

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - HU  
(Commission Regulation (EU) 2020/878)



## OKS 245

Version	Revision Date:	Date of last issue: 13.10.2022	Print Date:
3.0	30.10.2023	Date of first issue: 30.05.2016	30.10.2023

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

#### 1.1 Product identifier

Product name : OKS 245

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

Use of the Substance/Mixture : Lubricant

Recommended restrictions on use : Restricted to professional users.

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

Company : OKS Spezialechmierstoffe GmbH  
Ganghoferstr. 47  
D-82216 Maisach-Gernlinden  
Tel.: +49 8142 3051 500  
Fax.: +49 8142 3051 599  
info@oks-germany.com

E-mail address of person responsible for the SDS : mcm@oks-germany.com  
Material Compliance Management

National contact : EagleBurgmann Hungaria Kft.  
Népfürdő utca 22  
1138 Budapest  
Hungary  
Tel.: +36 1 814 8160  
Fax: +36 1 319 8125  
info.hu@eagleburgmann.com

#### 1.4 Emergency telephone number

Emergency telephone number : 0049 (0) 8142-3051-517  
Egészségügyi Toxikológiai Tájékoztató Szolgálat (ETTSZ)  
H-1096 Budapest, Nagyvárad tér 2.  
Tel: +36 1 476 6464, +36 80 201 199

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - HU  
(Commission Regulation (EU) 2020/878)



## OKS 245

Version	Revision Date:	Date of last issue: 13.10.2022	Print Date:
3.0	30.10.2023	Date of first issue: 30.05.2016	30.10.2023

## SECTION 2: Hazards identification


### 2.1 Classification of the substance or mixture

#### Classification (REGULATION (EC) No 1272/2008)

Long-term (chronic) aquatic hazard, Category 2  
H411: Toxic to aquatic life with long lasting effects.

### 2.2 Label elements

#### Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms : 

Hazard statements : H411 Toxic to aquatic life with long lasting effects.

Precautionary statements : **Prevention:**  
P273 Avoid release to the environment.  
**Response:**  
P391 Collect spillage.

### 2.3 Other hazards

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.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Chemical nature : Mineral oil.  
Thickening agent

#### Components

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - HU  
(Commission Regulation (EU) 2020/878)



## OKS 245

Version 3.0      Revision Date: 30.10.2023      Date of last issue: 13.10.2022      Print Date: 30.10.2023  
Date of first issue: 30.05.2016

Chemical name	CAS-No. EC-No.  Index-No. Registration number	Classification	specific concentration limit M-Factor Notes Acute toxicity estimate	Concentration (% w/w)
Kaolin, calcined	92704-41-1 296-473-8	Eye Irrit.2; H319 STOT SE3; H335; EUH066		$\geq 1 - < 10$
copper	7440-50-8 231-159-6  029-019-01-X 01-2119480154-42- XXXX	Acute Tox.4; H302 Eye Irrit.2; H319 Aquatic Acute1; H400 Aquatic Chronic1; H410	M-Factor: 10/10  ATE (Oral): 500 mg/kg; ATE (Inhalation): 0,733 mg/l;	$\geq 1 - < 2,5$
2,5-bis(tert-nonyldithio)-1,3,4-thiadiazole	89347-09-1 289-493-3	Aquatic Chronic3; H412		$\geq 1 - < 2,5$
Substances with a workplace exposure limit :				
Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil — unspecified	64742-54-7 265-157-1  649-467-00-8 01-2119484627-25- XXXX	Not classified	Note L	$\geq 30 - < 50$
Distillates (petroleum), solvent-dewaxed heavy paraffinic; Baseoil — unspecified	64742-65-0 265-169-7  649-474-00-6 01-2119471299-27- XXXX	Not classified	Note L	$\geq 30 - < 50$

For explanation of abbreviations see section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - HU  
(Commission Regulation (EU) 2020/878)



## OKS 245

Version	Revision Date:	Date of last issue: 13.10.2022	Print Date:
3.0	30.10.2023	Date of first issue: 30.05.2016	30.10.2023

- 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 : Remove contaminated clothing. If irritation develops, get medical attention.  
Wash off with soap and water.  
Wash clothing before reuse.  
Thoroughly clean shoes before reuse.
- 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 : No symptoms known or expected.

