

Trade name: LUKOIL NAVIGREASE EP 2

Status: 22.08.2011

Product no.: auto11388

Version: 1.0.0 / GB

Date of printing: 22.08.2011

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

**Trade name**

**LUKOIL NAVIGREASE EP 2**

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

**Relevant identified uses of the substance or mixture**

Grease

**Details of the supplier of the safety data sheet**

**Address**

OOO LLK-INTERNATIONAL  
6, Malaya Yakimanka  
119180 Moscow, Russia

Telephone no. +7-495-981-71-14

Fax no. +7-495-981-76-84

**Information provided by / telephone**

+7-495-981-71-14 (9:00 - 17:00)

**Emergency telephone**

For medical advice (in German and English):  
+49 (0)551 192 40 (Giftinformationszentrum Nord)

**Advice on Safety Data Sheet**

sdb\_info@umco.de

**Supplier**

**Address**

LUKOIL Marine Lubricants Ltd.  
Galatariotis Building, 5th Floor  
11 Limassol Avenue  
2112 Aglantzia, Nikosia  
Cyprus

Telephone no. +49 (0)40 / 180 422 020

**2.) Hazards identification**

**Classification of the substance or mixture**

**Classification information**

This product does not meet the classification and labelling criteria given in the Dangerous Preparations Directive (1999/45/EC; DPD)

**Label elements**

**Supplemental label elements**

"Safety data sheet available for professional user on request".

**3.) Composition / information on ingredients**

**Substance / product identification**

**Chemical characterization**

Mixture (preparation)

**Hazardous ingredients**

**Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts**

EC no.	272-028-3	Index no.	-	CAS no.	68649-42-3
Concentration	> 1	<	5	%-b.w.	
Classification	Xi; R41	Xi; R38	N; R51/53		
Hazard symbols	Xi; N	R phrases	38-41-51/53		

**Additional ingredients**

**Highly refined mineral oil (C15-C50)**

EC no.	-	Index no.	-	CAS no.	-
Concentration		<	100	%-b.w.	
Classification	-				

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Hazard symbols -

R phrases -

## 4.) First aid measures

### General information

In case of persisting adverse effects, consult a physician. Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing.

### After inhalation

Remove affected persons from dangerous area by observing suitable respiratory protection measures. Irregular breathing/no breathing: artificial respiration.

### After skin contact

Wash off immediately with soap and water.

### After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.).

### After ingestion

Do not induce vomiting. Summon a doctor immediately. Never give anything by mouth to an unconscious person.

## 5.) Fire-fighting measures

### Suitable extinguishing media

Foam; extinguishing powder; Water spray jet; Carbon dioxide

### Extinguishing media that must not be used for safety reasons

Full water jet

### Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases

In the event of fire, the following can be released: Carbon dioxide (CO<sub>2</sub>); Carbon monoxide (CO)

### Special protective equipment for fire-fighters

Use self-contained breathing apparatus. Wear protective clothing.

### Other information

Cool endangered containers with water spray jet.

## 6.) Accidental release measures

### Personal precautions

Refer to protective measures listed in sections 7 and 8. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing.

### Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

### Methods for cleaning up/taking up

Prevent spread over a wide area (by containment with sand or earth). Take up with absorbent material (e.g., sand, kieselguhr, universal binder). When picked up, treat material as prescribed under heading "Disposal considerations".

## 7.) Handling and storage

### Handling

#### Advice on safe handling

Provide good ventilation of working area (local exhaust ventilation, if necessary). Product inherent handling risks must be minimised taking the appropriate measures for protection and preventive actions. The working process should be designed to rule out the release of hazardous substances or skin contact as far as it is possible by the state of the art.

#### Advice on protection against fire and explosion

Keep away from sources of heat and ignition.

### Storage

#### Requirements for storage rooms and vessels

Store product in closed containers. Storage rooms must be properly ventilated. Emptied containers may contain product residues and therefore must be handled with care.

Reuse only after appropriate cleaning. Never use pressure to empty : container is not a pressure vessel.

