



Läpp- und Polierpaste Dipo, sehr fein

Print date 13.03.2023
Revision date 13.03.2023
Version 2.3 (en)
replaces version of 05.06.2020 (2.2)

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

1.1 Product identifier

Trade name/designation Läpp- und Polierpaste Dipo, sehr fein

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

*** Use of the substance/mixture**

Polishing agent

1.3 Details of the supplier of the safety data sheet

Supplier

joke Technology GmbH
Asselborner Weg 14-16
D-51429 Bergisch Gladbach
Telephone +49 (0) 22 04 / 8 39-0
Telefax +49 (0) 22 04 / 8 39-60
E-mail info@joke.de
Website www.joke.de

Department responsible for information:

Telephone +49 (0) 22 04 / 8 39-0
Telefax +49 (0) 22 04 / 8 39-60

E-mail (competent person):

safety-data-sheet@joke.de

1.4 Emergency telephone number

Vergiftungs-I-Z. Freiburg +49 (0) 761 / 1 92 40
REACH and CLP UK CA Help Desk +44 171 635 9191

*** SECTION 2: Hazards identification**

*** 2.1 Classification of the substance or mixture**

*** Remark**

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

*** 2.2 Label elements**

*** Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

*** Special rules for supplemental label elements for certain mixtures**

EUH210 Safety data sheet available on request.

*** Remark**

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

*** 2.3 Other hazards**

*** Adverse physicochemical effects**

This information is not available.

*** Adverse human health effects and symptoms**

This information is not available.

Adverse environmental effects

This information is not available.

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- * **Other adverse effects**
 No hazards worthy of special mention.

Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

* **SECTION 3: Composition / information on ingredients****3.1 Substances**

not applicable

* **3.2 Mixtures*** **Hazardous ingredients**

CAS No.	EC No.	Substance name	Concentration	Classification according to Regulation (EC) No 1272/2008 [CLP]	SCL/ M/ ATE
934242-87-2	917-488-4	Kohlenwasserstoffe, C13-C15, n-Alkane, Isoalkane, Cyclische Verbindungen, < 2% Aromen	7 < 10 weight-%	Asp. Tox. 1; H304; EUH066	ATE(oral): > 15000 mg/kg ATE(dermal): > 5000 mg/kg
	920-107-4	Kohlenwasserstoffe, C12-C15, n-Alkane, Isoalkane, Cyclene, <2% Aromaten	5 < 7 weight-%	Asp. Tox. 1; H304	ATE(oral): > 15000 mg/kg ATE(dermal): > 3160 mg/kg
1174522-45-2	918-973-3	Kohlenwasserstoffe, C13-C16, Isoalkane, Cyclische Verbindungen, <2% Aromen	5 < 7 weight-%	Asp. Tox. 1; H304	ATE(oral): > 5000 mg/kg ATE(dermal): > 3160 mg/kg
	926-141-6	Kohlenwasserstoffe, C11-C14, n-Alkan, iso-Alkane, Cyclene, < 2 % Aromaten	3 < 5 weight-%	Asp. Tox. 1; H304; EUH066	ATE(oral): > 5000 mg/kg ATE(dermal): > 5000 mg/kg ATE(inhalation vapour): > 20 mg/L

REACH No.	Substance name
01-2119453414-43-XXX	Kohlenwasserstoffe, C12-C15, n-Alkane, Isoalkane, Cyclene, <2% Aromaten
01-2119456620-43-0000	Kohlenwasserstoffe, C11-C14, n-Alkan, iso-Alkane, Cyclene, < 2 % Aromaten

- * **Additional information**
 The product does not contain any listed SVHC substances >0.1% according to Regulation (EC) No. 1907/2006 § 59 (REACH)
 <5 % aliphatic hydrocarbons.

* **SECTION 4: First aid measures*** **4.1 Description of first aid measures*** **General information**

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).



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* **Following inhalation**

In case of respiratory tract irritation, consult a physician.
Remove casualty to fresh air and keep warm and at rest.

Following skin contact

After contact with skin, wash immediately with plenty of water and soap.
In case of skin irritation, consult a physician.