### 4.3 Indication of any immediate medical attention and special treatment needed

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## SECTION 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

Hazardous combustion products : Carbon oxides  
Nitrogen oxides (NOx)  
Sulphur oxides  
Metal oxides

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - HU  
(Commission Regulation (EU) 2020/878)



## OKS 245

Version	Revision Date:	Date of last issue: 13.10.2022	Print Date:
3.0	30.10.2023	Date of first issue: 30.05.2016	30.10.2023

### 5.3 Advice for firefighters

- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment. Exposure to decomposition products may be a hazard to health.
- Further information : Standard procedure for chemical fires. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

- Personal precautions : Evacuate personnel to safe areas. Ensure adequate ventilation. Do not breathe vapours, aerosols. Refer to protective measures listed in sections 7 and 8.

### 6.2 Environmental precautions

- Environmental precautions : Do not allow contact with soil, surface or ground water. If the product contaminates rivers and lakes or drains inform respective authorities.

### 6.3 Methods and material for containment and cleaning up

- Methods for cleaning up : Pick up and transfer to properly labelled containers.

### 6.4 Reference to other sections

For personal protection see section 8.

## SECTION 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. 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 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.
- Hygiene measures : Wash face, hands and any exposed skin thoroughly after

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - HU  
(Commission Regulation (EU) 2020/878)



## OKS 245

Version	Revision Date:	Date of last issue: 13.10.2022	Print Date:
3.0	30.10.2023	Date of first issue: 30.05.2016	30.10.2023

handling.

### 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.

### 7.3 Specific end use(s)

Specific use(s) : Specific instructions for handling, not required.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil — unspecified	64742-54-7	TWAMean concentration (Mist)	5 mg/m <sup>3</sup>	HU OEL (2021-07-26)
	Further information: Limit value recommended in SCOEL/SUM/163/2011, Substances which have a health hazard after PROLONGED exposure. Corrected value = $TWA \times 40 / \text{number of hours per week}$			
Distillates (petroleum), solvent-dewaxed heavy paraffinic; Baseoil — unspecified	64742-65-0	TWAMean concentration (Mist)	5 mg/m <sup>3</sup>	HU OEL (2021-07-26)
	Further information: Limit value recommended in SCOEL/SUM/163/2011, Substances which have a health hazard after PROLONGED exposure. Corrected value = $TWA \times 40 / \text{number of hours per week}$			
copper	7440-50-8	TWAMean concentration (respirable fume)	0,01 mg/m <sup>3</sup> (Copper)	HU OEL (2021-07-26)
	Further information: Substances which have a health hazard due to SHORT exposure. Corrected value = $TWA \times 8 / \text{number of hours per day}$			

#### Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Exposure routes	Potential health effects	Value
Distillates	Workers	Inhalation	Long-term local	5,58 mg/m <sup>3</sup>

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - HU  
(Commission Regulation (EU) 2020/878)



## OKS 245

Version 3.0      Revision Date: 30.10.2023      Date of last issue: 13.10.2022      Print Date: 30.10.2023  
Date of first issue: 30.05.2016

(petroleum), hydrotreated heavy paraffinic; Baseoil — unspecified			effects	
	Workers	Inhalation	Long-term systemic effects	2,73 mg/m <sup>3</sup>
	Workers	Skin contact	Long-term systemic effects	0,97 mg/kg
Distillates (petroleum), solvent-dewaxed heavy paraffinic; Baseoil — unspecified	Workers	Inhalation	Long-term systemic effects	2,73 mg/m <sup>3</sup>
	Workers	Skin contact	Long-term systemic effects	0,97 mg/kg

### Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Substance name	Environmental Compartment	Value
Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil — unspecified	Oral	9,33 mg/kg
Distillates (petroleum), solvent-dewaxed heavy paraffinic; Baseoil — unspecified	Oral	9,33 mg/kg

## 8.2 Exposure controls

### Engineering measures

none

### Personal protective equipment

Eye/face protection : Safety glasses

### Hand protection

Material : Nitrile rubber

Break through time : > 10 min

Protective index : Class 1

Remarks : For prolonged or repeated contact use protective gloves. 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.  
The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it.

