

**Cover sheet of Demag Cranes & Components GmbH for
Original Safety data sheet of the manufacturer**

- **Product identifier of Demag Cranes & Components GmbH for**

Product name: Fett K 2N-15STA.NBU12K

Ident. no(s). or product code: 47293344

- **Product identifier of the manufacturer**

Product name: STABURAGS NBU 12 K Demag

Produktcode: 017150

The above-mentioned product remains unchanged and identical to the material or mixture listed in the following original safety data sheet of the manufacturer. Therefore all data specified in this safety data sheet apply, without limitation, to the above product of Demag Cranes & Components GmbH.

Wetter, 2018-05-15

Demag Cranes & Components GmbH

Wetter site

Ruhrstrasse 28

58300 Wetter / Germany

Fon: +49 2335 92-0 (Reception)

+49 2335 92-7189 (Standardization)

E-Mail: DCC.DCCDEStandardization@demagcranes.com

Web: www.demagcranes.de

Hardcopy only for information / not under document modification control

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - DE



STABURAGS NBU 12 K Demag

Version 2.0

Revision Date 17.05.2017

Print Date 17.05.2017

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name : STABURAGS NBU 12 K Demag

Article-No. : 017150

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the : Grease

Substance/Mixture

Recommended restrictions : Restricted to professional users.
on use

1.3 Details of the supplier of the safety data sheet

Klüber Lubrication München
Geisenhausenerstr. 7
81379 München
Deutschland
Tel: +49 (0) 89 7876 0
Fax: +49 (0) 89 7876 333
info@klueber.com

E-mail address : mcm@klueber.com

Responsible/issuing person : Material Compliance Management

National contact : Klüber Lubrication Deutschland
Geisenhausenerstraße 7
81379 München
Deutschland
Tel.: +49 89 7876 0
Fax: +49 89 7876 565
customer.service.de@klueber.com
www.klueber.com

1.4 Emergency telephone number

+49 89 7876 700 (24 hrs)

2. Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

Classification (67/548/EEC, 1999/45/EC)

Not a hazardous substance or mixture.

STABURAGS NBU 12 K Demag

Version 2.0

Revision Date 17.05.2017

Print Date 17.05.2017

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

Additional Labelling:

EUH210 Safety data sheet available on request.

EUH208 Contains: pin-2(3)-ene **May produce an allergic reaction.**

2.3 Other hazards

3. Composition/information on ingredients

3.2 Mixtures

Chemical nature : Mineral oil.
barium complex soap

Hazardous components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
2-(heptadecenyl)-2-oxazoline-4,4-dimethanol	28984-69-2 249-355-5	R52/53	Aquatic Chronic 3; H412	>= 1 - < 2,5
pin-2(3)-ene	80-56-8 201-291-9	R10 Xi; R38 Xi; R43 Xn; R65	Flam. Liq. 3; H226 Skin Irrit. 2; H315 Skin Sens. 1; H317 Asp. Tox. 1; H304	>= 0,1 - < 1

For the full text of the R-phrases mentioned in this Section, see Section 16.

For the full text of the H-Statements mentioned in this Section, see Section 16.

4. First aid measures

4.1 Description of first aid measures

If inhaled : Remove person to fresh air. If signs/symptoms continue, get medical attention.
Keep patient warm and at rest.
If unconscious, place in recovery position and seek medical advice.
Keep respiratory tract clear.
If breathing is irregular or stopped, administer artificial respiration.

In case of skin contact : Take off all contaminated clothing immediately.
Wash off immediately with soap and plenty of water.
Get medical attention immediately if irritation develops and persists.
Wash clothing before reuse.
Thoroughly clean shoes before reuse.

STABURAGS NBU 12 K Demag

Version 2.0

Revision Date 17.05.2017

Print Date 17.05.2017

- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 10 minutes.
If eye irritation persists, consult a specialist.
- If swallowed : Move the victim to fresh air.
If unconscious, place in recovery position and seek medical advice.
Keep respiratory tract clear.
Do not induce vomiting without medical advice.
Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

- Symptoms : Allergic appearance
- Risks : May cause an allergic skin reaction.