* **After eye contact**

Eye rinsing with water carefully while protecting unhurt eye.
If eye irritation persists: seek medical attention (eye specialist or occupational physician).

* **Following ingestion**

Do NOT induce vomiting.
Rinse mouth thoroughly with water.
Let water be drunk in little sips (dilution effect).
If symptoms persist consult a doctor.

* **4.2 Most important symptoms and effects, both acute and delayed**

* **Symptoms**

This information is not available.

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

* **Notes for the doctor**

Treat symptomatically.

* **SECTION 5: Firefighting measures**

* **5.1 Extinguishing media**

* **Suitable extinguishing media**

Carbon dioxide (CO₂)
Dry extinguishing powder
alcohol resistant foam
Water spray jet

Unsuitable extinguishing media

Full water jet

* **5.2 Special hazards arising from the substance or mixture**

* **Hazardous combustion products**

In case of fire may be liberated:
Carbon dioxide (CO₂)
Nitrogen oxides (NO_x)
Carbon monoxide

5.3 Advice for firefighters

Special protective equipment for firefighters

In case of fire: Wear self-contained breathing apparatus.

* **Additional information**

Co-ordinate fire-fighting measures to the fire surroundings.
Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.



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* **SECTION 6: Accidental release measures**

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

- * **For non-emergency personnel**
Use personal protection equipment.

- * **For emergency responders**
none

6.2 Environmental precautions

Do not allow to enter into surface water or drains.

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

- * **For containment**
Suitable material for taking up:
Kieselguhr
Sand
Universal binder
Chemical binding agents, containing acids
After taking up the material dispose according to regulation.

- * **For cleaning up**
Clean contaminated articles and floor according to the environmental legislation.

* **6.4 Reference to other sections**

Safe handling: see section 7
Personal protection equipment: see section 8
Disposal: see section 13

* **SECTION 7: Handling and storage**

* **7.1 Precautions for safe handling**

- * **Protective measures**
Usual measures for fire prevention.
Wear personal protection equipment (refer to section 8).

- * **Advices on general occupational hygiene**
No data available

* **7.2 Conditions for safe storage, including any incompatibilities**

- * **Requirements for storage rooms and vessels**
Keep container tightly closed.

* **Storage class**

12 non-combustible liquids that cannot be assigned to any of the above storage classes

* **Materials to avoid**

Do not store together with:
Oxidising agent
Food and feedingstuffs

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* **Further information on storage conditions**

Keep container tightly closed in a cool, well-ventilated place.

Protect against:

Frost

UV-radiation/sunlight

Heat

Humidity

Recommended storage temperature 20°C

7.3 Specific end use(s)**Recommendation**

See section 1.2

* **SECTION 8: Exposure controls/personal protection*** **8.1 Control parameters*** **DNEL worker**

CAS No.	Substance name	DNEL value	DNEL type	Remark
64742-82-1	Kohlenwasserstoffe, C11-C14,n-Alkan, iso-Alkane, Cyclene, < 2 % Aromaten	6.8 mg/kg	acute dermal, short-term (systemic)	

* **PNEC**

CAS No.	Substance name	PNEC Value	PNEC type	Remark
64742-82-1	Kohlenwasserstoffe, C11-C14,n-Alkan, iso-Alkane, Cyclene, < 2 % Aromaten	0.0011 µg/L	aquatic, freshwater	
64742-82-1	Kohlenwasserstoffe, C11-C14,n-Alkan, iso-Alkane, Cyclene, < 2 % Aromaten	0.011 µg/L	aquatic, marine water	

* **8.2 Exposure controls*** **Appropriate engineering controls*** **Remark**

Technical measures and the application of suitable work processes have priority over personal protection equipment.

