KATO IMER

KATO IMER SpA
info@katoimer.com
www.katoimer.com

Sales: marketing@katoimer.com
Service: service@katoimer.com
Parts: parts@katoimer.com

53037 San Gimignano
Loc. Cusona (SI) - Italy
Ph. +39 0577 95121
F. +39 0577 982400

00000000000000000000

Rev. No. 2 of 13/11/2017

Technical Bulletin, KATOIMER SMART GREASE

MAIN CHARACTERISTICS

HIGHLY ADHESIVE WASH-AWAY RESISTANT BLUE SYNTHETIC GREASE
It is the synthesis of an accurate manufacturing system that is used to mix top quality raw materials with a lithium-soap-based thickening agent, designed for general lubrication applications. It features high resistance to the wash-away action of water, good adhesion and stability in service, with excellent lubricating properties.
It contains anti-oxidant and anti-rust additives.
The appearance is smooth, adhesive, blue. The dropping point exceeds +180°C.

The advantages are:
- Excellent resistance to oxidation.
- Good protective capacity of the lubricating elements.
- Excellent mechanical stability, therefore its qualities remain unchanged even when subject to long work cycles.
- Its consistency does not change, maintaining good pumpability even when stored for extended periods of time.
- ED additives that are able to provide the structure of the product with characteristics of high resistance to mechanical stress and high loads.
- Good adhesive power.
- Good resistance to the wash-away action of water.
- Considerable mechanical stability and excellent lubricating power.
- Broad operating temperature range.

CHEMICAL PHYSICAL CHARACTERISTICS

Appearance: Blue stringy creamy compound
Odour: Characteristic
pH: Not applicable
Melting point/freezing point: < -10°C
Flash point: > 230°C
Flammability (solids, gas): Not flammable
Relative density: 0.900 kg/dm3 at 15°C +- 0.02
Solubility: In organic solvents
Water solubility: Insoluble
Viscosity: ISO VG 100 at 40°C (base oil)
Explosive properties: Not explosive
Oxidising properties: Non oxidising
- Consistency: 220-385 mm/10
- Dropping point: > 180°C (ASTM D 566)
- Worked penetration 60 double strokes: 265-295 mm/10 (ASTM D 217)
- Nature of the thickening agent: hydroxystearate lithium.
- NLGI grade: 2
- Emcor test anti-rust strength: 0
- Welding load: 270 Kg (IP 239)
- VOC content: = 0% (EU,CH)
- Operating temperature: between -20°C and +120°C

KATO IMER SpA
info@katoimer.com
www.katoimer.com

Sales: marketing@katoimer.com
Service: service@katoimer.com
Parts: parts@katoimer.com

53037 San Gimignano
Loc. Cusona (SI) - Italy
Ph. +39 0577 95121
F. +39 0577 982400

00000000000000000000

Rev. No. 2 of 13/11/2017

Technical Bulletin, KATOIMER SMART GREASE

APPLICATIONS

Given its properties it singularly replaces every other type of grease (calcium-, sodium-, mixed-, aluminium-based, etc.) therefore it can be used in a very broad range of applications: flat or roller bearings, the lubrication of industrial machinery, construction, roadworks and in general when there is the combination of high temperature (up to +120°C) and/or the presence of water.
It is particularly suitable for the general lubrication of automobiles: wheel hubs, water pumps, dynamo, and for industrial types of machinery, starter motors, tractor track supports and any other type of grease lubrication of farming machinery.
Its use ensures the lubrication of bearings, cams, ball joints, pins, joints, guides, chains, racks, etc.

TIPS FOR USE

It can be applied with automatic lubrication systems.
None in particular.
Observe good work practices.

PRECAUTIONS FOR USE

Protect the environment, do not release spent oil and the containers.
Refer to the Compulsory Spent Oil Consortium (Consorzio Obbligatorio Olio Usato) Toll Free number 800-863048
This lubricant does not present any particular risks if used following our recommendations and applied correctly.
A safety data sheet is available at your sales consultant, in accordance with the legislation in force in the E.C.
Store indoors if possible. If it has to be stored outdoors, keep the drums upright and closed with lids to prevent water from leaking in. Do not stock the packages at temperatures of more than 60°C or directly in the sun, and it is good practice to keep them in places that are not subject to frost.

PACKAGING

- code 4013001719: 400 gr cartridge in 15-piece box.
- code 4013001720: 18 kg bucket

CLASSIFICATION AND LABELLING

2.1.1 Classification pursuant to Regulation (EC) No. 1272/2008:

Pictograms: None.

Danger class and category codes: Aquatic Chronic 3

Hazard statements:
H412 - Harmful to aquatic life with long-lasting effects.
the product is hazardous to the environment because it is harmful to aquatic life with long-lasting effects

UN number: 0000

Warnings: The instructions and information provided in this document are the results of laboratory experiments and practical use and are therefore accurate and pertinent. As the user's real conditions of use are outside of our control, we provide them without any implicit or explicit responsibility or guarantee. For further information we ask you to contact our Technical Service.