#### Advice on storage assembly

Do not store together with: Oxidizing agents; Acids

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**Further information on storage conditions**

Keep container tightly closed in a well-ventilated place. Protect from heat and direct sunlight. Keep in a cool place, heat causes increase in pressure and risk of bursting.

**8.) Exposure controls / personal protection**

**Exposure limit values**

N O N E

**Exposure controls**

**Personal protective equipment**

**Respiratory protection**

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified.

**Hand protection**

Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product . Before use, the protective glove should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Appropriate Material nitrile rubber

**Eye protection**

Safety glasses with side protection shield (EN 166)

**Skin protection**

Normal chemical work clothing. rubber boots

**General protective and hygiene measures**

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Remove soiled or soaked clothing immediately. Avoid contact with eyes and skin. Do not inhale vapours.

**9.) Physical and chemical properties**

**General information**

Form	semi-solid
Colour	brownish yellow
Odour	Oil-like

**Important health, safety and environmental information**

**Changes in physical state**

Value	>	315	°C
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**Flash point**

Value	>	150	°C
Method	Cleveland open cup		

**Ignition temperature**

Remarks no data available

**Vapour pressure**

Value	<	0,01	mm Hg
Reference temperature		37,8	° C

**Density**

Value	>	0,923	kg/l
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**Solubility in water**

Remarks insoluble

**Soluble in**

Value hydrocarbons

**10.) Stability and reactivity**

**Conditions to avoid**

None known

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**Materials to avoid**

Oxidizing agents; Acids

**Hazardous decomposition products**

No hazardous decomposition products known.

**Thermal decomposition**

Remarks No decomposition if used as prescribed.

**11.) Toxicological information**

**Acute toxicity**

**Acute oral toxicity**

Remarks No data available.

**Acute dermal toxicity**

Remarks No data available.

**Acute inhalational toxicity**

Remarks No data available.

**Irritant/corrosive effects**

**Irritant effect on skin**

Remarks No data available.

**Irritant effect on eyes**

Remarks No data available.

**Respiratory tract irritation**

Remarks No data available.

**Sensitisation**

Remarks No data available.

**Effects after repeated or prolonged exposition (subacute, subchronic, chronic)**

**Mutagenicity**

No experimental information on genotoxicity available.

**Reproduction toxicity**

No experimental information on reproduction toxic effects available.

**Carcinogenicity**

No experimental information on carcinogenic effects available.

**Experience in practice**

Repeated and prolonged skin contact may cause removal of natural fat from the skin and irritation of the skin. Eye contact with the product may cause slight irritation. Inhalation of vapours from the heated product can cause irritation of the respiratory tract and the eyes.

**12.) Ecological information**

**Ecotoxicity**

**Fish toxicity**

Remarks No data available.

**Daphnia toxicity**

Remarks No data available.

**Algae toxicity**

Remarks No data available.

**Bacteria toxicity**

Remarks No data available.

**Persistence and degradability**

**Biodegradability**

Remarks No data available.

**Other information**

Do not discharge product unmonitored into the environment.

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**13.) Disposal considerations****Product**

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

**Packaging**

Residuals must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

**14.) Transport information****Other information**

The product is not defined under national/international road, rail, sea and air transport regulations as a hazardous material.

**15.) Regulatory information****Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulations****Council Directive 96/82/EC on the control of major-accident hazards involving dangerous substances**

Remarks: Annex I, part 1 + 2: not mentioned. With regard to possibly appropriate decomposition products see Chapter 10.

**National regulations****National chemical inventories**

TSCA (USA) listed

**16.) Other information****Sources of key data used to compile the data sheet:**

EC Directive 67/548/EC resp. 99/45/EC as amended in each case.

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

EC Directives 2000/39/EC, 2006/15/EC, 2009/161/EC

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding chapter.

**Full text of R-phrases referred to under section 3**

R38	Irritating to skin.
R41	Risk of serious damage to eyes.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Department issuing safety data sheet**

UMCO Umwelt Consult GmbH

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This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.