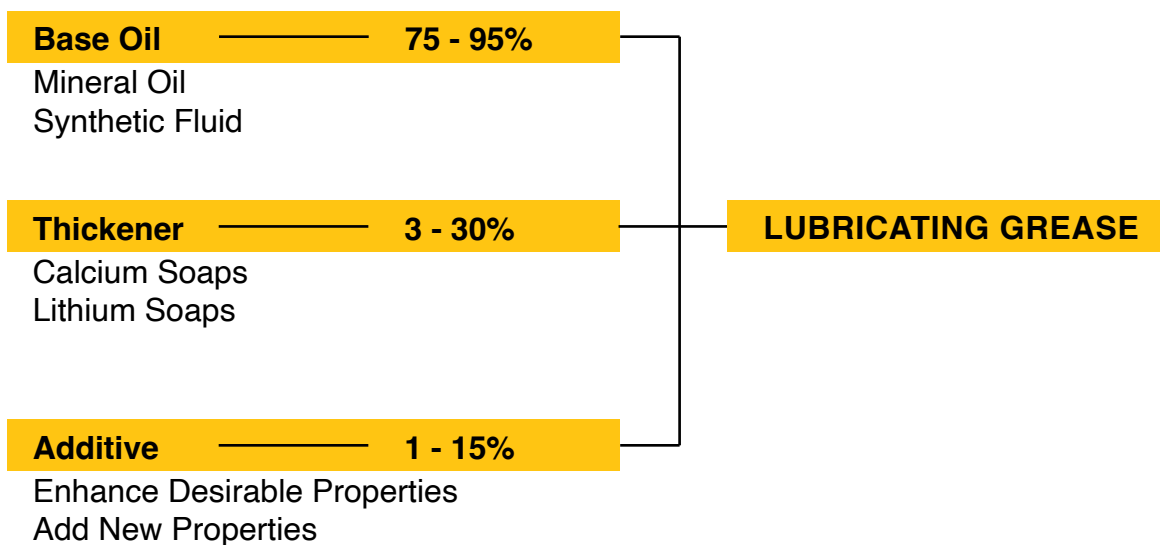
ACTIV

POWER

**PRODUCT DATA SHEET
RADIATOR COOLANT**



GREASE COMPOSITION



The main functions of grease are:

Reduces friction and wear.

Protect parts or materials from corrosion.

Serves as a barrier to prevent the entry of contaminants.

GREASE USAGE MARKET SEGMENTATION

INDUSTRY - OIL & GAS - MINING - FLIGHT - CRUISE - STATION - CONSTRUCTION MACHINERY - OTOMOTIVE



PRODUCT DATA SHEET



XTREME

HEAVY LOADER

SUPREME

OPTIMA

SUPER



CHAMPOIL®

XTREME

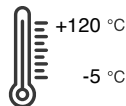
EXTREME PRESSURE PERFORMANCE LITHIUM GREASE

TYPICAL DATA PROPERTIES

Characteristics	Test Method	Unit	Minimum	Maximum
Penetration, Worked 25°C	ASTM D-217	mm/10		
NLGI 3			220	250
Base Oil	-	Mineral	-	-
Oil Separation	ASTM D-6184	-	-	-
Dropping Point	ASTM D-2265	°C	180	-
Operating Temperature	-	°C	-5	+120
Appearance	Visual	-		Smooth
Color Visual	Visual	-		Amber
Water Contents	ASTM D-95	% wt	-	2
Thickener : Lithium	ASTM D-4628	% wt	0.1500	-

APPLICATION

- Good water resistance
- Acts as rust prevention and reduce wear
- Recommended Usage :
 - Anti-friction joints and bearings including the rotating outer race and vertical shaft configurations.
 - Plain bearing operated up to 3600 rpm.
 - Electric motor bearing.
 - Suitable for universal applications in transport such as machinery tools, passenger car, light truck, leisure vehicle, etc.



