

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878 - DE



## OKS 472

Version 2.8	Revision Date: 10.10.2024	Date of last issue: 02.01.2024 Date of first issue: 13.06.2016	Print Date: 10.10.2024
----------------	------------------------------	---	---------------------------

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

### 1.1 Product identifier

Product name : OKS 472

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

Use of the Substance/Mixture : Grease

Recommended restrictions on use : Restricted to professional users.

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

Company : OKS Spezialschmierstoffe GmbH  
Ganghoferstr. 47  
82216 Maisach-Gernlinden  
Deutschland  
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

National contact :

### 1.4 Emergency telephone number

Emergency telephone number : +49 8142 3051 517

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

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

Long-term (chronic) aquatic hazard, Category 3 H412: Harmful to aquatic life with long lasting effects.

### 2.2 Label elements

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

Hazard statements : H412 Harmful to aquatic life with long lasting

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878 - DE



## OKS 472

Version	Revision Date:	Date of last issue: 02.01.2024	Print Date:
2.8	10.10.2024	Date of first issue: 13.06.2016	10.10.2024

effects.

Precautionary statements : **Prevention:**  
P273 Avoid release to the environment.

### 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 : Synthetic hydrocarbon oil  
ester oil  
aluminium complex soap  
Mineral oil.

#### Components

Chemical name	CAS-No. EC-No.  Index-No. Registration number	Classification	specific concentration limit M-Factor Notes Acute toxicity estimate	Concentration (% w/w)
White mineral oil (petroleum)	8042-47-5 232-455-8  01-2119487078-27- XXXX	Asp. Tox.1; H304		>= 1 - < 10
disodium sebacate	17265-14-4 241-300-3  01-2120762063-61-	Eye Irrit.2; H319		>= 1 - < 10

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878 - DE



## OKS 472

Version 2.8      Revision Date: 10.10.2024      Date of last issue: 02.01.2024      Print Date: 10.10.2024  
Date of first issue: 13.06.2016

	XXXX			
N-methyl-N-[C18-(unsaturated)alkanoyl]glycine	701-177-3  01-2119488991-20-XXXX	Acute Tox.4; H332 Skin Irrit.2; H315 Eye Dam.1; H318 Aquatic Acute1; H400 Aquatic Chronic3; H412	M-Factor: 1/  ATE ATE (Inhalation): 1,37 mg/l;	$\geq 0,25 - < 1$
2,6-di-tert-butyl-p-cresol	128-37-0 204-881-4  01-2119555270-46-XXXX	Aquatic Acute1; H400 Aquatic Chronic1; H410	M-Factor: 1/1	$\geq 0,25 - < 1$
Substances with a workplace exposure limit :				
Dec-1-ene, homopolymer, hydrogenated	68037-01-4 500-183-1  01-2119486452-34-XXXX	Not classified		$\geq 70 - < 90$
White mineral oil (petroleum)	8042-47-5 232-455-8  01-2119487078-27-XXXX	Not classified		$\geq 1 - < 10$

For explanation of abbreviations see section 16.

## SECTION 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 : Remove contaminated clothing. If irritation develops, get medical attention.  
Wash off with soap and water.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878 - DE



## OKS 472

Version 2.8	Revision Date: 10.10.2024	Date of last issue: 02.01.2024 Date of first issue: 13.06.2016	Print Date: 10.10.2024
----------------	------------------------------	---	---------------------------

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.

Risks : None known.

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

Treatment : Treat symptomatically.

---

## 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  
Oxides of phosphorus  
Metal oxides

### 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.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878 - DE



## OKS 472

Version	Revision Date:	Date of last issue: 02.01.2024	Print Date:
2.8	10.10.2024	Date of first issue: 13.06.2016	10.10.2024

## 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  
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.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878 - DE



## OKS 472

Version 2.8      Revision Date: 10.10.2024      Date of last issue: 02.01.2024      Print Date: 10.10.2024  
Date of first issue: 13.06.2016