Skin and body protection : Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - HU  
(Commission Regulation (EU) 2020/878)



## OKS 245

Version	Revision Date:	Date of last issue: 13.10.2022	Print Date:
3.0	30.10.2023	Date of first issue: 30.05.2016	30.10.2023

- Respiratory protection : Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.
- Filter type : Filter type A-P
- Protective measures : The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- Physical state : paste
- Colour : red brown
- Odour : characteristic
- Odour Threshold : No data available
- : Not applicable
- : Not applicable
- Flammability (solid, gas) : Combustible Solids
- Upper explosion limit / Upper flammability limit : No data available
- Lower explosion limit / Lower flammability limit : No data available
- Flash point : Not applicable
- Auto-ignition temperature : No data available
- Decomposition temperature : No data available
- pH : Not applicable  
substance/mixture is non-soluble (in water)
- Viscosity  
Viscosity, dynamic : No data available



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - HU  
(Commission Regulation (EU) 2020/878)



## OKS 245

Version	Revision Date:	Date of last issue: 13.10.2022	Print Date:
3.0	30.10.2023	Date of first issue: 30.05.2016	30.10.2023

Viscosity, kinematic : Not applicable

Solubility(ies)  
Water solubility : insoluble

Solubility in other solvents : No data available

Partition coefficient: n-octanol/water : No data available

Vapour pressure : < 0,001 hPa (20 °C)

Relative density : 0,95 (20 °C)  
Reference substance: Water  
The value is calculated

Density : 0,95 g/cm<sup>3</sup>  
(20 °C)

Bulk density : No data available

Relative vapour density : No data available

Particle characteristics  
Particle size : Not applicable

Particle Size Distribution : Not applicable

### 9.2 Other information

Explosives : Not explosive

Oxidizing properties : No data available

Self-ignition : not auto-flammable

Metal corrosion rate : Not corrosive to metals

Evaporation rate : No data available

Sublimation point : No data available

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No hazards to be specially mentioned.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - HU  
(Commission Regulation (EU) 2020/878)



## OKS 245

Version	Revision Date:	Date of last issue: 13.10.2022	Print Date:
3.0	30.10.2023	Date of first issue: 30.05.2016	30.10.2023

### 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

No decomposition if stored and applied as directed.

## SECTION 11: Toxicological information

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute toxicity

##### Product:

Acute oral toxicity : Acute toxicity estimate: > 2.000 mg/kg  
Method: Calculation method

Acute inhalation toxicity : Remarks: This information is not available.

##### Components:

##### **Kaolin, calcined:**

Acute inhalation toxicity : Assessment: The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with respiratory tract irritation.

##### **copper:**

Acute oral toxicity : Acute toxicity estimate: 500 mg/kg  
Method: Acute toxicity estimate according to Regulation (EC) No. 1272/2008

LD50 Oral (Rat): > 300 - 2.000 mg/kg  
Assessment: The component/mixture is moderately toxic after single ingestion.

Acute inhalation toxicity : Acute toxicity estimate: 0,733 mg/l  
Test atmosphere: dust/mist  
Method: Acute toxicity estimate according to Regulation (EC)

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - HU  
(Commission Regulation (EU) 2020/878)



## OKS 245

Version	Revision Date:	Date of last issue: 13.10.2022	Print Date:
3.0	30.10.2023	Date of first issue: 30.05.2016	30.10.2023

No. 1272/2008

Acute dermal toxicity : LD50 (Rat, male and female): > 2.000 mg/kg  
Assessment: The substance or mixture has no acute dermal toxicity

### **2,5-bis(tert-nonyldithio)-1,3,4-thiadiazole:**

Acute oral toxicity : LD50 (Rat): > 10.000 mg/kg  
Acute dermal toxicity : LD50 (Rabbit): > 2.000 mg/kg

### **Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil — unspecified:**

Acute oral toxicity : LD50 (Rat): > 5.000 mg/kg  
Method: OECD Test Guideline 401  
GLP: yes

