

STABURAGS® NBU 30 PTM

Lubricating and assembly grease



Description:

STABURAGS NBU 30 PTM is an assembly grease containing a solid lubricant. It is resistant to water and protects against tribo-corrosion (fretting corrosion). It has proven effective in outdoor applications subject to high humidity.

Application:

STABURAGS NBU 30 PTM is suitable as an assembly grease for applications incorporating sliding clearance fits. Applications include hot and cold water valves and taps, slideways (especially in filling machines), valve spindles and cylinder guides. The product can also be used as a sealing grease. In addition, it is suitable for the lubrication of slideways, bolts, spindles and screws, e.g. in railway bogie assemblies.

STABURAGS NBU 30 PTM is especially suitable for external brake components of rail vehicles, such as bolts and rods. STABURAGS NBU 30 PTM facilitates assembly and disassembly of ABS sensors in vehicles.

Application notes:

Use the aerosol spray version of STABURAGS NBU 30 PTM for relubrication of railway brake parts where no grease nipple is incorporated. For optimum penetration into fine clearances we recommend spraying for at least 8 seconds. This will increase efficiency of brake rods in rail vehicles thus ensuring the longest maintenance intervals.

When used for assembly and lubricating purposes we recommend the lubricant be lightly applied to the component surfaces via a lint free cloth, by hand, or by brush.

Minimum shelf life:

The minimum shelf life is approximately 60 months if the product is stored in its original sealed container in a dry place. The minimum shelf life for the product in aerosol canisters is approximately 36 months.

Pack sizes:

50 g PE tubes
1.2 kg can
30 kg bucket
250 ml aerosol canister with extension tube

STABURAGS NBU 30 PTM

- Assembly grease protecting against tribo-corrosion
- Good corrosion protection
- Excellent resistance to water even under outdoor conditions
- Approved by the company Knorr Bremse, N 12006-1.23

Product data:

Base	mineral oil / barium complex, solid lubricant
Colour	light grey
Service temperature range*, °C, approx.	– 10 to 160
Density, at 20 °C, g/cm ³ , approx.	1.10
Drop point, DIN ISO 2176, °C	> 220
Worked penetration, DIN ISO 2137, at 25 °C; 0.1 mm	245 to 275
Base oil viscosity, DIN 51 561, pt. 1 at 40 °C, mm ² /s, approx. at 100 °C, mm ² /s, approx.	500 31
Apparent dynamic viscosity, Klüber viscosity grade**	S

* Service temperatures are guide values which depend on the lubricant's composition, the intended use and the application method. Lubricants change their consistency, apparent dynamic viscosity or viscosity depending on the mechanical loads, time, pressure and temperature. These changes in product characteristics may affect the function of a component.

** Klüber viscosity grades: EL = extra light lubricating grease; L = light lubricating grease; M = medium lubricating grease; S = heavy lubricating grease; ES = extra heavy lubricating grease