Storage class (TRGS 510) : 11, Combustible Solids

### 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
Dec-1-ene, homopolymer, hydrogenated	68037-01-4	AGW (Alveolate fraction)	5 mg/m <sup>3</sup>	DE TRGS 900 (2012-01-12)
		Peak-limit: excursion factor (category): 4;(II)		
		Further information: When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child		
		MAK (measured as the alveolate fraction)	5 mg/m <sup>3</sup>	DE DFG MAK (2023-07-01)
		Further information: Damage to the embryo or foetus is unlikely when the MAK value or the BAT value is observed		
White mineral oil (petroleum)	8042-47-5	MAK (measured as the alveolate fraction)	5 mg/m <sup>3</sup>	DE DFG MAK (2023-07-01)
		Further information: Damage to the embryo or foetus is unlikely when the MAK value or the BAT value is observed		
		AGW (Alveolate fraction)	5 mg/m <sup>3</sup>	DE TRGS 900 (2015-11-06)
		Peak-limit: excursion factor (category): 4;(II)		
		Further information: When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child		
White mineral oil (petroleum)	8042-47-5	MAK (measured as the alveolate fraction)	5 mg/m <sup>3</sup>	DE DFG MAK (2023-07-01)
		Further information: Damage to the embryo or foetus is unlikely when the MAK value or the BAT value is observed		
		AGW (Alveolate fraction)	5 mg/m <sup>3</sup>	DE TRGS 900 (2015-11-06)
		Peak-limit: excursion factor (category): 4;(II)		
		Further information: When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child		

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878 - DE



## OKS 472

Version 2.8      Revision Date: 10.10.2024      Date of last issue: 02.01.2024      Print Date: 10.10.2024  
Date of first issue: 13.06.2016

N-methyl-N-[C18-(unsaturated)alkanoyl]glycine	Not Assigned	MAK (inhalable fraction)	0,05 mg/m <sup>3</sup>	DE DFG MAK (2023-07-01)
Further information: Either there are no data for an assessment of damage to the embryo or foetus, including developmental neurotoxicity, or the currently available data are not sufficient for classification in one of the groups A - C				
		AGW (Inhalable fraction)	0,05 mg/m <sup>3</sup>	DE TRGS 900 (2019-03-29)
Peak-limit: excursion factor (category): 2;(II)				
2,6-di-tert-butyl-p-cresol	128-37-0	MAK (inhalable fraction)	10 mg/m <sup>3</sup>	DE DFG MAK (2023-07-01)
Further information: Substances that cause cancer in humans or animals or that are considered to be carcinogenic for humans and for which a MAK value can be derived., Damage to the embryo or foetus is unlikely when the MAK value or the BAT value is observed				
		AGW (Vapour and aerosols, inhalable fraction)	10 mg/m <sup>3</sup>	DE TRGS 900 (2012-09-13)
Peak-limit: excursion factor (category): 4;(II)				
Further information: When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child				

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

Substance name	End Use	Exposure routes	Potential health effects	Value
White mineral oil (petroleum)	Workers	Inhalation	Long-term systemic effects	164,56 mg/m <sup>3</sup>
	Workers	Skin contact	Long-term systemic effects	217,05 mg/kg
White mineral oil (petroleum)	Workers	Inhalation	Long-term systemic effects	164,56 mg/m <sup>3</sup>
	Workers	Dermal	Long-term systemic effects	217,05 mg/kg bw/day
disodium sebacate	Workers	Skin contact	Long-term systemic effects	10 mg/kg
	Workers	Inhalation	Long-term systemic effects	35,26 mg/m <sup>3</sup>
N-methyl-N-[C18-(unsaturated)alkanoyl]glycine	Workers	Inhalation	Long-term systemic effects	0,8 mg/m <sup>3</sup>
	Workers	Skin contact	Long-term systemic effects	4,2 mg/kg bw/day
2,6-di-tert-butyl-p-cresol	Workers	Inhalation	Long-term systemic effects	1,76 mg/m <sup>3</sup>
	Workers	Skin contact	Long-term systemic effects	0,5 mg/kg

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

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878 - DE



## OKS 472

Version 2.8      Revision Date: 10.10.2024      Date of last issue: 02.01.2024      Print Date: 10.10.2024  
Date of first issue: 13.06.2016