* **Personal protection equipment*** **Eye/face protection**

tightly fitting goggles
 EN 166



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- * **Hand protection**
By long-term hand contact
Angaben zum Handschuhmaterial [Art/Typ, Dicke, Durchdringzeit/Tragedauer, Benetzungstärke]: EN 374, FKM, 480 min., 0,4mm
Information on glove material [type / type, thickness, penetration time, force]: butyl, 0.5 mm, > = 8 h
CR (polychloroprene, chloroprene rubber)
Thickness of the glove material 0,5mm
Breakthrough time: >=8h
Angaben zum Handschuhmaterial [Art/Typ, Dicke, Durchdringzeit/Tragedauer, Benetzungstärke]: EN 374, NBR (Nitrilkautschuk), 480 min., 0,35mm
Information on glove material [type / type, thickness, permeation time / duration of wetting, wetting strength]:PVC, > 0,5 mm,> 480 min.
Check leak tightness/impermeability prior to use.
In the case of wanting to use the gloves again, clean them before taking off and air them well.
DIN-/EN-Norms
EN ISO 374
- * **Body protection:**
lab coat
- * **Respiratory protection**
Not required for normal handling.
Respiratory protection necessary at:
exceeding exposure limit values
insufficient ventilation
aerosol or mist formation
dust formation
Suitable respiratory protection apparatus:
Particle filter device (DIN EN 143)
Filter type P2-3
The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.
Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190).
- Thermal hazards**
none
- * **Environmental exposure controls**
- * **Remark**
none

* **SECTION 9: Physical and chemical properties**

* **9.1 Information on basic physical and chemical properties**

- * **Physical state**
liquid:
viscous
- * **Colour**
light red
- Odour**
characteristic

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Safety relevant basis data

	Value	Method	Source, Remark
Odour threshold:	not determined		
Melting point/freezing point	not determined		
Boiling point or initial boiling point and boiling range	not determined		
flammability	not determined		
Lower and upper explosion limit	not determined		
Flash point	not determined		
Auto-ignition temperature	not determined		
Decomposition temperature	not determined		
pH	8- 10		
Viscosity	kinematic > 1008 mm ² /s (40°C)	DIN 53019	
Solubility(ies)	not determined		
Partition coefficient n-octanol/water (log value)	≥ 5.03		Kohlenwasserstoffe, C12-C15, n-Alkane, Isoalkane, Cyclene, <2% Aromaten
Vapour pressure	not determined		
Density and/or relative density	1.2- 1.4 g/cm ³		
Relative vapour density	not determined		
particle characteristics	not determined		

*** 9.2 Other information***** Other safety characteristics**

	Value	Method	Source, Remark
Solid content	22- 24 %		
Oxidising properties			none

*** SECTION 10: Stability and reactivity***** 10.1 Reactivity**

No data available

*** 10.2 Chemical stability**

The product is chemically stable under recommended conditions of storage, use and temperature.

*** 10.3 Possibility of hazardous reactions**

No hazardous reaction when handled and stored according to provisions.

*** 10.4 Conditions to avoid**

Evolution of heat.
 Direct sunlight.

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*** 10.5 Incompatible materials**

Materials to avoid
 Reducing agent, strong
 Oxidising agent, strong

*** 10.6 Hazardous decomposition products**

In case of fire: carbon monoxide and carbon dioxide.
 Nitrogen oxides (NOx)

*** SECTION 11: Toxicological information****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008***** Acute toxicity***** Animal data**

	Effective dose	Method, Evaluation	Source, Remark
Acute oral toxicity	CAS No.934242-87-2 Kohlenwasserstoffe, C13-C15, n-Alkane, Isoalkane, Cyclische Verbindungen, < 2% Aromen LD50: > 15000 mg/kg Species Rat	OECD 423	
	CAS No.1174522-45-2 Kohlenwasserstoffe, C13-C16, Isoalkane, Cyclische Verbindungen, <2% Aromen LD50: > 5000 mg/kg Species Rat	OECD 401	
	Kohlenwasserstoffe, C12-C15, n-Alkane, Isoalkane, Cyclene, <2% Aromaten LD50: > 15000 mg/kg Species Rat	OECD 401	
	Kohlenwasserstoffe, C11-C14, n-Alkan, iso- Alkane, Cyclene, < 2 % Aromaten LD50: > 5000 mg/kg Species Rat		
Acute dermal toxicity	Kohlenwasserstoffe, C11-C14, n-Alkan, iso- Alkane, Cyclene, < 2 % Aromaten LD50: > 5000 mg/kg Species Rat		
	CAS No.934242-87-2 Kohlenwasserstoffe, C13-C15, n-Alkane, Isoalkane, Cyclische Verbindungen, < 2% Aromen LD50: > 5000 mg/kg Species Rabbit	OECD 402	