4.3 Indication of any immediate medical attention and special treatment needed

- Treatment : The first aid procedure should be established in consultation with the doctor responsible for industrial medicine.

5. Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Unsuitable extinguishing media : High volume water jet

5.2 Special hazards arising from the substance or mixture

- Specific hazards during firefighting : Fire may cause evolution of:
Carbon oxides
Metal oxides
Nitrogen oxides (NOx)

5.3 Advice for firefighters

- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.
Use personal protective equipment.
In the case of respirable dust and/or fumes, use self-contained breathing apparatus.
Exposure to decomposition products may be a hazard to health.
- Further information : Standard procedure for chemical fires.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Personal precautions : Evacuate personnel to safe areas.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - DE



STABURAGS NBU 12 K Demag

Version 2.0

Revision Date 17.05.2017

Print Date 17.05.2017

Use the indicated respiratory protection if the occupational exposure limit is exceeded and/or in case of product release (dust).

Avoid breathing dust.

Refer to protective measures listed in sections 7 and 8.

6.2 Environmental precautions

Environmental precautions : Try to prevent the material from entering drains or water courses.
Local authorities should be advised if significant spillages cannot be contained.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Clean up promptly by sweeping or vacuum.
Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For personal protection see section 8.

7. Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Avoid contact with skin and eyes.
For personal protection see section 8.
Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.
Smoking, eating and drinking should be prohibited in the application area.
Wash hands and face before breaks and immediately after handling the product.
Do not get in eyes or mouth or on skin.
Do not get on skin or clothing.
Do not ingest.
Do not repack.
These safety instructions also apply to empty packaging which may still contain product residues.
Keep container closed when not in use.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Store in original container.
Keep container closed when not in use.
Keep in a dry, cool and well-ventilated place.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Store in accordance with the particular national regulations.
Keep in properly labelled containers.

German storage class : 11 Combustible Solids

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - DE



STABURAGS NBU 12 K Demag

Version 2.0

Revision Date 17.05.2017

Print Date 17.05.2017

7.3 Specific end use(s)

: Consult the technical guidelines for the use of this substance/mixture.

8. Exposure controls/personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.

DNEL

pin-2(3)-ene

: End Use: Workers
Exposure routes: Inhalation
Potential health effects: Long-term systemic effects
Value: 5,98 mg/m³

End Use: Workers
Exposure routes: Skin contact
Potential health effects: Acute local effects
Value: 0,161 mg/cm²

PNEC

pin-2(3)-ene

: Fresh water
Value: 0,004 mg/l

Marine water
Value: 0,0004 mg/l

Microbiological Activity in Sewage Treatment Systems
Value: 3,26 mg/l

Fresh water sediment
Value: 1,033 mg/kg

Marine sediment
Value: 0,103 mg/kg

Soil
Value: 0,539 mg/kg

Oral
Value: 1,35 mg/kg

8.2 Exposure controls

Engineering measures

Maintain air concentrations below occupational exposure standards.

Personal protective equipment

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - DE



STABURAGS NBU 12 K Demag

Version 2.0

Revision Date 17.05.2017

Print Date 17.05.2017

- | | |
|------------------------|---|
| Respiratory protection | : Not required; except in case of aerosol formation.
Filter type P |
| Hand protection | : Wear protective gloves.
The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.
The break through time depends amongst other things on the material, the thickness and the type of glove and therefore has to be measured for each case.
In case of contact through splashing:

: Nitrile rubber
Protective index Class 1 |
| Eye protection | : Tightly fitting safety goggles |
| Hygiene measures | : Wash face, hands and any exposed skin thoroughly after handling. |
| Protective measures | : The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. |

Environmental exposure controls

- | | |
|----------------|---|
| General advice | : Try to prevent the material from entering drains or water courses.
Local authorities should be advised if significant spillages cannot be contained. |
|----------------|---|