Substance name	Environmental Compartment	Value
isopropyl oleate	Fresh water sediment	2,978 mg/kg
	Marine sediment	2,978 mg/kg
Aluminum, benzoate C16-18-fatty acids complexes	Fresh water	0,1 mg/l
	Marine water	0,01 mg/l
disodium sebacate	Fresh water	0,018 mg/l
	Marine water	0,002 mg/l
	Sewage treatment plant	10 mg/l
	Fresh water sediment	0,548 mg/kg
	Marine sediment	0,055 mg/kg
	Soil	0,099 mg/kg
	N-methyl-N-[C18-(unsaturated)alkanoyl]glycine	Fresh water
	Marine water	0,00043 mg/l
	Microbiological Activity in Sewage Treatment Systems	1 mg/l
2,6-di-tert-butyl-p-cresol	Fresh water sediment	0,057 mg/kg
	Marine sediment	0,006 mg/kg
	Soil	1,71 mg/kg
	Fresh water	0,199 µg/l
	Marine water	0,02 µg/l
	Intermittent use/release	1,99 µg/l
	Microbiological Activity in Sewage Treatment Systems	0,017 mg/l
	Fresh water sediment	0,458 mg/kg
	Marine sediment	0,046 mg/kg
	Soil	0,054 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.



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878 - DE



## OKS 472

Version	Revision Date:	Date of last issue: 02.01.2024	Print Date:
2.8	10.10.2024	Date of first issue: 13.06.2016	10.10.2024

- 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.
- Respiratory protection : Not required; except in case of aerosol formation.
- Filter type : Filter type 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 : white
- Odour : characteristic
- Odour Threshold : No data available
- Melting point/range : No data available
- Boiling point/boiling range : No data available
- 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
- Viscosity

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878 - DE



## OKS 472

Version 2.8	Revision Date: 10.10.2024	Date of last issue: 02.01.2024 Date of first issue: 13.06.2016	Print Date: 10.10.2024
----------------	------------------------------	---	---------------------------

Viscosity, dynamic	:	No data available
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	:	0,9 (20 °C) Reference substance: Water The value is calculated
Density	:	0,90 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	:	No data available
Evaporation rate	:	No data available
Sublimation point	:	No data available

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No hazards to be specially mentioned.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878 - DE



## OKS 472

Version	Revision Date:	Date of last issue: 02.01.2024	Print Date:
2.8	10.10.2024	Date of first issue: 13.06.2016	10.10.2024

### 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 : Remarks: This information is not available.

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

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

##### Components:

#### **White mineral oil (petroleum):**

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

Acute inhalation toxicity : LC50 (Rat): > 5 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): > 2.000 mg/kg  
Method: OECD Test Guideline 402  
Assessment: The substance or mixture has no acute dermal toxicity

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878 - DE



## OKS 472

Version 2.8	Revision Date: 10.10.2024	Date of last issue: 02.01.2024 Date of first issue: 13.06.2016	Print Date: 10.10.2024
----------------	------------------------------	---	---------------------------

### disodium sebacate:

Acute oral toxicity : LD50 (Rat): > 5.000 mg/kg  
Method: OECD Test Guideline 401  
GLP: no

Acute dermal toxicity : LD50 (Rabbit): > 2.000 mg/kg  
Method: OECD Test Guideline 402  
GLP: yes  
Assessment: The substance or mixture has no acute dermal toxicity

### N-methyl-N-[C18-(unsaturated)alkanoyl]glycine:

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

Acute inhalation toxicity : LC50 (Rat, male and female): 1,37 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: OECD Test Guideline 403

Acute toxicity estimate: 1,37 mg/l  
Test atmosphere: dust/mist  
Method: ATE value derived from LD50/LC50 value

### 2,6-di-tert-butyl-p-cresol:

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

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

### Dec-1-ene, homopolymer, hydrogenated:

Acute oral toxicity : LD50 (Rat): > 5.000 mg/kg

Acute inhalation toxicity : LC50 (Rat, male and female): 5,2 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour  
Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity : LD50 (Rabbit): > 2.000 mg/kg  
Method: OECD Test Guideline 402  
GLP: yes  
Assessment: The substance or mixture has no acute dermal toxicity

### White mineral oil (petroleum):

Acute oral toxicity : LD50 (Rat): > 5.000 mg/kg

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878 - DE



## OKS 472

Version	Revision Date:	Date of last issue: 02.01.2024	Print Date:
2.8	10.10.2024	Date of first issue: 13.06.2016	10.10.2024

Method: OECD Test Guideline 401  
GLP: yes

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

Acute dermal toxicity : LD50 (Rabbit): > 2.000 mg/kg  
Method: OECD Test Guideline 402  
GLP: yes  
Assessment: The substance or mixture has no acute dermal toxicity

### Skin corrosion/irritation

#### Product:

Remarks : This information is not available.