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	Effective dose	Method, Evaluation	Source, Remark
	Kohlenwasserstoffe, C12-C15, n-Alkane, Isoalkane, Cyclene, <2% Aromaten LD50: > 3160 mg/kg Species Rabbit	OECD 402	
	CAS No.1174522-45-2 Kohlenwasserstoffe, C13-C16, Isoalkane, Cyclische Verbindungen, <2% Aromen LD50: > 3160 mg/kg Species Rabbit	OECD 402	
Acute inhalation toxicity	Kohlenwasserstoffe, C11-C14, n-Alkan, iso- Alkane, Cyclene, < 2 % Aromaten Acute inhalation toxicity (vapour) LC50: > 20 mg/L Species Rat Exposure time 4 h		

- * **Assessment/classification**
Based on available data, the classification criteria are not met.
- * **Skin corrosion/irritation**
- * **Assessment/classification**
Based on available data, the classification criteria are not met.
- * **Serious eye damage/irritation**
- * **Assessment/classification**
Based on available data, the classification criteria are not met.
- * **Sensitisation to the respiratory tract**
- * **Assessment/classification**
Based on available data, the classification criteria are not met.
- * **Skin sensitisation**
- * **Assessment/classification**
Based on available data, the classification criteria are not met.
- * **Germ cell mutagenicity**
- * **Assessment/classification**
Based on available data, the classification criteria are not met.
- * **Carcinogenicity**
- * **Assessment/classification**
Based on available data, the classification criteria are not met.
- * **Reproductive toxicity**
- * **Assessment/classification**
Based on available data, the classification criteria are not met.



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* **STOT-single exposure**

* **STOT SE 1 and 2**

Other information

No data available

* **Assessment/classification**

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

* **STOT-repeated exposure**

* **Assessment/classification**

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

* **Aspiration hazard**

* **Assessment/classification**

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

11.2 Information on other hazards

Other information

No data available

Frequent and prolonged skin contact may cause skin irritation.

* **SECTION 12: Ecological information**

* **12.1 Toxicity**

* **Aquatic toxicity**

	Effective dose	Method,Evaluation	Source, Remark
Acute (short-term) fish toxicity	Kohlenwasserstoffe, C11-C14,n-Alkan, iso- Alkane, Cyclene, < 2 % Aromaten LC50: 1000 mg/L Species Oncorhynchus mykiss (Rainbow trout) Test duration 96 h		
	CAS No.1174522-45-2 Kohlenwasserstoffe, C13-C16, Isoalkane, Cyclische Verbindungen, <2% Aromen LL50 > 87556 mg/L Species Oncorhynchus mykiss (Rainbow trout) Test duration 96 h		
Chronic (long-term) fish toxicity	CAS No.934242-87-2 Kohlenwasserstoffe, C13-C15, n-Alkane, Isoalkane, Cyclische Verbindungen, < 2% Aromen NOEC > 1000 mg/L Species Oncorhynchus mykiss (Rainbow trout) Test duration 28 d		