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

- | | |
|-----------------------------|----------------------|
| Form | : paste |
| Colour | : brown |
| Odour | : characteristic |
| Odour Threshold | : No data available |
| pH | : No data available |
| Melting point/range | : No data available |
| Boiling point/boiling range | : No data available |
| Flash point | : Not applicable |
| Evaporation rate | : No data available |
| Flammability (solid, gas) | : Combustible Solids |

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - DE



STABURAGS NBU 12 K Demag

Version 2.0

Revision Date 17.05.2017

Print Date 17.05.2017

Lower explosion limit	: No data available
Upper explosion limit	: No data available
Vapour pressure	: < 0,001 hPa, 20 °C
Relative vapour density	: No data available
Density	: 0,97 g/cm ³ , 20 °C
Water solubility	: insoluble
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: No data available
Auto-ignition temperature	: No data available
Ignition temperature	: No data available
Thermal decomposition	: No data available
Viscosity, dynamic	: No data available
Viscosity, kinematic	: No data available
Explosive properties	: Not explosive
Oxidizing properties	: No data available

9.2 Other information

Sublimation point	: No data available
Bulk density	: No data available

10. Stability and reactivity

10.1 Reactivity

No hazards to be specially mentioned.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions	: No dangerous reaction known under conditions of normal use.
---------------------	---

10.4 Conditions to avoid

Conditions to avoid	: No conditions to be specially mentioned.
---------------------	--

10.5 Incompatible materials

Materials to avoid	: No materials to be especially mentioned.
--------------------	--

10.6 Hazardous decomposition products

Hazardous decomposition products	: No decomposition if stored and applied as directed.
----------------------------------	---

STABURAGS NBU 12 K Demag

Version 2.0

Revision Date 17.05.2017

Print Date 17.05.2017

11. Toxicological information

11.1 Information on toxicological effects

Product

Acute oral toxicity	: This information is not available.
Acute inhalation toxicity	: This information is not available.
Acute dermal toxicity	: Redness, Local irritation
Skin corrosion/irritation	: This information is not available.
Serious eye damage/eye irritation	: This information is not available.
Respiratory or skin sensitisation	: This information is not available.
Germ cell mutagenicity	
Genotoxicity in vitro	: No data available
Genotoxicity in vivo	: No data available
Carcinogenicity	: No data available
Reproductive toxicity	: No data available
Teratogenicity	: No data available
Repeated dose toxicity	: This information is not available.
Aspiration toxicity	: This information is not available.
Further information	: Information given is based on data on the components and the toxicology of similar products.

Components:

pin-2(3)-ene :

Acute oral toxicity	: LD50: 3.700 mg/kg, Rat
Acute dermal toxicity	: LD50: > 5.000 mg/kg, Rabbit
Skin corrosion/irritation	: Rabbit, Result: Irritating to skin., Classification: Irritating to skin.
Respiratory or skin sensitisation	: Maximisation Test, Guinea pig, Result: May cause sensitisation by skin contact., Classification: May cause sensitisation by skin contact., OECD Test Guideline 406
Aspiration toxicity	: May be fatal if swallowed and enters airways.

12. Ecological information

12.1 Toxicity

Product:

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - DE



STABURAGS NBU 12 K Demag

Version 2.0

Revision Date 17.05.2017

Print Date 17.05.2017

Toxicity to fish	:	No data available
Toxicity to daphnia and other aquatic invertebrates	:	No data available
Toxicity to algae	:	No data available
Toxicity to bacteria	:	No data available

Components:

2-(heptadecenyl)-2-oxazoline-4,4-dimethanol :

Toxicity to fish	:	LC50: 2.100 mg/l, 96 h, Leuciscus idus (Golden orfe)
Toxicity to algae	:	EC50: 60 mg/l, 72 h, Scenedesmus capricornutum (fresh water algae), Growth inhibition

pin-2(3)-ene :

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	:	NOEC: 8,8 mg/l, 48 d, Daphnia magna (Water flea)
--	---	--

Ecotoxicology Assessment

Acute aquatic toxicity	:	No toxicity at the limit of solubility
Chronic aquatic toxicity	:	No toxicity at the limit of solubility