Acute inhalation toxicity : LC50 (Rat): > 5,53 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: OECD Test Guideline 403  
Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity : LD50 (Rabbit): > 5.000 mg/kg  
Method: OECD Test Guideline 402

### **Distillates (petroleum), solvent-dewaxed heavy paraffinic; Baseoil — unspecified:**

Acute oral toxicity : LD50 (Rat): > 5.000 mg/kg  
Method: OECD Test Guideline 401

Acute dermal toxicity : LD50 (Rabbit): > 5.000 mg/kg  
Method: OECD Test Guideline 402

### **Skin corrosion/irritation**

#### **Product:**

Remarks : This information is not available.

#### **Components:**

##### **Kaolin, calcined:**

Result : Repeated exposure may cause skin dryness or cracking.

### **Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil — unspecified:**

Species : Rabbit  
Assessment : No skin irritation  
Method : OECD Test Guideline 404

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - HU  
(Commission Regulation (EU) 2020/878)



## OKS 245

Version	Revision Date:	Date of last issue: 13.10.2022	Print Date:
3.0	30.10.2023	Date of first issue: 30.05.2016	30.10.2023

Result : No skin irritation  
GLP : yes

### Distillates (petroleum), solvent-dewaxed heavy paraffinic; Baseoil — unspecified:

Species : Rabbit  
Assessment : No skin irritation  
Method : OECD Test Guideline 404  
Result : No skin irritation  
GLP : yes

### Serious eye damage/eye irritation

#### Product:

Remarks : This information is not available.

#### Components:

##### **Kaolin, calcined:**

Result : Irritating to eyes.

##### **copper:**

Result : Eye irritation

### Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil — unspecified:

Species : Rabbit  
Assessment : No eye irritation  
Method : OECD Test Guideline 405  
Result : No eye irritation  
GLP : yes

### Distillates (petroleum), solvent-dewaxed heavy paraffinic; Baseoil — unspecified:

Species : Rabbit  
Assessment : No eye irritation  
Method : OECD Test Guideline 405  
Result : No eye irritation  
GLP : yes

### Respiratory or skin sensitisation

#### Product:

Remarks : This information is not available.

#### Components:

### Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil — unspecified:

Species : Guinea pig

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - HU  
(Commission Regulation (EU) 2020/878)



## OKS 245

Version	Revision Date:	Date of last issue: 13.10.2022	Print Date:
3.0	30.10.2023	Date of first issue: 30.05.2016	30.10.2023

Assessment : Does not cause skin sensitisation.  
Method : OECD Test Guideline 406  
Result : Does not cause skin sensitisation.  
GLP : yes

### Distillates (petroleum), solvent-dewaxed heavy paraffinic; Baseoil — unspecified:

Species : Guinea pig  
Assessment : Does not cause skin sensitisation.  
Method : OECD Test Guideline 406  
Result : Does not cause skin sensitisation.  
GLP : yes

### Germ cell mutagenicity

#### Product:

Genotoxicity in vitro : Remarks: No data available  
Genotoxicity in vivo : Remarks: No data available

#### Components:

### Distillates (petroleum), solvent-dewaxed heavy paraffinic; Baseoil — unspecified:

Genotoxicity in vitro : Test system: Salmonella typhimurium  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 471  
Result: negative  
Genotoxicity in vivo : Species: Mouse  
Application Route: Oral  
Method: OECD Test Guideline 474  
Result: negative

### Carcinogenicity

#### Product:

Remarks : No data available

#### Components:

### Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil — unspecified:

Carcinogenicity - Assessment : Not classifiable as a human carcinogen.

