

## SAFETY DATA SHEET

According to GB/T 16483; GB/T 17519 as amended

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

**Product name:** GLEITMO 2465 V

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

**Identified uses:** Lubricating grease Containers  $\geq 20\text{l}$  for commercial use only

**Uses advised against:** No uses advised against identified.

#### 1.3 Details of the supplier of the safety data sheet

##### Manufacturer / Supplier

FUCHS LUBRICANTS GERMANY GmbH  
Friesenheimer Str. 19  
68169 Mannheim  
+49 621 3701-0 (ZENTRALE)  
+49 621 3701-570

Telephone:  
Fax:

##### Contact for request of safety data sheets

E-mail: Automotive lubricants automotive-FLG@fuchs.com  
Industrial lubricants industrie-FLG@fuchs.com  
Telephone: +49 621 3701-0 (ZENTRALE)

##### Informing department for safety data sheets

E-mail: produktsicherheit-FLG@fuchs.com

**1.4 Emergency telephone number:** +86 0532 8388 9090

### SECTION 2: Hazards identification

**Product name:** GLEITMO 2465 V

---

### Emergency Overview

**Form:** Paste  
**Color:** Light brown  
**Odor:** Characteristic

Causes mild skin irritation.  
Causes serious eye irritation.  
Suspected of causing cancer.  
Toxic to aquatic life.  
Harmful to aquatic life with long lasting effects.

Stable under normal use conditions.  
Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

### 2.1 Classification of the substance or mixture

The product has been classified and labelled as hazardous according to the legislation in force.

#### Health Hazards

Skin Corrosion/Irritation	Category 3
Serious Eye Damage/Eye Irritation	Category 2A
Carcinogenicity	Category 2

#### Environmental Hazards

Acute hazards to the aquatic environment	Category 2
Chronic hazards to the aquatic environment	Category 3

#### Hazard summary

**Physical Hazards:** No data available.

### 2.2 Label Elements



**Signal Words:** Warning

**Product name:** GLEITMO 2465 V

**Hazard Statement(s):** H316: Causes mild skin irritation.  
H319: Causes serious eye irritation.  
H351: Suspected of causing cancer.  
H401: Toxic to aquatic life.  
H412: Harmful to aquatic life with long lasting effects.

**Precautionary Statements**

**Prevention:** P201: Obtain special instructions before use.  
P202: Do not handle until all safety precautions have been read and understood.  
P264: Wash face, hands and any exposed skin thoroughly after handling.  
P273: Avoid release to the environment.  
P280: Wear protective gloves/ protective clothing/ eye protection/ face protection.

**Response:** P332+P313: If skin irritation occurs: Get medical advice/attention.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313: If eye irritation persists: Get medical advice/attention.  
P308+P313: IF exposed or concerned: Get medical advice/attention.

**Storage:** P405: Store locked up.

**Disposal:** P501: Dispose of contents/ container to an approved facility in accordance with local, regional, national and international regulations.

**2.3 Other hazards:** By handling of mineral oil products and chemical products no particular hazard is known when normal precautions (item 7) and personal protective equipment (item 8) are kept. The product may not be released into the environment without control.

**SECTION 3: Composition/information on ingredients**

**3.2 Mixtures**

**General information:** Lubricating grease: Thickener system and additives in synthetic base oil.

Chemical name	CAS:	Concentration *	Notes
Triaryl phosphate, alkylated	Confidential	5.00 - <10.00%	
Lime hydrate	Confidential	1.00 - <3.00%	
Zinc borate	Confidential	1.00 - <3.00%	
Ester derivative	Confidential	1.00 - <5.00%	
Triazine derivative	Confidential	1.00 - <3.00%	
inorganic Zink salt	Confidential	0.25 - <1.00%	
Zn compound	Confidential	0.10 - <0.25%	

\* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

PBT: persistent, bioaccumulative and toxic substance.

vPvB: very persistent and very bioaccumulative substance.