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	Effective dose	Method,Evaluation	Source, Remark
	Kohlenwasserstoffe, C12-C15, n-Alkane, Isoalkane, Cyclene, <2% Aromaten NOEC > 1000 mg/L Species Oncorhynchus mykiss (Rainbow trout) Test duration 28 d		
	CAS No.1174522-45-2 Kohlenwasserstoffe, C13-C16, Isoalkane, Cyclische Verbindungen, <2% Aromen NOEC > 1000 mg/L Species Oncorhynchus mykiss (Rainbow trout) Test duration 28 d		
Acute (short-term) toxicity to crustacea	Kohlenwasserstoffe, C11-C14,n-Alkan, iso- Alkane, Cyclene, < 2 % Aromaten EC50 > 1000 mg/L Species Daphnia magna (Big water flea) Test duration 48 h		
	CAS No.1174522-45-2 Kohlenwasserstoffe, C13-C16, Isoalkane, Cyclische Verbindungen, <2% Aromen EL50 > 42958 mg/L Test duration 48 h		
Chronic (long-term) toxicity to aquatic invertebrate	CAS No.1174522-45-2 Kohlenwasserstoffe, C13-C16, Isoalkane, Cyclische Verbindungen, <2% Aromen NOEC 5 mg/L Species Daphnia magna (Big water flea) Test duration 21 d		
	CAS No.934242-87-2 Kohlenwasserstoffe, C13-C15, n-Alkane, Isoalkane, Cyclische Verbindungen, < 2% Aromen NOEC > 1000 mg/L Species Daphnia magna (Big water flea) Test duration 21 d		
	Kohlenwasserstoffe, C12-C15, n-Alkane, Isoalkane, Cyclene, <2% Aromaten NOEC > 1000 mg/L Species Daphnia magna (Big water flea) Test duration 21 d		

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	Effective dose	Method, Evaluation	Source, Remark
Acute (short-term) toxicity to algae and cyanobacteria	CAS No.934242-87-2 Kohlenwasserstoffe, C13-C15, n-Alkane, Isoalkane, Cyclische Verbindungen, < 2% Aromen ErC50: > 1000 mg/L Species Pseudokirchneriella subcapitata Test duration 72 h	OECD 201	
	CAS No.1174522-45-2 Kohlenwasserstoffe, C13-C16, Isoalkane, Cyclische Verbindungen, <2% Aromen ErC50: > 3200 mg/L Species Skeletonema costatum Test duration 72 h		
	CAS No.1174522-45-2 Kohlenwasserstoffe, C13-C16, Isoalkane, Cyclische Verbindungen, <2% Aromen > 100 mg/L Test duration 3 h	OECD 209	
	Kohlenwasserstoffe, C12-C15, n-Alkane, Isoalkane, Cyclene, <2% Aromaten ErC50: > 1000 mg/L Species Pseudokirchneriella subcapitata Test duration 72 h	OECD 201	
	Kohlenwasserstoffe, C11-C14, n-Alkan, iso- Alkane, Cyclene, < 2 % Aromaten ErC50: > 1000 mg/L Species Pseudokirchneriella subcapitata Test duration 72 h	OECD 201	
Chronic (long-term) toxicity to aquatic algae and cyanobacteria	not determined		
Toxicity to other aquatic plants/organisms	not determined		
Toxicity to microorganisms	not determined		

*** 12.2 Persistence and degradability**



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	Value	Method	Source, Remark
Biodegradation	Degradation rate 69 % Test duration 28 d	OECD 301F/ ISO 9408/ EEC 92/69/V, C.4-D	Kohlenwasserstoffe, C11-C14,n-Alkan, iso- Alkane, Cyclene, < 2 % Aromaten Readily biodegradable (to OECD criteria)

*** 12.3 Bioaccumulative potential**

	Value	Method	Source, Remark
Bioconcentration factor (BCF)	Bioconcentration factor (BCF) 144.3		CAS No.934242-87-2 Kohlenwasserstoffe, C13-C15, n-Alkane, Isoalkane, Cyclische Verbindungen, < 2% Aromen
Bioconcentration factor (BCF)	Bioconcentration factor (BCF) ≥ 207.7		Kohlenwasserstoffe, C12-C15, n-Alkane, Isoalkane, Cyclene, <2% Aromaten
Bioconcentration factor (BCF)	Bioconcentration factor (BCF) 22		CAS No.1174522-45-2 Kohlenwasserstoffe, C13-C16, Isoalkane, Cyclische Verbindungen, <2% Aromen
Bioconcentration factor (BCF)	Bioconcentration factor (BCF) 144.3		Kohlenwasserstoffe, C11-C14,n-Alkan, iso- Alkane, Cyclene, < 2 % Aromaten

*** Assessment/classification**
 No indication of bioaccumulation potential.

12.4 Mobility in soil

Assessment/classification
 Leaking substances can penetrate the soil and lead to contamination of the soil and groundwater.