### Distillates (petroleum), solvent-dewaxed heavy paraffinic; Baseoil — unspecified:

Species : Mouse

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - HU  
(Commission Regulation (EU) 2020/878)



## OKS 245

Version	Revision Date:	Date of last issue: 13.10.2022	Print Date:
3.0	30.10.2023	Date of first issue: 30.05.2016	30.10.2023

Application Route : Dermal  
Method : OECD Test Guideline 451  
Result : negative

### Reproductive toxicity

#### Product:

Effects on fertility : Remarks: No data available

Effects on foetal development : Remarks: No data available

#### Components:

##### **Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil — unspecified:**

Reproductive toxicity - Assessment : - Fertility -  
No toxicity to reproduction

##### **Distillates (petroleum), solvent-dewaxed heavy paraffinic; Baseoil — unspecified:**

Effects on foetal development : Species: Rat  
Application Route: Dermal  
General Toxicity Maternal: NOAEL: 30 mg/kg body weight  
Developmental Toxicity: NOAEL: 30 mg/kg body weight  
Method: OECD Test Guideline 414

### STOT - single exposure

#### Product:

Remarks : No data available

#### Components:

##### **Kaolin, calcined:**

Exposure routes : Inhalation  
Assessment : The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with respiratory tract irritation.

### STOT - repeated exposure

#### Product:

Remarks : No data available

### Repeated dose toxicity

#### Product:

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - HU  
(Commission Regulation (EU) 2020/878)



## OKS 245

Version	Revision Date:	Date of last issue: 13.10.2022	Print Date:
3.0	30.10.2023	Date of first issue: 30.05.2016	30.10.2023

Remarks : This information is not available.

### Aspiration toxicity

#### Product:

This information is not available.

#### Components:

##### **Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil — unspecified:**

No aspiration toxicity classification

##### **Distillates (petroleum), solvent-dewaxed heavy paraffinic; Baseoil — unspecified:**

No aspiration toxicity classification

## 11.2 Information on other hazards

### Endocrine disrupting properties

#### Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### Further information

#### Product:

Remarks : Information given is based on data on the components and the toxicology of similar products.

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Product:

Toxicity to fish : Remarks: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Toxicity to daphnia and other aquatic invertebrates : Remarks: No data available

Toxicity to algae/aquatic plants : Remarks: No data available

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - HU  
(Commission Regulation (EU) 2020/878)



## OKS 245

Version	Revision Date:	Date of last issue: 13.10.2022	Print Date:
3.0	30.10.2023	Date of first issue: 30.05.2016	30.10.2023

Toxicity to microorganisms :  
Remarks: No data available

### Components:

#### **copper:**

M-Factor (Acute aquatic toxicity) : 10

M-Factor (Chronic aquatic toxicity) : 10

### **Ecotoxicology Assessment**

Acute aquatic toxicity : Very toxic to aquatic life.

Chronic aquatic toxicity : Very toxic to aquatic life with long lasting effects.

### **2,5-bis(tert-nonyldithio)-1,3,4-thiadiazole:**

Toxicity to fish : LC50 (Fish): > 10 - 100 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : (Daphnia magna (Water flea)): > 10 - 100 mg/l  
Exposure time: 48 h

Toxicity to algae/aquatic plants : EC50 : > 10 - 100 mg/l  
Exposure time: 72 h

### **Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil — unspecified:**

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): > 100 mg/l  
Exposure time: 96 h  
Test Type: static test  
Method: OECD Test Guideline 203  
GLP: yes

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 10.000 mg/l  
Exposure time: 48 h  
Test Type: Immobilization  
Method: OECD Test Guideline 202  
GLP: yes

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 10 mg/l  
Exposure time: 21 d  
Species: Daphnia magna (Water flea)  
Test Type: semi-static test  
Method: OECD Test Guideline 211  
GLP: yes



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - HU  
(Commission Regulation (EU) 2020/878)



## OKS 245

Version	Revision Date:	Date of last issue: 13.10.2022	Print Date:
3.0	30.10.2023	Date of first issue: 30.05.2016	30.10.2023

### **Distillates (petroleum), solvent-dewaxed heavy paraffinic; Baseoil — unspecified:**

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): > 100 mg/l  
Exposure time: 96 h  
Test Type: static test  
Method: OECD Test Guideline 203  
GLP: yes

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): > 10.000 mg/l  
aquatic invertebrates  
Exposure time: 48 h  
Test Type: static test  
Method: OECD Test Guideline 202

Toxicity to algae/aquatic : NOEC (Pseudokirchneriella subcapitata (green algae)): > 100  
plants  
mg/l  
Exposure time: 72 h  
Test Type: static test  
Method: OECD Test Guideline 201

Toxicity to daphnia and other : NOEC: 10 mg/l  
aquatic invertebrates  
(Chronic toxicity)  
Exposure time: 21 d  
Species: Daphnia magna (Water flea)

## 12.2 Persistence and degradability

### **Product:**

Biodegradability : Remarks: No data available

Physico-chemical : Remarks: No data available  
removability

### **Components:**

#### **copper:**

Biodegradability : Result: Not rapidly biodegradable

#### **2,5-bis(tert-nonyldithio)-1,3,4-thiadiazole:**

Biodegradability : Result: Not readily biodegradable.