#### Components:

##### **White mineral oil (petroleum):**

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

##### **disodium sebacate:**

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

##### **N-methyl-N-[C18-(unsaturated)alkanoyl]glycine:**

Species : Rabbit  
Assessment : Irritating to skin.  
Result : Irritating to skin.

##### **2,6-di-tert-butyl-p-cresol:**

Species : Rabbit  
Assessment : No skin irritation  
Result : No skin irritation

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878 - DE



## OKS 472

Version	Revision Date:	Date of last issue: 02.01.2024	Print Date:
2.8	10.10.2024	Date of first issue: 13.06.2016	10.10.2024

### Dec-1-ene, homopolymer, hydrogenated:

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

### White mineral oil (petroleum):

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:

### White mineral oil (petroleum):

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

### disodium sebacate:

Species : Rabbit  
Assessment : Irritating to eyes.  
Method : OECD Test Guideline 437  
Result : Irritating to eyes.  
GLP : yes

### N-methyl-N-[C18-(unsaturated)alkanoyl]glycine:

Species : Rabbit  
Assessment : Risk of serious damage to eyes.  
Result : Risk of serious damage to eyes.

### 2,6-di-tert-butyl-p-cresol:

Species : Rabbit  
Assessment : No eye irritation  
Method : Draize Test  
Result : No eye irritation

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878 - DE



## OKS 472

Version	Revision Date:	Date of last issue: 02.01.2024	Print Date:
2.8	10.10.2024	Date of first issue: 13.06.2016	10.10.2024

### Dec-1-ene, homopolymer, hydrogenated:

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

### White mineral oil (petroleum):

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:

##### White mineral oil (petroleum):

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

##### disodium sebacate:

Species : Guinea pig  
Assessment : Did not cause sensitisation on laboratory animals.  
Result : Did not cause sensitisation on laboratory animals.

##### N-methyl-N-[C18-(unsaturated)alkanoyl]glycine:

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

##### 2,6-di-tert-butyl-p-cresol:

Species : Humans  
Assessment : Does not cause skin sensitisation.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878 - DE



## OKS 472

Version	Revision Date:	Date of last issue: 02.01.2024	Print Date:
2.8	10.10.2024	Date of first issue: 13.06.2016	10.10.2024

Result : Does not cause skin sensitisation.

### **Dec-1-ene, homopolymer, hydrogenated:**

Test Type : Maximisation Test  
Species : Guinea pig  
Assessment : Did not cause sensitisation on laboratory animals.  
Method : OECD Test Guideline 406  
Result : Did not cause sensitisation on laboratory animals.  
GLP : yes

### **White mineral oil (petroleum):**

Test Type : Maximisation Test  
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:**

### **White mineral oil (petroleum):**

Germ cell mutagenicity-Assessment : Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

### **disodium sebacate:**

Germ cell mutagenicity-Assessment : Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

### **2,6-di-tert-butyl-p-cresol:**

Genotoxicity in vitro : Test Type: Ames test  
Result: negative  
Remarks: In vitro tests did not show mutagenic effects

Genotoxicity in vivo : Test Type: In vivo micronucleus test  
Result: negative

Germ cell mutagenicity-Assessment : Tests on bacterial or mammalian cell cultures did not show mutagenic effects.



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878 - DE



## OKS 472

Version	Revision Date:	Date of last issue: 02.01.2024	Print Date:
2.8	10.10.2024	Date of first issue: 13.06.2016	10.10.2024

---

### **Dec-1-ene, homopolymer, hydrogenated:**

Germ cell mutagenicity-  
Assessment : Animal testing did not show any mutagenic effects.

### **White mineral oil (petroleum):**

Genotoxicity in vitro : Test Type: Ames test  
Method: Mutagenicity (Salmonella typhimurium - reverse  
mutation assay)  
Result: negative  
GLP: yes

Germ cell mutagenicity-  
Assessment : Tests on bacterial or mammalian cell cultures did not show  
mutagenic effects.

### **Carcinogenicity**

#### **Product:**

Remarks : No data available

#### **Components:**

### **White mineral oil (petroleum):**

Carcinogenicity -  
Assessment : No evidence of carcinogenicity in animal studies.