12.5 Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6 Endocrine disrupting properties

No data available

12.7 Other adverse effects

*** Additional ecotoxicological information**
*** Additional information**
 Discharge into the environment must be avoided.



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*** SECTION 13: Disposal considerations**

*** 13.1 Waste treatment methods**

*** Waste codes/waste designations according to EWC/AVV**

Waste code product	Waste name
120120 *	spent grinding bodies and grinding materials containing hazardous substances
Waste code packaging	Waste name
150110 *	packaging containing residues of or contaminated by hazardous substances

*** Appropriate disposal / Product**

Dispose of waste according to applicable legislation.

Appropriate disposal / Package

Completely emptied packages can be recycled.
 Handle contaminated packages in the same way as the substance itself.

*** Remark**

Consult the appropriate local waste disposal expert about waste disposal.

*** SECTION 14: Transport information**

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1 UN number or ID number	-	-	-
14.2 UN proper shipping name	-	-	-
14.3 Transport hazard class(es)	-	-	-
14.4 Packing group	-	-	-
14.5 Environmental hazards	No	No	No

14.6 Special precautions for user

Corresponding information under section 6 to 8

*** 14.7 Maritime transport in bulk according to IMO instruments**

No data available

All transport carriers

No dangerous goods as defined by the transport regulations - ADR/RID, IMDG, ICAO/IATA-DGR.

*** SECTION 15: Regulatory information**

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

*** EU legislation**

Authorisations

This information is not available.

Restrictions on use

This information is not available.



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* **Other regulations (EU)**

To follow:

1991/689 (2001/118); 2010/75; 2004/42; 648/2004; 1907/2006 (REACH); 1272/2008; 7E5W/3G2 4/(2008/47/EC); (EU) 2015/830; EU 2016/131; (EU) 517/2014

* **15.2 Chemical Safety Assessment**

* **National regulations**

Chemical safety assessments were carried out for substances in this mixture.

* **SECTION 16: Other information**

* **Abbreviations and acronyms**

CLP: Classification, Labelling and Packaging
PBT: persistent and bioaccumulative and toxic
vPvB: very persistent, very bioaccumulative
REACH: Registration, Evaluation and Authorization of Chemicals
CAS: Chemical Abstracts Service
ATE: Acute Toxicity Estimate
M-factor: Multiplication factor
Asp. Tox. 1: Aspiration toxicity, Category 1
SVHC: Substance of Very High Concern
CO₂: Carbon dioxide
PNEC: Predicted No Effect Concentration
DNEL: derived no-effect level
DIN: German Institute for Standardization / German Industrial Standard
EN: European Standard
GefStoffV: Ordinance on Hazardous Substances
OECD: Organisation for Economic Cooperation and Development
LD₅₀: Lethal (fatal) Dose 50%
LC₅₀: Lethal (fatal) Concentration 50%
STOT: Specific Target Organ Toxicity
LL₅₀: Lethal Loading 50 %
NOEC: No Observed Effect Concentration
ErC₅₀: Effective Concentration 50 % reduction in growth rate
EC₁₀: Effective Concentration 10%
EL₅₀: Effective Loading 50 %
ISO: International Organization for Standardization
BCF: Bioconcentration Factor
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
RID: Dangerous goods regulations for transport by rail
IMDG: International Maritime Dangerous Goods
ICAO: International Civil Aviation Organization
IATA: International Air Transport Association
DGR: Dangerous Goods Regulations (IATA)
TI: Technical Instruction
WGK: water hazard class

Key literature references and sources for data

Datasheets of the manufacturer
<http://echa.europa.eu/>.

Training advice

none



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Additional information

National and local regulations concerning chemicals shall be observed.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

Relevant H- and EUH-phrases (Number and full text)

H304 May be fatal if swallowed and enters airways.

Indication of changes

* Data changed compared with the previous version