### **Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil — unspecified:**

Biodegradability : Test Type: aerobic  
Inoculum: activated sludge  
Result: Not rapidly biodegradable  
Biodegradation: 3 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301B  
GLP: yes

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - HU  
(Commission Regulation (EU) 2020/878)



## OKS 245

Version	Revision Date:	Date of last issue: 13.10.2022	Print Date:
3.0	30.10.2023	Date of first issue: 30.05.2016	30.10.2023

### **Distillates (petroleum), solvent-dewaxed heavy paraffinic; Baseoil — unspecified:**

Biodegradability : Test Type: aerobic  
Inoculum: activated sludge  
Result: Not rapidly biodegradable  
Biodegradation: 31 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301B  
GLP: yes

### 12.3 Bioaccumulative potential

#### **Product:**

Bioaccumulation : Remarks: 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).

#### **Components:**

### **Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil — unspecified:**

Partition coefficient: n-octanol/water : log Pow: > 2

### 12.4 Mobility in soil

#### **Product:**

Mobility : Remarks: No data available

Distribution among environmental compartments : Remarks: No data available

### 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.

#### **Components:**

### **Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil — unspecified:**

Assessment : Non-classified vPvB substance. Non-classified PBT substance

### 12.6 Endocrine disrupting properties

#### **Product:**

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - HU  
(Commission Regulation (EU) 2020/878)



## OKS 245

Version	Revision Date:	Date of last issue: 13.10.2022	Print Date:
3.0	30.10.2023	Date of first issue: 30.05.2016	30.10.2023

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### 12.7 Other adverse effects

#### Product:

Additional ecological information : Toxic to aquatic life with long lasting effects.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : The product should not be allowed to enter drains, water courses or the soil.  
Do not dispose of with domestic refuse.  
Dispose of as hazardous waste in compliance with local and national regulations.

Waste codes should be assigned by the user based on the application for which the product was used.

Contaminated packaging : Packaging that is not properly emptied must be disposed of as the unused product.  
Dispose of waste product or used containers according to local regulations.

The following Waste Codes are only suggestions:

Waste Code : used product, unused product  
12 01 12\*, spent waxes and fats  
  
uncleaned packagings  
15 01 10\*, packaging containing residues of or contaminated by hazardous substances

## SECTION 14: Transport information

### 14.1 UN number or ID number

ADN : UN 3077  
ADR : UN 3077

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - HU  
(Commission Regulation (EU) 2020/878)



## OKS 245

Version	Revision Date:	Date of last issue: 13.10.2022	Print Date:
3.0	30.10.2023	Date of first issue: 30.05.2016	30.10.2023

**RID** : UN 3077  
**IMDG** : UN 3077  
**IATA** : UN 3077

### 14.2 UN proper shipping name

**ADN** : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID,  
N.O.S.  
(copper)  
**ADR** : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID,  
N.O.S.  
(copper)  
**RID** : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID,  
N.O.S.  
**IMDG** : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID,  
N.O.S.  
(copper)  
**IATA** : Environmentally hazardous substance, solid, n.o.s.  
(copper)

### 14.3 Transport hazard class(es)

**ADN** : 9  
**ADR** : 9  
**RID** : 9  
**IMDG** : 9  
**IATA** : 9

### 14.4 Packing group

**ADN**  
Packing group : III  
Classification Code : M7  
Hazard Identification Number : 90  
Labels : 9  
**ADR**  
Packing group : III  
Classification Code : M7  
Hazard Identification Number : 90  
Labels : 9  
Tunnel restriction code : (-)  
**RID**  
Packing group : III  
Classification Code : M7  
Hazard Identification Number : 90  
Labels : 9