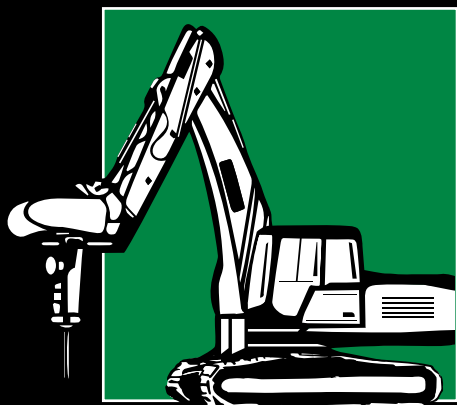
Optimum Working Temperature

SAFETY INSTRUCTION

For information on proper user for health, safety and environment, please refer to the Material Safety Data Sheet (MSDS). Read and understand the MSDS before using this product. Always observe good hygiene measure.

PACKAGING AVAILABLE

Cream Pot (50gr)	Pot (450gr)	Pail (4kg)	Pail (15kg)	Drum (175kg)
✓	✓	✗	✓	✓



CHAMPOIL[®]

HEAVY LOADER

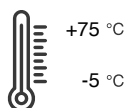
PREMIUM TACKIFIER GEL CALCIUM GREASE

TYPICAL DATA PROPERTIES

Characteristics	Test Method	Unit	Minimum	Maximum
Penetration, Worked 25°C	ASTM D-217	mm/10		
NLGI 3			220	250
NLGI 2			265	295
Base Oil	-	Mineral	-	-
Oil Separation	ASTM D-6184	-	-	-
Dropping Point	ASTM D-2265	°C	100	-
Operating Temperature	-	°C	-5	+75
Appearance	Visual	-		Smooth
Color Visual	Visual	-		Green
Water Contents	ASTM D-95	% wt	-	2
Thickener : Calcium	ASTM D-4628	% wt	0.1500	-

APPLICATION

- Excellent water resistance
- Acts as protective layer on exposed parts
- Recommended Usage :
 - Chassis lubrication of automobiles including commercial vehicles, tractors and other heavy duty equipments.
 - Plain bearing operated at low speed, medium load and heat.
 - Industrial equipment and agricultural machine.
 - Ball and roller bearing operated in mild condition, low temperature, low speed and lightly loaded applications.



Optimum Working Temperature

SAFETY INSTRUCTION

For information on proper user for health, safety and environment, please refer to the Material Safety Data Sheet (MSDS). Read and understand the MSDS before using this product. Always observe good hygiene measure.

PACKAGING AVAILABLE

Cream Pot (50gr)	Pot (450gr)	Pail (4kg)	Pail (15kg)	Drum (175kg)
✘	✔	✘	✔	✔



CHAMPOIL[®]

SUPREME

SUPERIOR ANTI-WEAR LUBRICATION CALCIUM GREASE

TYPICAL DATA PROPERTIES

Characteristics	Test Method	Unit	Minimum	Maximum
Penetration, Worked 25°C	ASTM D-217	mm/10		
NLGI 3			220	250
NLGI 2			265	295
Base Oil	-	Mineral	-	-
Oil Separation	ASTM D-6184	-	-	-
Dropping Point	ASTM D-2265	°C	100	-
Operating Temperature	-	°C	-5	+70
Appearance	Visual	-		Smooth
Color Visual	Visual	-		Brown
Water Contents	ASTM D-95	% wt	-	2
Thickener : Calcium	ASTM D-4628	% wt	0.1500	-

APPLICATION

- Excellent water resistance
- Acts as protective layer on exposed parts
- Recommended Usage :
 - Chassis lubrication of automobiles including commercial vehicles, tractors and other heavy duty equipments.
 - Plain bearing operated at low speed, medium load and heat.
 - Industrial equipment and agricultural machine.
 - Ball and roller bearing operated in mild condition, low temperature, low speed and lightly loaded applications.