### **Dec-1-ene, homopolymer, hydrogenated:**

Carcinogenicity -  
Assessment : Not classifiable as a human carcinogen.

### **White mineral oil (petroleum):**

Carcinogenicity -  
Assessment : No evidence of carcinogenicity in animal studies.

### **Reproductive toxicity**

#### **Product:**

Effects on fertility : Remarks: No data available

Effects on foetal  
development : Remarks: No data available

#### **Components:**

### **White mineral oil (petroleum):**

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878 - DE



## OKS 472

Version 2.8	Revision Date: 10.10.2024	Date of last issue: 02.01.2024 Date of first issue: 13.06.2016	Print Date: 10.10.2024
----------------	------------------------------	---	---------------------------

Reproductive toxicity -  
Assessment : - Fertility -  
No toxicity to reproduction  
- Teratogenicity -  
No effects on or via lactation

### **disodium sebacate:**

Reproductive toxicity -  
Assessment : - Fertility -  
No toxicity to reproduction  
- Teratogenicity -  
No effects on or via lactation

### **2,6-di-tert-butyl-p-cresol:**

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

### **Dec-1-ene, homopolymer, hydrogenated:**

Effects on fertility : Species: Rat  
Application Route: Oral  
Dose: 1000 milligram per kilogram  
Fertility: NOAEL Parent: 1.000 mg/kg body weight  
Method: OECD Test Guideline 415

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

### **White mineral oil (petroleum):**

Reproductive toxicity -  
Assessment : - Fertility -  
No toxicity to reproduction  
- Teratogenicity -  
No effects on or via lactation

### **STOT - single exposure**

#### **Product:**

Remarks : No data available

#### **Components:**

### **White mineral oil (petroleum):**

Assessment : The substance or mixture is not classified as specific target  
organ toxicant, single exposure.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878 - DE



## OKS 472

Version 2.8	Revision Date: 10.10.2024	Date of last issue: 02.01.2024 Date of first issue: 13.06.2016	Print Date: 10.10.2024
----------------	------------------------------	---	---------------------------

### **White mineral oil (petroleum):**

Assessment : The substance or mixture is not classified as specific target organ toxicant, single exposure.

### **STOT - repeated exposure**

#### **Product:**

Remarks : No data available

#### **Components:**

### **White mineral oil (petroleum):**

Assessment : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

### **White mineral oil (petroleum):**

Assessment : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

### **Repeated dose toxicity**

#### **Product:**

Remarks : This information is not available.

#### **Components:**

### **White mineral oil (petroleum):**

NOAEL : 1.800 mg/kg  
Exposure time : 90 d

### **Aspiration toxicity**

#### **Product:**

This information is not available.

#### **Components:**

### **White mineral oil (petroleum):**

May be fatal if swallowed and enters airways.

### **disodium sebacate:**

No aspiration toxicity classification

### **2,6-di-tert-butyl-p-cresol:**

No aspiration toxicity classification

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878 - DE



## OKS 472

Version 2.8	Revision Date: 10.10.2024	Date of last issue: 02.01.2024 Date of first issue: 13.06.2016	Print Date: 10.10.2024
----------------	------------------------------	---	---------------------------

### **Dec-1-ene, homopolymer, hydrogenated:**

No aspiration toxicity classification

### **White mineral oil (petroleum):**

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: Harmful 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

Toxicity to microorganisms : Remarks: No data available

#### **Components:**

### **White mineral oil (petroleum):**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878 - DE



## OKS 472

Version	Revision Date:	Date of last issue: 02.01.2024	Print Date:
2.8	10.10.2024	Date of first issue: 13.06.2016	10.10.2024

Exposure time: 96 h  
Test Type: semi-static test  
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : LC50 (Daphnia magna (Water flea)): > 100 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202

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

Toxicity to microorganisms : LC50 (Bacteria): > 1.000 mg/l  
Exposure time: 40 h  
Test Type: Growth inhibition

Toxicity to fish (Chronic toxicity) : NOEC: > 100 mg/l  
Exposure time: 28 d  
Species: Oncorhynchus mykiss (rainbow trout)  
Remarks: The value is given based on a SAR/AAR approach using OECD Toolbox, DEREK, VEGA QSAR models (CAESAR models), etc.