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - HU  
(Commission Regulation (EU) 2020/878)



## OKS 245

Version	Revision Date:	Date of last issue: 13.10.2022	Print Date:
3.0	30.10.2023	Date of first issue: 30.05.2016	30.10.2023

### IMDG

Packing group : III  
Labels : 9  
EmS Code : F-A, S-F

### IATA (Cargo)

Packing instruction (cargo aircraft) : 956  
Packing instruction (LQ) : Y956  
Packing group : III  
Labels : Miscellaneous Dangerous Goods

### IATA (Passenger)

Packing instruction (passenger aircraft) : 956  
Packing instruction (LQ) : Y956  
Packing group : III  
Labels : Miscellaneous Dangerous Goods

## 14.5 Environmental hazards

### ADN

Environmentally hazardous : yes

### ADR

Environmentally hazardous : yes

### RID

Environmentally hazardous : yes

### IMDG

Marine pollutant : yes

## 14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

## 14.7 Maritime transport in bulk according to IMO instruments

Remarks : Not applicable for product as supplied.

## SECTION 15: Regulatory information

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

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII) : Conditions of restriction for the following entries should be considered:  
Number on list 75  
copper (Number on list 75)

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - HU  
(Commission Regulation (EU) 2020/878)



## OKS 245

Version	Revision Date:	Date of last issue: 13.10.2022	Print Date:
3.0	30.10.2023	Date of first issue: 30.05.2016	30.10.2023

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

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer (EC 1005/2009) : Not applicable

Regulation (EU) 2019/1021 on persistent organic pollutants (recast) (EU POP) : Not applicable

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals (EU PIC) : Not applicable

Regulation (EU) 2019/1148 on the marketing and use of explosives precursors : Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. E2 ENVIRONMENTAL HAZARDS

34 Petroleum products: (a) gasolines and naphthas, (b) kerosenes (including jet fuels), (c) gas oils (including diesel fuels, home heating oils and gas oil blending streams), (d) heavy fuel oils (e) alternative fuels serving the same purposes and with similar properties as regards flammability and environmental hazards as the products referred to in points (a) to (d)

Volatile organic compounds : Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control)  
Not applicable

### Other regulations:

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - HU  
(Commission Regulation (EU) 2020/878)



## OKS 245

Version	Revision Date:	Date of last issue: 13.10.2022	Print Date:
3.0	30.10.2023	Date of first issue: 30.05.2016	30.10.2023

2000 XXV. Law on chemical safety  
44/2000. (XII 27) Ministry of health dangerous substances and preparations dangerous for  
certain procedures and arrangements for activities

### 15.2 Chemical safety assessment

This information is not available.

## SECTION 16: Other information

### Full text of H-Statements

EUH066 : Repeated exposure may cause skin dryness or cracking.  
H302 : Harmful if swallowed.  
H319 : Causes serious eye irritation.  
H335 : May cause respiratory irritation.  
H400 : Very toxic to aquatic life.  
H410 : Very toxic to aquatic life with long lasting effects.  
H412 : Harmful to aquatic life with long lasting effects.  
EUH066 : Repeated exposure may cause skin dryness or cracking.

### Full text of other abbreviations

Note L : The harmonised classification as a carcinogen applies unless it can be shown that the substance contains less than 3 % of dimethyl sulphoxide extract as measured by IP 346 ("Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions - Dimethyl sulphoxide extraction refractive index method" Institute of Petroleum, London), in which case a classification in accordance with Title II of this Regulation shall be performed also for that hazard class.

HU OEL : Hungary. Occupational Exposure Limits - Annex 1: Permissible concentration values

HU OEL / TWA : Mean concentration

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - 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; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx -

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - HU  
(Commission Regulation (EU) 2020/878)



## OKS 245

Version	Revision Date:	Date of last issue: 13.10.2022	Print Date:
3.0	30.10.2023	Date of first issue: 30.05.2016	30.10.2023

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; TECI - 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

### Further information

#### Classification of the mixture:

Aquatic Chronic 2

H411

#### Classification procedure:

Calculation method

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