Product name: GLEITMO 2465 V

### Classification

Chemical name	Classification
Triaryl phosphate, alkylated	, Acute Tox. 5; Aquatic Chronic 2; Aquatic Acute 2;
Lime hydrate	Acute Tox. 5;H333, STOT SE 3;H335, Skin Irrit. 2;H315, Eye Dam. 1;H318, Aquatic Acute 3;H402
Zinc borate	Repr. 2;H361d, Aquatic Acute 1;H400, Aquatic Chronic 2;H411
Ester derivative	Eye Irrit. 2;H319
Triazine derivative	, Carc. 2;H351, STOT RE 2;H373, Repr. 2;H361f
inorganic Zink salt	Aquatic Chronic 1;H410, Aquatic Acute 1;H400
Zn compound	Aquatic Acute 1;H400, Aquatic Chronic 1;H410; M-Factor (aquatic acute): 1; M-Factor (aquatic chronic): 1

In this SDS " , " (comma) is used as thousands separator and " . "(point) as decimal separator.

## SECTION 4: First aid measures

**General:** Be aware of own risk during rescue!  
Observe good industrial hygiene practices.  
Instantly remove any clothing soiled by the product.

### 4.1 Description of first aid measures

**Inhalation:** Supply fresh air; consult doctor in case of symptoms.

**Eye contact:** Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention.

**Skin Contact:** Wash with soap and water.

**Ingestion:** Rinse mouth thoroughly.

**4.2 Most important symptoms and effects, both acute and delayed:** Causes serious eye irritation.

**4.3 Indication of any immediate medical attention and special treatment needed** Symptoms may be delayed.

**Notes to the physician** Symptomatic and supportive treatment.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

**Suitable extinguishing media:** CO<sub>2</sub>, fire extinguishing powder or fog like water spraying. Extinguish larger fires with alcohol resistant foam or spray water with suitable surfactant added

**Unsuitable extinguishing media:** Water with a full water jet.

**Product name:** GLEITMO 2465 V

<b>5.2 Special hazards arising from the substance or mixture:</b>	During fire, gases hazardous to health may be formed.
<b>5.3 Advice for firefighters</b>	
<b>Special fire-fighting procedures:</b>	Move container from fire area if it can be done without risk. Dispose of fire debris and contaminated fire fighting water in accordance with official regulations. Collect contaminated fire fighting water separately. It must not enter drains.
<b>Special protective equipment for fire-fighters:</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

#### SECTION 6: Accidental release measures

<b>6.1 Personal precautions, protective equipment and emergency procedures:</b>	Not required.
<b>6.2 Environmental Precautions:</b>	Avoid release to the environment. Prevent further leakage or spillage if safe to do so.
<b>6.3 Methods and material for containment and cleaning up:</b>	Scrape up spillage or absorb with absorbing material. Dispose of the material collected according to regulations. Stop the flow of material, if this is without risk.
<b>6.4 Reference to other sections:</b>	See Section 8 of the SDS for Personal Protective Equipment. See Section 7 for information on safe handling See Section 13 for information on disposal.  Dike for later disposal. Prevent entry into waterways, sewer, basements or confined areas. Stop the flow of material, if this is without risk.

#### SECTION 7: Handling and storage:

<b>7.1 Precautions for safe handling:</b>	Do not eat, drink or smoke when working with the product. Take usual precautions when handling mineral oil products or chemical products. Observe good industrial hygiene practices. Provide adequate ventilation. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Do not eat, drink or smoke when working with the product. Take usual precautions when handling mineral oil products or chemical products. Avoid contact with eyes. Wash hands thoroughly after handling.
<b>7.2 Conditions for safe storage, including any incompatibilities:</b>	Store locked up. Local regulations concerning handling and storage of waterpolluting products have to be followed.
<b>7.3 Specific end use(s):</b>	Not applicable

Product name: GLEITMO 2465 V

## SECTION 8: Exposure controls/personal protection

### 8.1 Control Parameters

#### Occupational Exposure Limits

None of the components have assigned exposure limits.

### 8.2 Exposure controls

#### Appropriate engineering controls:

Provide adequate ventilation. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

#### Individual protection measures, such as personal protective equipment

##### General information:

Wash hands before breaks and after work. Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment. The usual precautionary measures should be adhered to in handling the chemicals or the mineral oil products.