+70 °C
-5 °C

Optimum Working Temperature

SAFETY INSTRUCTION

For information on proper user for health, safety and environment, please refer to the Material Safety Data Sheet (MSDS). Read and understand the MSDS before using this product. Always observe good hygiene measure.

PACKAGING AVAILABLE

Cream Pot (50gr)	Pot (450gr)	Pail (4kg)	Pail (15kg)	Drum (175kg)
✗	✓	✓	✓	✓



CHAMPOIL[®] OPTIMA

**OPTIMUM DURABILITY PERFORMANCE
CALCIUM GREASE**

TYPICAL DATA PROPERTIES

Characteristics	Test Method	Unit	Minimum	Maximum
Penetration, Worked 25°C	ASTM D-217	mm/10		
NLGI 3			220	250
NLGI 2			265	295
Base Oil	-	Mineral	-	-
Oil Separation	ASTM D-6184	-	-	-
Dropping Point	ASTM D-2265	°C	100	-
Operating Temperature	-	°C	-5	+70
Appearance	Visual	-	Smooth	
Color Visual	Visual	-	Dark Green	
Water Contents	ASTM D-95	% wt	-	2
Thickener : Calcium	ASTM D-4628	% wt	0.1500	-

APPLICATION

- Excellent water resistance
- Acts as protective layer on exposed parts
- Recommended Usage :
 - Chassis lubrication of automobiles including commercial vehicles, tractors and other heavy duty equipments.
 - Plain bearing operated at low speed, medium load and heat.
 - Industrial equipment and agricultural machine.
 - Ball and roller bearing operated in mild condition, low temperature, low speed and lightly loaded applications.



+70 °C
-5 °C

Optimum Working Temperature

SAFETY INSTRUCTION

For information on proper user for health, safety and environment, please refer to the Material Safety Data Sheet (MSDS). Read and understand the MSDS before using this product. Always observe good hygiene measure.

PACKAGING AVAILABLE

Cream Pot (50gr)	Pot (450gr)	Pail (4kg)	Pail (15kg)	Drum (175kg)
✗	✓	✗	✓	✓



CHAMPOIL[®] SUPER

**EXCELLENT FRICTION PROTECTION
CALCIUM GREASE**

TYPICAL DATA PROPERTIES

Characteristics	Test Method	Unit	Minimum	Maximum
Penetration, Worked 25°C	ASTM D-217	mm/10		
NLGI 3			220	250
NLGI 2			265	295
Base Oil	-	Mineral	-	-
Oil Separation	ASTM D-6184	-	-	-
Dropping Point	ASTM D-2265	°C	100	-
Operating Temperature	-	°C	-5	+70
Appearance	Visual	-	Smooth	
Color Visual	Visual	-	Dark Grey	
Water Contents	ASTM D-95	% wt	-	2
Thickener : Calcium	ASTM D-4628	% wt	0.1500	-

APPLICATION

- Excellent water resistance
- Acts as protective layer on exposed parts
- Recommended Usage :
 - Chassis lubrication of automobiles including commercial vehicles, tractors and other heavy duty equipments.
 - Plain bearing operated at low speed, medium load and heat.
 - Industrial equipment and agricultural machine.
 - Ball and roller bearing operated in mild condition, low temperature, low speed and lightly loaded applications.



+70 °C
-5 °C

Optimum Working Temperature

SAFETY INSTRUCTION

For information on proper user for health, safety and environment, please refer to the Material Safety Data Sheet (MSDS). Read and understand the MSDS before using this product. Always observe good hygiene measure.

