

Documentation

***anti-seize paste for
stainless-steel cutting ring fittings***

- Type PASTE ES -



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2. Hazards identification

2.1. Hazard description	Not applicable.
2.2. Information concerning particular hazards for human and environment	The product does not have to be lab elled due to the calculation procedure of the „General Classification guideline for preparations of the EU“ in the latest valid version.
2.3. Classification system	The classification is according to the latest editions of the EU-lists, and extended by company and literature data.
2.4. GHS label elements	

3. Composition / information on ingredients

3.1. Chemical characterization

Description: Mixture of substances listed below with nonhazardous additions.

3.2. Dangerous components

Void.

4. First-aid measures

General information:	No special measures required.
After inhalation:	Supply fresh air; consult doctor in case of complaints.
After skin contact:	Generally the product does not irritate the skin.
After eye contact:	Rinse opened eye for several minutes under running water.
After swallowing:	If symptoms persist consult doctor.

5. Fire-fighting measures

Suitable extinguishing agents:	Use fire extinguishing methods suitable to surrounding conditions.
Protective equipment:	No special measures required.

6. Accidental release measures

Person-related safety precautions:	Not required.
Measures for environmental protection:	Do not allow to enter sewers/ surface or ground water.
Measures for cleaning / collecting:	Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Additional information:	No dangerous substances are released.

7. Handling and storage

7.1. Handling

Information for safe handling: No special measures required.

Information about fire- and explosion protection: No special measures required.

7.2. Storage

Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: None.

8. Exposure controls / personal protection

8.1. Additional information about design of technical facilities

No further data, see item 7.

8.2. Ingredients with limit values that require monitoring at the workplace

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

8.3. Additional information

The lists valid during the making were used as basis.

8.4. Personal protective equipment

General protective and hygienic measures: The usual precautionary measures are to be adhered to when handling chemicals.

Respiratory protection: Not required.

Protection of hands: The glove material has to be impermeable and resistant to the product / the substance / the preparation. Due to missing tests no recommendation to the glove material can be given for the product / the preparation / the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves: The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material: The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection: Goggles recommended during refilling.

Miscellaneous: The anti-seize-paste is siliconfree.

9. Physical and chemical properties

Form:	pasty
Colour:	whitish
Odour:	mineral-oil-like
Change in condition – Melting point/Melting range:	undetermined
Change in condition – Boiling point/Boiling range:	undetermined
Flash point:	> 100°C (ISO 2592) (Basic oil)
Decomposition temperature:	undetermined
Self-inflammability:	Product is not selfigniting.
Danger of explosion:	Product is not explosive.
Density at 20°C:	1.43 g/cm ³
Solubility in/Miscibility with Water:	Non miscible or difficult to mix.
Viscosity:	Not available.
Solvent content – Organic solvents:	0.0 %
Solvent content – Water:	0.0 %
Solids content:	100.0 %

10. Stability and reactivity

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

Dangerous reactions: Reacts with oxidizing agents.

Dangerous decomposition products: No dangerous decomposition products known.

11. Toxicological information

11.1. Acute Toxicity

Primary irritant effect on the skin:	No irritant effect.
Primary irritant effect on the eye:	No irritant effect.
Sensitization:	No sensitizing effects known.

11.2. Additional toxicological information

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version. When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

12. Ecological information

General notes:	Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
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13. Disposal considerations

Product:	Smaller quantities can be disposed of with household waste.
EWC:	20 01 26 – oil and fat other than those mentioned in 20 01 25
Uncleaned packaging:	Recommendation: Disposal must be made according to official regulations.

14. Transport information

	ADR/RID	IMDG-Code	IATA-DGR
UN-number	not applicable	not applicable	not applicable
Name of the good	not applicable	not applicable	not applicable
Goods class	No dangerous good acc. to dangerous goods/transport directions	No dangerous good acc. to dangerous goods/transport directions	No dangerous good acc. to dangerous goods/transport directions

15. Regulatory information

<u>15.1. Labelling according to EU guidelines</u>	Observe the general safety regulations when handling chemicals. The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).
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<u>15.2. Safety phrases</u>	46 If swallowed, seek medical advice immediately and show this container or label. 52 Not recommended for interior use on large surface areas.
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15.3. National regulations

Waterhazard class:	Water hazard class 1 (Self-assessment): slightly hazardous for water.
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16. Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

17. Application

Montagepaste für Edelstahl-Schneidringverschraubungen

Info: Für die fehlerfreie Montage von ES-Schneidringverschraubungen ist eine Schmierung am Schneidring sowie am Gewinde der Überwurfmutter sehr wichtig. Für diesen Anwendungsfall eignet sich hervorragend PASTE ES. PASTE ES ist eine weiße Paste auf synthetischer Schmierstoffbasis. Sie beinhaltet hochdruck- und hochtemperaturbeständige Keramikbestandteile, durch die auch unter extremsten Einsatzbedingungen unter Druck stehende Metallteile (z.B. Gewinde) leicht wieder getrennt werden können.

- Vorteile:**
- verhindert Korrosion und Festfressen
 - ist beständig gegenüber Säuren, Laugen, Chemikalien, Süß- und Seewasser bei Temperaturen von -20°C bis +1400°C
 - dichtet Gewinde, Flansche und Gehäuse
 - spart Kosten durch leichtes Lösen verbundener Teile (auch nach Jahren), weniger Zeitaufwand und weniger Bruch

Tipp: für Lebensmittelanwendungen empfehlen wir das Loctite-Produkt 8014 (siehe Seite 815)

Typ	Gebinde
PASTE ES	500 g Pinseldose
PASTE ES PP	200 g Presspack mit Winkeldispenser und Pinsel

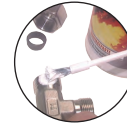


Achtung: nicht für Sauerstoff einsetzbar!

Die Keramikpaste ist silikonfrei.



Perfektes Dosieren auch an schwer zugänglichen Stellen!



500g Dose



200g Presspack