##### Eye/face protection:

Avoid contact with skin and eyes. Goggles/face shield are recommended. If risk of splashing, wear safety goggles or face shield.

##### Skin protection

##### Hand Protection:

Material: Nitrile butyl rubber (NBR).  
Min. Breakthrough time:  $\geq 480$  min  
Recommended thickness of the material:  $\geq 0.38$  mm

Avoid long-term and repeated skin contact. Suitable gloves can be recommended by the glove supplier. Use skin protection cream for preventive skin protection. Protective gloves, where permitted in acc. to safety directions. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

##### Other:

Do not carry cleaning cloths impregnated with the product in trouser pockets. Wear suitable protective clothing.

##### Respiratory Protection:

Not relevant, due to the form of the product.

##### Thermal hazards:

Not known.

##### Hygiene measures:

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.

##### Environmental Controls:

No data available.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

**Product name:** GLEITMO 2465 V

<b>Physical state:</b>	solid
<b>Form:</b>	Paste
<b>Color:</b>	Light brown
<b>Odor:</b>	Characteristic
<b>Odor Threshold:</b>	Not applicable for mixtures
<b>pH:</b>	substance/mixture is non-soluble (in water)
<b>Drop Point:</b>	Not applicable for mixtures
<b>Boiling Point:</b>	No data available.
<b>Flash Point:</b>	Not applicable
<b>Evaporation Rate:</b>	Not applicable for mixtures
<b>Flammability (solid, gas):</b>	Value not relevant for classification
<b>Explosion Limit - Upper (%):</b>	Not applicable for mixtures
<b>Explosion Limit - Lower (%):</b>	Not applicable for mixtures
<b>Vapor pressure:</b>	Not applicable for mixtures
<b>Relative vapor density:</b>	Not applicable for mixtures
<b>Density:</b>	1.10 g/cm <sup>3</sup> (15 °C)
<b>Solubility(ies)</b>	
<b>Solubility in Water:</b>	Insoluble in water
<b>Solubility (other):</b>	No data available.
<b>Partition coefficient (n-octanol/water):</b>	Not applicable for mixtures
<b>Auto-ignition temperature:</b>	Value not relevant for classification
<b>Decomposition Temperature:</b>	Value not relevant for classification
<b>NLGI:</b>	1
<b>Explosive properties:</b>	Value not relevant for classification
<b>Oxidizing properties:</b>	Value not relevant for classification
<b>9.2 Other information</b>	No data available.

## SECTION 10: Stability and reactivity

<b>10.1 Reactivity:</b>	Stable under normal use conditions.
<b>10.2 Chemical Stability:</b>	Stable under normal use conditions.
<b>10.3 Possibility of hazardous reactions:</b>	Stable under normal use conditions.
<b>10.4 Conditions to avoid:</b>	Stable under normal use conditions.
<b>10.5 Incompatible Materials:</b>	Strong oxidizing substances. Strong acids. Strong bases.
<b>10.6 Hazardous Decomposition Products:</b>	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

## SECTION 11: Toxicological information

### Information on likely routes of exposure

**Inhalation:** No data available.

**Product name:** GLEITMO 2465 V

---

<b>Ingestion:</b>	No data available.
<b>Skin Contact:</b>	No data available.
<b>Eye contact:</b>	Causes eye irritation.

### 11.1 Information on toxicological effects

#### Acute toxicity

##### Oral

<b>Product:</b>	ATEmix: 125,000 mg/kg
<b>Specified substance(s)</b>	
Triaryl phosphate, alkylated	LD 50 (Rat): > 5,000 mg/kg
Lime hydrate	LD 50 (Rat): 7,340 mg/kg
Ester derivative	LD 50 (Rat): 33,520 mg/kg
Triazine derivative	LD 50 (Rat): 2,500 mg/kg
Zn compound	LD 50 (Rat): > 15,000 mg/kg

##### Dermal

<b>Product:</b>	ATEmix: 40,020 mg/kg
<b>Specified substance(s)</b>	
Triaryl phosphate, alkylated	LD 50 (Rat): > 2,001 mg/kg
Triazine derivative	LD 50 (Rat): 5,520 mg/kg

##### Inhalation

<b>Product:</b>	Not classified for acute toxicity based on available data.
<b>Specified substance(s)</b>	
Lime hydrate	LC 50 (Rat, 4 h): 6.04 mg/l Dust and mist
Zn compound	LC 50 (Rat, 4 h): 5.7 mg/l

##### Skin Corrosion/Irritation:

<b>Product:</b>	Based on available data, the classification criteria are met.
<b>Specified substance(s)</b>	
Ester derivative	OECD 404 (Rabbit): Not irritant.