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC:  $\geq$  1.000 mg/l  
Exposure time: 21 d  
Species: Daphnia magna (Water flea)  
Remarks: The value is given based on a SAR/AAR approach using OECD Toolbox, DEREK, VEGA QSAR models (CAESAR models), etc.

### disodium sebacate:

Toxicity to fish : LC50 (Danio rerio (zebra fish)): > 100 mg/l  
Exposure time: 96 h  
Test Type: semi-static test  
Method: OECD Test Guideline 203  
GLP: yes

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 100 mg/l  
Exposure time: 48 h  
Test Type: semi-static test  
Method: OECD Test Guideline 202  
GLP: yes

Toxicity to algae/aquatic plants : EL50 (Skeletonema costatum (marine diatom)): 38,7 mg/l  
Exposure time: 72 h  
Test Type: static test  
Method: ISO 10253  
GLP: yes

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878 - DE



## OKS 472

Version 2.8	Revision Date: 10.10.2024	Date of last issue: 02.01.2024 Date of first issue: 13.06.2016	Print Date: 10.10.2024
----------------	------------------------------	---	---------------------------

### **N-methyl-N-[C18-(unsaturated)alkanoyl]glycine:**

- Toxicity to fish : LC50 (Danio rerio (zebra fish)): > 0,43 mg/l  
Exposure time: 96 h  
Test Type: flow-through test  
Method: OECD Test Guideline 203  
GLP: yes
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0,43 mg/l  
Exposure time: 48 h  
Test Type: static test  
Method: OECD Test Guideline 202  
GLP: yes
- Toxicity to algae/aquatic plants : EC50 (Desmodesmus subspicatus (green algae)): 6,3 mg/l  
Exposure time: 72 h  
Test Type: static test  
Method: OECD Test Guideline 201
- NOEC (Desmodesmus subspicatus (green algae)): 0,91 mg/l  
Exposure time: 72 h  
Test Type: static test  
Method: OECD Test Guideline 201
- M-Factor (Acute aquatic toxicity) : 1
- Toxicity to microorganisms : NOEC (activated sludge): 10 mg/l  
Exposure time: 3 h  
Test Type: static test  
Method: OECD Test Guideline 209

### **Ecotoxicology Assessment**

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

### **2,6-di-tert-butyl-p-cresol:**

- Toxicity to fish : LC50 (Danio rerio (zebra fish)): 0,57 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0,61 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202
- Toxicity to algae/aquatic plants : EC50 (Desmodesmus subspicatus (green algae)): > 0,4 mg/l  
Exposure time: 72 h  
Method: Regulation (EC) No. 440/2008, Annex, C.3

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878 - DE



## OKS 472

Version	Revision Date:	Date of last issue: 02.01.2024	Print Date:
2.8	10.10.2024	Date of first issue: 13.06.2016	10.10.2024

M-Factor (Acute aquatic toxicity) : 1

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 0,316 mg/l  
Exposure time: 21 d  
Species: Daphnia magna (Water flea)

M-Factor (Chronic aquatic toxicity) : 1

### Dec-1-ene, homopolymer, hydrogenated:

Toxicity to fish : LL50 (Oncorhynchus mykiss (rainbow trout)): > 1.000 mg/l  
Exposure time: 96 h  
Test Type: semi-static test

Toxicity to daphnia and other aquatic invertebrates : EL50 (Daphnia magna (Water flea)): > 1.000 mg/l  
Exposure time: 48 h  
Test Type: static test  
Method: OECD Test Guideline 202  
GLP: yes

Toxicity to algae/aquatic plants : EL50 (Selenastrum capricornutum (green algae)): > 1.000 mg/l  
Exposure time: 72 h  
Test Type: static test  
Method: OECD Test Guideline 201  
GLP: yes

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOELR: 125 mg/l  
Exposure time: 21 d  
Species: Daphnia magna (Water flea)  
Test Type: semi-static test  
Method: OECD Test Guideline 211  
GLP: yes

### White mineral oil (petroleum):

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l  
Exposure time: 96 h  
Test Type: static test  
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia (water flea)): > 100 mg/l  
Exposure time: 48 h  
Test Type: Immobilization  
Method: OECD Test Guideline 202

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: >= 1.000 mg/l  
Exposure time: 21 d  
Species: Daphnia magna (Water flea)