STABURAGS® NBU 30 PTM

Safety Data Sheet

1.1 Product name: STABURAGS NBU 30 PTM Code-No.: 017 069 08.03.2000											
1.2 Klüber Lubrication München KG Geisenhausenerstraße 7 D-81379 München Tel. ++49 - 89 78 76 - 0 telephone exchange Fax: ++49 - 89 78 76 - 333		Emergency telephone no.: ++49 - 89 7876 - 0									
2. Composition / information on ingredients Chemical characterisation (preparation): Mineral oil, barium complex soap, solid lubricants Hazardous ingredients <table><tr><th>Components</th><th>Value</th><th>Symbols</th><th>R-phrases</th></tr><tr><td>Barium soap</td><td>~ 30%</td><td>Xn</td><td>22</td></tr></table>				Components	Value	Symbols	R-phrases	Barium soap	~ 30%	Xn	22
Components	Value	Symbols	R-phrases								
Barium soap	~ 30%	Xn	22								
3. Hazards identification Xn – Harmful. R phrases: 22. Harmful if swallowed. No further particular hazards known.											
4. First aid measures After inhalation: Not applicable After contact with skin: Wash off with mild cleaners and plenty of water After contact with eyes: Rinse with plenty of water After ingestion: Do not induce vomiting. Obtain medical attention Advice to doctor: Treat symptomatically											
5. Fire-fighting measures Suitable extinguishing media: Water spray, foam, dry powder, carbon dioxide (CO ₂) Unsuitable extinguishing media: High volume water jet Special Hazards: In case of fire the following can be released: Carbon monoxide, hydrocarbons Special protective equipment for firefighters: Standard procedure for chemical fires Additional information: Water mist may be used to cool closed containers. In the event of fire and/or explosion do not breathe fumes											
6. Accidental release measures Personal precautions: Not required Environmental precautions: Do not flush into surface water or sanitary sewer system Methods for cleaning up / taking up: Use mechanical handling equipment. Dispose of absorbed material in accordance with the regulations Additional information: None											
7. Handling and storage Advice on safe handling: No special handling advice required Advice on protection against fire and explosion: No special precautions required Requirements on storage rooms and vessels: No special storage conditions required Incompatible materials: Incompatible with oxidizing agents. Do not store together with food Further information on storage conditions: Store at room temperature in the original container											
8. Exposure controls / personal protection Additional advice on system design: Not applicable Ingredients and specific control parameters: None Respiratory protection: No special protective equipment required Hand protection: No special protective equipment required Eye protection: No special protective equipment required Body protection: No special protective equipment required Other protection measures: No special protective equipment required General protection and hygiene measures: Avoid prolonged and/or repeated contact with skin. Remove soiled or soaked clothing immediately. Clean skin thoroughly after work; apply skin cream											

9. Physical and chemical properties Form: paste Colour: light grey Odour: characteristic Drop point: > 220 °C, DIN ISO 2176 Flash point: > 300 °C (base oil) Flammability: not applicable Ignition temperature: not applicable Autoflammability: not applicable Lower explosion limit: not applicable Upper explosion limit: not applicable Vapour pressure-first: not applicable Density: approx. 1.1 g/cm ³ , 20 °C Water solubility: insoluble pH value: not applicable Kinematic viscosity: not applicable Further information: none	
10. Stability and reactivity Conditions to avoid: None Materials to avoid: Strong oxidizing agents Hazardous decomposition products: None under normal use Additional information: None	
11. Toxicological information The toxicological data has been taken from products of similar composition Acute toxicity: LD ₅₀ /oral/rat = > 2 g/kg (literature data) Chronic toxicity: None Human experience: Prolonged skin contact may cause skin irritation and/or dermatitis	
12. Ecological information Information on elimination (persistence and degradability): Product is insoluble in water. May be separated out mechanically in purification plants Behaviour in environmental compartments: Ecological injuries are not known or expected under normal use Ecotoxic effects: Aquatic toxicity is unlikely due to low solubility Additional information: Should not be released into the environment	
13. Advice on Disposal Disposal: Can be incinerated when in compliance with local, state and federal regulations Dispose of contaminated packaging and recommended cleaning: Offer rinsed packaging material to local recycling facilities	
14. Transport information GGVS / GGVE: not applicable ADN / ADN: not applicable IMDG-Code: not applicable ICAO / IATA-DGR: not applicable Further information: Not classified as dangerous in the meaning of transport regulations	
15. Regulatory information Labelling according to EU-guidelines: The product is classified and labelled in accordance with EC-directives/German regulations on dangerous substances Hazard(s): Xn – Harmful Hazardous component(s) to be indicated on label: Barium soap R phrases: 22. Harmful if swallowed. S phrases: 28. After contact with skin, wash immediately with plenty water and mild cleaners National regulations: Labelling according to the Swiss regulations: No toxicological class, BAGT-no. 83040	
16. Other information Issue-department of Safety Data Sheet: Chemical Documentation, Tel.: ++49 - 89 7876 - 564	

The data in this product information is based on our general experience and knowledge at the time of printing and is intended to give information of possible applications to a reader with technical experience. It constitutes neither an assurance of product properties nor does it release the user from the obligation of performing preliminary tests with the selected product. We recommend contacting our Technical Consulting Staff to discuss your specific application. If required and possible we will be pleased to provide a sample for testing. Klüber products are continually improved. Therefore, Klüber Lubrication reserves the right to change all the technical data in this product information at any time without notice.



Klüber Lubrication München KG, a member of the Freudenberg group