12.2 Persistence and degradability

Product:

Biodegradability	:	No data available
Physico-chemical removability	:	No data available

Components:

2-(heptadecenyl)-2-oxazoline-4,4-dimethanol :

Biodegradability	:	Primary biodegradation, 30 %, Result: Not rapidly biodegradable, Exposure time: 28 d, OECD 301 D
------------------	---	--

pin-2(3)-ene :

Biodegradability	:	aerobic, > 90 %, Result: rapidly biodegradable, Exposure time: 28 d, activated sludge, OECD Test Guideline 301C
------------------	---	---

12.3 Bioaccumulative potential

Product:

Bioaccumulation	:	This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT)., This mixture contains no substance considered to be very persistent and very bioaccumulating (vPvB).
-----------------	---	--

12.4 Mobility in soil

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - DE



STABURAGS NBU 12 K Demag

Version 2.0

Revision Date 17.05.2017

Print Date 17.05.2017

Product:

Mobility : No data available
Distribution among : No data available
environmental compartments

12.5 Results of PBT and vPvB assessment

Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects

Product:

Additional ecological : No information on ecology is available.
information

13. Disposal considerations

13.1 Waste treatment methods

Product : The product should not be allowed to enter drains, water courses or the soil.
: Waste codes should be assigned by the user based on the application for which the product was used.
Contaminated packaging : Empty containers can be landfilled, when in accordance with the local regulations.

14. Transport information

14.1 UN number

ADR

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

14.2 Proper shipping name

ADR

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

14.3 Transport hazard class

ADR

Not dangerous goods

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - DE



STABURAGS NBU 12 K Demag

Version 2.0

Revision Date 17.05.2017

Print Date 17.05.2017

IMDG

Not dangerous goods

IATA

Not dangerous goods

14.4 Packing group

ADR

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

14.5 Environmental hazards

ADR

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

14.6 Special precautions for user

No special precautions required.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Remarks : Not applicable for product as supplied.

15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57).

Major Accident Hazard Legislation : 96/82/EC Update: Not applicable

: 2012/18/EU Update: Not applicable

Water contaminating class (Germany) : WGK 1: slightly water endangering

TA Luft List (Germany) : Total dust: Portion other substances: 34,31 %
Inorganic substances in powdered form: Not applicable
Inorganic substances in vapour or gaseous form: Not applicable
Organic Substances: Portion other substances: 65,69 %
Carcinogenic substances: Not applicable

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - DE



STABURAGS NBU 12 K Demag

Version 2.0

Revision Date 17.05.2017

Print Date 17.05.2017

Mutagenic: Not applicable
Toxic to reproduction: Not applicable

15.2 Chemical safety assessment

This information is not available.

16. Other information

Full text of R-phrases referred to under sections 2 and 3

R10	Flammable.
R38	Irritating to skin.
R43	May cause sensitisation by skin contact.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65	Harmful: may cause lung damage if swallowed.

Full text of H-Statements referred to under sections 2 and 3.

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H412	Harmful to aquatic life with long lasting effects.

Further information

This safety datasheet applies only to products originally packaged and labelled by KLÜBER LUBRICATION. The information contained therein is protected by copyright and must not be reproduced or amended without the express written approval of KLÜBER LUBRICATION. This document may be passed on only to the extent required by law. Any dissemination of our safety datasheets (e.g. as a document for download from the Internet) beyond this legally required extent is not permitted without express written consent. KLÜBER LUBRICATION provides its customers with amended safety datasheets as prescribed by law. The customer is responsible for passing on safety datasheets and any amendments contained therein to its own customers, employees and other users of the product. KLÜBER LUBRICATION provides no guarantee that safety datasheets received by users from third parties are up-to-date. All information and instructions in this safety datasheets were compiled to the best of our knowledge and are based on the information available to us. The data provided are intended to describe the product in relation to the required safety measures; they are neither an assurance of characteristics nor a guarantee of the product's suitability for particular applications and do not justify any contractual legal relationships.