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878 - DE



## OKS 472

Version 2.8	Revision Date: 10.10.2024	Date of last issue: 02.01.2024 Date of first issue: 13.06.2016	Print Date: 10.10.2024
----------------	------------------------------	---	---------------------------

### 12.2 Persistence and degradability

#### Product:

Biodegradability : Remarks: No data available

Physico-chemical  
removability : Remarks: No data available

#### Components:

##### **White mineral oil (petroleum):**

Biodegradability : Biodegradation: 31 %  
Exposure time: 28 d

##### **disodium sebacate:**

Biodegradability : Result: Biodegradable  
Biodegradation: 89 %  
Exposure time: 28 d

##### **N-methyl-N-[C18-(unsaturated)alkanoyl]glycine:**

Biodegradability : Test Type: aerobic  
Inoculum: activated sludge  
Result: rapidly biodegradable  
Biodegradation: 85,2 %  
Exposure time: 28 d

##### **2,6-di-tert-butyl-p-cresol:**

Biodegradability : Test Type: aerobic  
Inoculum: activated sludge  
Result: Not rapidly biodegradable  
Biodegradation: 4,5 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301C

##### **Dec-1-ene, homopolymer, hydrogenated:**

Biodegradability : Result: Not readily biodegradable.

##### **White mineral oil (petroleum):**

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



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878 - DE



## OKS 472

Version 2.8	Revision Date: 10.10.2024	Date of last issue: 02.01.2024 Date of first issue: 13.06.2016	Print Date: 10.10.2024
----------------	------------------------------	---	---------------------------

### 12.3 Bioaccumulative potential

**Product:**

Bioaccumulation : Remarks: No data available

**Components:**

**White mineral oil (petroleum):**

Partition coefficient: n-  
octanol/water : log Pow: > 6

**disodium sebacate:**

Partition coefficient: n-  
octanol/water : log Pow: -4,9 (20 °C)  
pH: 7,8

**N-methyl-N-[C18-(unsaturated)alkanoyl]glycine:**

Partition coefficient: n-  
octanol/water : log Pow: 6,83

**2,6-di-tert-butyl-p-cresol:**

Bioaccumulation : Bioconcentration factor (BCF): 598,4

Partition coefficient: n-  
octanol/water : log Pow: 5,1

**Dec-1-ene, homopolymer, hydrogenated:**

Partition coefficient: n-  
octanol/water : log Pow: 4,82 - 6,5

**White mineral oil (petroleum):**

Partition coefficient: n-  
octanol/water : Pow: > 6

### 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

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878 - DE



## OKS 472

Version 2.8	Revision Date: 10.10.2024	Date of last issue: 02.01.2024 Date of first issue: 13.06.2016	Print Date: 10.10.2024
----------------	------------------------------	---	---------------------------

to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### Components:

#### **White mineral oil (petroleum):**

Assessment : Substance is not persistent, bioaccumulative, and toxic (PBT).

#### **2,6-di-tert-butyl-p-cresol:**

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

#### **Dec-1-ene, homopolymer, hydrogenated:**

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

#### **White mineral oil (petroleum):**

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

## 12.6 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.

## 12.7 Other adverse effects

### Product:

Additional ecological information : Harmful 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.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878 - DE



## OKS 472

Version 2.8	Revision Date: 10.10.2024	Date of last issue: 02.01.2024 Date of first issue: 13.06.2016	Print Date: 10.10.2024
----------------	------------------------------	---	---------------------------

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 : Not regulated as a dangerous good  
ADR : Not regulated as a dangerous good  
RID : Not regulated as a dangerous good  
IMDG : Not regulated as a dangerous good  
IATA : Not regulated as a dangerous good

### 14.2 UN proper shipping name

ADN : Not regulated as a dangerous good  
ADR : Not regulated as a dangerous good  
RID : Not regulated as a dangerous good  
IMDG : Not regulated as a dangerous good  
IATA : Not regulated as a dangerous good

### 14.3 Transport hazard class(es)

ADN : Not regulated as a dangerous good  
ADR : Not regulated as a dangerous good  
RID : Not regulated as a dangerous good  
IMDG : Not regulated as a dangerous good  
IATA : Not regulated as a dangerous good

### 14.4 Packing group

ADN : Not regulated as a dangerous good

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878 - DE



## OKS 472

Version 2.8	Revision Date: 10.10.2024	Date of last issue: 02.01.2024 Date of first issue: 13.06.2016	Print Date: 10.10.2024
----------------	------------------------------	---	---------------------------