##### Serious Eye Damage/Eye Irritation:

<b>Product:</b>	Based on available data, the classification criteria are met.
<b>Specified substance(s)</b>	
Ester derivative	(Rabbit): Irritating to eyes.



**Product name:** GLEITMO 2465 V

**Respiratory or Skin Sensitization:**

**Product:** Skin sensitizer: Based on available data, the classification criteria are not met.  
Respiratory sensitizer: Based on available data, the classification criteria are not met.

**Germ Cell Mutagenicity**

**Product:** Based on available data, the classification criteria are not met.

**Carcinogenicity**

**Product:** Based on available data, the classification criteria are met.

**Reproductive toxicity**

**Product:** Based on available data, the classification criteria are not met.

**Specific Target Organ Toxicity - Single Exposure**

**Product:** Based on available data, the classification criteria are not met.

**Specific Target Organ Toxicity - Repeated Exposure**

**Product:** Based on available data, the classification criteria are not met.

**Aspiration Hazard**

**Product:** Based on available data, the classification criteria are not met.

**Other adverse effects:** No data available.

**SECTION 12: Ecological information**

**General information:** Not applicable Not applicable

**12.1 Toxicity**

**Acute toxicity**

**Product:** Based on available data, the classification criteria are met.

**Fish**

**Specified substance(s)**

Triaryl phosphate, alkylated LC 50 (Fish, 96 h): 3.4 mg/l

Lime hydrate LC 50 (Fish, 96 h): 50.6 mg/l (OECD 203)

Ester derivative LC 50 (Fish, 96 h): > 1,001 mg/l

Triazine derivative LC 50 (Fish, 96 h): > 100 mg/l

**Aquatic Invertebrates**

**Specified substance(s)**

Triaryl phosphate, alkylated EC 50 (Water Flea, 48 h): 3.9 mg/l

Lime hydrate EC 50 (Water Flea, 48 h): 49.1 mg/l (OECD 202)

Ester derivative EC 50 (Water Flea, 48 h): 1,000 mg/l (OECD 202)

**Product name:** GLEITMO 2465 V

Triazine derivative	EC 50 (Water Flea): > 100 mg/l
inorganic Zink salt	EC 50 (Water Flea, 48 h): 26 mg/l
Zn compound	EC 50 (Water Flea, 48 h): 2.2 mg/l

**Chronic ToxicityProduct:** Based on available data, the classification criteria are met.

#### **Aquatic Invertebrates**

##### **Specified substance(s)**

Lime hydrate	NOEC (Water Flea, 14 d): 32 mg/l
--------------	----------------------------------

#### **Toxicity to Aquatic Plants**

##### **Specified substance(s)**

Lime hydrate	NOEC (Alga, 72 h): 48 mg/l EC 50 (Alga, 72 h): 184.57 mg/l
Ester derivative	EC 50 (Alga, 72 h): > 900 mg/l (OECD 201)
inorganic Zink salt	EC 50 (Algae, 72 h): 0.233 mg/l (OECD 201)
Zn compound	EC 50 (Alga, 72 h): 0.17 mg/l

## **12.2 Persistence and Degradability**

#### **Biodegradation**

**Product:** Not applicable for mixtures

##### **Specified substance(s)**

Triaryl phosphate,  
alkylated Readily biodegradable

Ester derivative 83.5 - 87.7 % (29 d, OECD 301B) Readily biodegradable

## **12.3 Bioaccumulative potential**

**Product:** Not applicable for mixtures

## **12.4 Mobility in soil:**

**Product:** Not applicable for mixtures

## **12.5 Results of PBT and vPvB assessment:**

The product does not contain any substances fulfilling the PBT/vPvB criteria.