PACKAGING AVAILABLE

Cream Pot (50gr)	Pot (450gr)	Pail (4kg)	Pail (15kg)	Drum (175kg)
✘	✔	✘	✔	✔

PRODUCT DATA SHEET



ACTIV

POWER



HIGH SPEED ROTATION

HEAVY EQUIPMENT GREASE - CHASSIS GREASE

AUTOMOTIVE - INDUSTRIAL - HEAVY EQUIPMENT

ACTIV 200F

TYPICAL DATA PROPERTIES

Characteristics	Test Method	Unit	Minimum	Maximum
Penetration, Worked 25°C	ASTM D-217	mm/10		
NLGI 2			265	295
Base Oil	-	Mineral	-	-
Oil Separation	ASTM D-6184	-	-	-
Dropping Point	ASTM D-2265	°C	90	-
Operating Temperature	-	°C	-5	+70
Appearance	Visual	-		Smooth
Color Visual	Visual	-		Yellow
Water Contents	ASTM D-95	% wt	-	2
Thickener : Calcium	ASTM D-4628	% wt	0.1500	-

APPLICATION

- Excellent water resistance
- Acts as protective layer on exposed parts
- Recommended Usage :
 - Chassis lubrication of automobiles including commercial vehicles, tractors and other heavy duty equipments.
 - Plain bearing operated at low speed, medium load and heat.
 - Industrial equipment and agricultural machine.
 - Ball and roller bearing operated in mild condition, low temperature, low speed and lightly loaded applications.



+70 °C
-5 °C

Optimum Working Temperature

SAFETY INSTRUCTION

For information on proper user for health, safety and environment, please refer to the Material Safety Data Sheet (MSDS). Read and understand the MSDS before using this product. Always observe good hygiene measure.

PACKAGING AVAILABLE

Pot (100gr)	Pail (4kg)	Pail (10kg)	Pail (15kg)	Drum (160kg)	Drum (175kg)
✗	✗	✓	✗	✓	✓

PRODUCT DATA SHEET

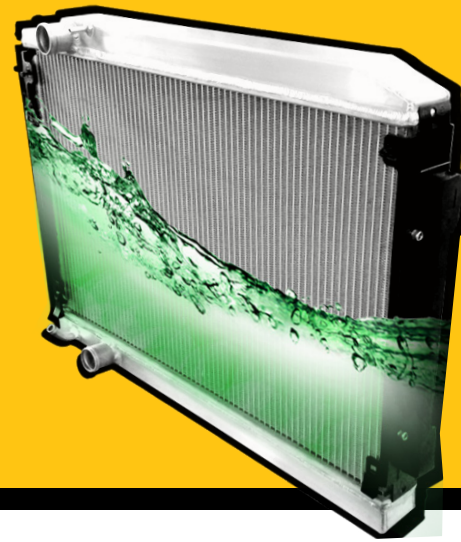




Super Cool Radiator Coolant

The Ultimate Protection for your cooling system

pH8



TYPICAL DATA PROPERTIES

Characteristics	Unit	Value
Specific Gravity, 15/15°C		1.073
Freezing Point	°C	0
Boiling Point	°C	100
pH		Min 8
Reserve Alkalinity		8
Appearance		Clear
Color Visual		Electro Green
Base Water TDS	PPM	Max 3

APPLICATION

- KÜHL can replace radiator coolant of ANY COLOR.
- KÜHL can be used in radiator of ANY BRAND of vehicles, motorcycles, and generators.
- KÜHL Super Cool Radiator Coolant is formulated with advanced European anti rust/corrosion technology suited for Indonesian climate, preserving the radiator system life expectancy to its fullest and helps to maintain optimal working temperature for the machine in order to work efficiently.
- Best heat absorber for radiator system is pure water.
- KÜHL uses RO Processed water with TDS at most 3 ppm.
- KÜHL Does not contain Glycol, **WHY?**
 - Ethylene Glycol is toxic, odorless, colorless, SWEET liquid most commonly used as the base for pure "concentrate"
 - Ethylene Glycol acts more as an anti-freeze and hinder the heat absorption in your radiator coolant

SAFETY INSTRUCTION

For information on proper user for health, safety and environment, please refer to the Material Safety Data Sheet (MSDS). Read and understand the MSDS before using this product. Always observe good hygiene measure.

PACKAGING AVAILABLE

Jerry Can / Jerigen (1 L)	Jerry Can / Jerigen (5 L)	Drum (200 L)
✘	✔	✔

**THANK
YOU**