**ADR** : Not regulated as a dangerous good  
**RID** : Not regulated as a dangerous good  
**IMDG** : Not regulated as a dangerous good  
**IATA (Cargo)** : Not regulated as a dangerous good  
**IATA (Passenger)** : Not regulated as a dangerous good

### 14.5 Environmental hazards

**ADN** : Not regulated as a dangerous good  
**ADR** : Not regulated as a dangerous good  
**RID** : Not regulated as a dangerous good  
**IMDG** : Not regulated as a dangerous good

### 14.6 Special precautions for user

Not applicable

### 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) : Not applicable

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

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878 - DE



## OKS 472

Version	Revision Date:	Date of last issue: 02.01.2024	Print Date:
2.8	10.10.2024	Date of first issue: 13.06.2016	10.10.2024

(EU PIC)

REACH - List of substances subject to authorisation : Not applicable  
(Annex XIV)  
(EU. REACH-Annex XIV)

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

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. : Not applicable

Water hazard class : WGK 1 slightly hazardous to water  
(Germany) : Classification according to AwSV, Annex 1 (5.2)

TA Luft List (Germany) : 5.2.1: Total dust:  
others: 3,5 %  
5.2.2: Inorganic substances in powdered form:  
Not applicable  
5.2.4: Inorganic substances in gaseous form:  
Not applicable  
5.2.5: Organic Substances:  
Class 1: 74,36 %  
5.2.7.1.1: Carcinogenic substance:  
Not applicable  
5.2.7.1.1: Quartz fine dust PM4:  
Not applicable  
5.2.7.1.1: Formaldehyde:  
Not applicable  
5.2.7.1.1: fibres:  
Not applicable  
5.2.7.1.2: Germ cell mutagens:  
Not applicable  
5.2.7.1.3: Substances toxic to reproduction:  
Not applicable  
5.2.7.2: Poorly degradable, easily enrichable and highly toxic organic substances:  
Not applicable

Volatile organic compounds : Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control)  
Volatile organic compounds (VOC) content: < 0,01 %

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878 - DE



## OKS 472

Version	Revision Date:	Date of last issue: 02.01.2024	Print Date:
2.8	10.10.2024	Date of first issue: 13.06.2016	10.10.2024

### 15.2 Chemical safety assessment

This information is not available.

## SECTION 16: Other information

### Full text of H-Statements

H304	:	May be fatal if swallowed and enters airways.
H315	:	Causes skin irritation.
H318	:	Causes serious eye damage.
H319	:	Causes serious eye irritation.
H332	:	Harmful if inhaled.
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.

### Full text of other abbreviations

DE DFG MAK	:	Germany. MAK BAT Annex IIa
DE TRGS 900	:	Germany. TRGS 900 - Occupational exposure limit values.
DE DFG MAK / MAK	:	MAK value
DE TRGS 900 / AGW	:	Time Weighted Average

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 - 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

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878 - DE



## OKS 472

Version	Revision Date:	Date of last issue: 02.01.2024	Print Date:
2.8	10.10.2024	Date of first issue: 13.06.2016	10.10.2024

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 3                      H412

#### Classification procedure:

Calculation method

|| Relevant changes compared to the last edition are highlighted at the left margin. This version replaces all previous editions.

This safety data sheet applies only to products as originally packed and labelled. The information contained therein may not be reproduced or modified without our express written permission. Any forwarding of this document is only permitted to the extent required by law. Any further, in particular public, dissemination of the safety data sheet (e.g. as a document for download from the Internet) is not permitted without our express written consent. We provide our customers with amended safety data sheets as prescribed by law. The customer is responsible for passing on safety data sheets and any amendments contained therein to its own customers, employees and other users of the product. We provide no guarantee that safety data sheets received by users from third parties are up-to-date. All information and instructions in this safety data sheet have been compiled to the best of our knowledge and are based on the information available to us on the day of publication. The information provided is intended to describe the product in relation to the required safety measures; it is neither an assurance of characteristics nor a guarantee of the product's suitability for particular applications and does not justify any contractual legal relationship. The existence of a safety data sheet for a particular jurisdiction does not necessarily mean that import or use within that jurisdiction is legally permitted. If you have any questions, please contact your responsible sales contact or authorized trading partner.