## **12.6 Other adverse effects:**

The classification of this product is based all or in part on test data. Harmful to aquatic life with long lasting effects.

## **SECTION 13: Disposal considerations**

### **13.1 Waste treatment methods**

**General information:** Dispose in accordance with all applicable regulations.

**Product name:** GLEITMO 2465 V

**Disposal methods:** Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.  
Discharge, treatment, or disposal may be subject to national, state, or local laws.

#### SECTION 14: Transport information

##### ADR/RID

14.1 UN number or ID number: —  
14.2 UN Proper Shipping Name: —  
14.3 Transport Hazard Class(es)  
    Class: Non-dangerous goods  
    Label(s): —  
    Hazard No. (ADR): —  
    Tunnel restriction code: —  
14.4 Packing Group: —  
14.5 Environmental hazards: —  
14.6 Special precautions for user: —

##### ADN

14.1 UN number or ID number: —  
14.2 UN Proper Shipping Name: —  
14.3 Transport Hazard Class(es)  
    Class: Non-dangerous goods  
    Label(s): —  
14.3 Packing Group: —  
14.5 Environmental hazards: —  
14.6 Special precautions for user: —

##### IMDG

14.1 UN number or ID number: —  
14.2 UN Proper Shipping Name: —  
14.3 Transport Hazard Class(es)  
    Class: Non-dangerous goods  
    Label(s): —  
    EmS No.: —  
14.3 Packing Group: —  
14.5 Environmental hazards: —  
14.6 Special precautions for user: —

##### IATA

14.1 UN number or ID number: —  
14.2 Proper Shipping Name: —  
14.3 Transport Hazard Class(es)  
    Class: Non-dangerous goods  
    Label(s): —  
14.4 Packing Group: —  
14.5 Environmental hazards: —  
14.6 Special precautions for user: —

**14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code:** Not applicable.

Product name: GLEITMO 2465 V

## SECTION 15: Regulatory information

### Inventory Status

IECSC	On or in compliance with the inventory
-------	--

Decree No. 591 of the State Council of the People's Republic of China: Regulations on the Control over Safety of Hazardous Chemicals

GB 6944: Classification and code of dangerous goods

GB 12268: List of dangerous goods

GB 190: Packing symbol of dangerous goods

GB 13690: General rule for Classification and hazard communication of chemicals

GB 30000.(2-29): Rules for classification and labelling of chemicals - Part 2-29

GB 15258-2009: General Rules for Preparation of precautionary label for chemicals

GBZ 2.1: Occupational exposure limits for hazardous agents in the workplace

Law of the People's Republic of China on Prevention and Control of Occupational Diseases

## SECTION 16: Other information

**Revision Information:** Vertical lines in the margin indicate an amendment.

### Wording of the H-statements in section 2 and 3

H315	Causes skin irritation.
H316	Causes mild skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H333	May be harmful if inhaled.
H335	May cause respiratory irritation.
H351	Suspected of causing cancer.
H361d	Suspected of damaging the unborn child.
H361f	Suspected of damaging fertility.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H401	Toxic to aquatic life.
H402	Harmful to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

**Revision Date:** 11.12.2024

**Disclaimer:** The data contained in this safety data sheet are based on our current knowledge and experience and are given to the best of our knowledge and belief. It characterizes the product only with regard to safety requirements for handling, transport and disposal. The data do not describe the product's properties (tech. product specification). Neither should any agreed property nor the suitability of the product for any specific technical application be deduced from the data contained in this safety data sheet. Modifications on this document are not allowed. The data are not transferable to other products. In the case of mixing the product with other products or in the case of processing, the data in this safety data sheet are not necessarily valid for the new-made material. It is the responsibility of the recipient of the product to observe federal, state and local law. Please contact us to obtain up-to-date safety data sheets. This document was issued electronically and has no signature.

**Product name:** GLEITMO 2465 V

---

**Abbreviations and acronyms:**

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; EIGA - European Industrial Gases Association; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TECl - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative