

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Gerstaecker 

Trade name : Gerstäcker - Pinselreiniger

Revision date : 22.08.2017

Version (Revision) : 13.0.0 (12.0.0)

Print date : 12.10.2017

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

1.1 Product identifier

Gerstäcker - Pinselreiniger

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

Relevant identified uses

Washing and cleaning products (including solvent based products)

1.3 Details of the supplier of the safety data sheet

Supplier : Gerstäcker Verlag GmbH

Street : Wecostraße 4

Postal code/city : 53783 Eitorf

Telephone : +49 22 43 / 88 99 5

Telefax : +49 22 43 / 88 94 5

Information contact : Gerstaecker.sdb@gerstaecker.com

1.4 Emergency telephone number

+49 (0) 55 1 – 19 24 0 (24 h)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

Aquatic Chronic 3 ; H412 - Hazardous to the aquatic environment : Chronic 3 ; Harmful to aquatic life with long lasting effects.

Asp. Tox. 1 ; H304 - Aspiration hazard : Category 1 ; May be fatal if swallowed and enters airways.

2.2 Label elements

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

Hazard pictograms



Health hazard (GHS08)

Signal word

Danger

Hazard components for labelling

HYDROCARBONS, C10-C13, N-ALKANES, ISO-ALKANES, CYCLICS, < 2% AROMATES ; EC No. : 918-481-9

HYDROCARBONS, C9, AROMATES ; EC No. : 918-668-5

Hazard statements

H304 May be fatal if swallowed and enters airways.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P102 Keep out of reach of children.

P101 If medical advice is needed, have product container or label at hand.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P331 Do NOT induce vomiting.

P405 Store locked up.

P501 Dispose of contents/container according to local regulations

Supplemental Hazard information (EU)

EUH066 Repeated exposure may cause skin dryness or cracking.

2.3 Other hazards

None

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ORGANIC SOLVENTS, ADDITIVES

3.2 Mixtures**Hazardous ingredients**

HYDROCARBONS, C10-C13, N-ALKANES, ISO-ALKANES, CYCLICS, < 2% AROMATES ; REACH registration No. : 01-2119457273-39 ; EC No. : 918-481-9

Weight fraction : $\geq 75 - < 100$ %

Classification 1272/2008 [CLP] : Asp. Tox. 1 ; H304

HYDROCARBONS, C9, AROMATES ; REACH registration No. : 01-2119455851-35 ; EC No. : 918-668-5

Weight fraction : $\geq 10 - < 20$ %

Classification 1272/2008 [CLP] : Flam. Liq. 3 ; H226 Asp. Tox. 1 ; H304 STOT SE 3 ; H335 STOT SE 3 ; H336 Aquatic Chronic 2 ; H411

DIBASIC ESTER (reactionmass of dimethyladipate, -glutarate and -succinate) ; REACH registration No. : 01-2119475445-32 ; EC No. : 906-170-0 ; CAS No. : 95481-62-2

Weight fraction : $\geq 5 - < 10$ %

Classification 1272/2008 [CLP] : Substance with a common (EC) occupational exposure limit value.

Alcohols, C16-18 and C18-unsatd., ethoxylated ; CAS No. : 68920-66-1

Weight fraction : $\geq 1 - < 5$ %

Classification 1272/2008 [CLP] : Skin Irrit. 2 ; H315 Aquatic Chronic 2 ; H411

This mixture contains the following substances of very high concern (SVHC) which are included in the Candidate List according to Article 59 of REACH

None

This mixture contains the following substances of very high concern (SVHC) which are subject to authorisation according to Annex XIV of REACH

None

Additional information

Full text of H- and EUH-phrases: see section 16.

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). Remove affected person from the danger area and lay down. Never give anything by mouth to an unconscious person or a person with cramps. If unconscious place in recovery position and seek medical advice.

Following inhalation

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

In case of skin contact

Change contaminated, saturated clothing. Subsequently wash off with: Water and soap

After eye contact

Rinse immediately carefully and thoroughly with eye-bath or water. In case of eye irritation consult an ophthalmologist.

After ingestion

Do NOT induce vomiting. If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Let water be drunken in little sips (dilution effect).

4.2 Most important symptoms and effects, both acute and delayed

Dizziness Headache Impairment of vision Nausea Vomiting

4.3 Indication of any immediate medical attention and special treatment needed

First Aid, decontamination, treatment of symptoms.

SECTION 5: Firefighting measures

Co-ordinate fire-fighting measures to the fire surroundings.

5.1 Extinguishing media

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Suitable extinguishing media

alcohol resistant foam Carbon dioxide (CO₂) Extinguishing powder Water spray

Unsuitable extinguishing media

High power water jet

5.2 Special hazards arising from the substance or mixture

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

5.3 Advice for firefighters

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

5.4 Additional information

Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protection equipment. Remove all sources of ignition. Wear breathing apparatus if exposed to vapours/dusts/aerosols. Provide adequate ventilation. See protective measures under point 7 and 8.

6.2 Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Use water spray jet to minimise or disperse vapours.

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Collect in closed and suitable containers for disposal. Clear contaminated areas thoroughly.

6.4 Reference to other sections

None

SECTION 7: Handling and storage



7.1 Precautions for safe handling

If handled uncovered, arrangements with local exhaust ventilation have to be used. If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.

Protective measures

All work processes must always be designed so that the following is excluded: Inhalation of vapours or spray/mists

Measures to prevent fire

Usual measures for fire prevention. Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.

Measures to prevent aerosol and dust generation

Vapours/aerosols should be exhausted directly at the point of origin. Use only in well-ventilated areas.

Environmental precautions

Shafts and sewers must be protected from entry of the product.

7.2 Conditions for safe storage, including any incompatibilities

Hints on joint storage

Storage class (VCI): 10

Storage class (TRGS 510) : 10

7.3 Specific end use(s)

None

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

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HYDROCARBONS, C10-C13, N-ALKANES, ISO-ALKANES, CYCLICS, < 2% AROMATES

Limit value type (country of origin) : AGW (D)

Limit value : 50 ppm / 300 mg/m³

Remark : 8 h

Version :

Limit value type (country of origin) : AGW (D)

Limit value : 100 ppm / 600 mg/m³

Remark : 15 min.

Version :

HYDROCARBONS, C9, AROMATES

Limit value type (country of origin) : AGW (D)

Limit value : 200 mg/m³ / 8 h

Version : 16.09.2013

DNEL/DMEL and PNEC values**DNEL/DMEL**

Limit value type : DNEL Consumer (systemic) (HYDROCARBONS, C9, AROMATES)

Exposure route : Inhalation

Exposure frequency : Langzeit - systemisch

Limit value : 32 mg/m³

Limit value type : DNEL Consumer (systemic) (HYDROCARBONS, C9, AROMATES)

Exposure route : Dermal

Exposure frequency : Langzeit - systemisch

Limit value : 11 mg/kg

Limit value type : DNEL Consumer (systemic) (HYDROCARBONS, C9, AROMATES)

Exposure route : Oral

Exposure frequency : Langzeit - systemisch

Limit value : 11 mg/kg

Limit value type : DNEL worker (systemic) (HYDROCARBONS, C9, AROMATES)

Exposure route : Dermal

Exposure frequency : Langzeit - systemisch

Limit value : 25 mg/kg

Limit value type : DNEL worker (systemic) (HYDROCARBONS, C9, AROMATES)

Exposure route : Inhalation

Exposure frequency : Langzeit - systemisch

Limit value : 150 mg/m³

Limit value type : DNEL Consumer (local) (DIBASIC ESTER (reactionmass of dimethyladipate,-glutarate and - succinate) ; CAS No. : 95481-62-2)

Exposure route : Inhalation

Exposure frequency : Langzeit - lokal

Limit value : 5 mg/m³

Limit value type : DNEL worker (local) (DIBASIC ESTER (reactionmass of dimethyladipate,-glutarate and - succinate) ; CAS No. : 95481-62-2)

Exposure route : Inhalation

Exposure frequency : Langzeit - lokal

Limit value : 8,3 mg/m³**PNEC**

Limit value type : PNEC aquatic, freshwater (DIBASIC ESTER (reactionmass of dimethyladipate,-glutarate and - succinate) ; CAS No. : 95481-62-2)

Limit value : 0,018 mg/l

Limit value type : PNEC aquatic, marine water (DIBASIC ESTER (reactionmass of dimethyladipate,-glutarate and - succinate) ; CAS No. : 95481-62-2)

Limit value : 0,0018 mg/l

Limit value type : PNEC zeitweise Freisetzung (DIBASIC ESTER (reactionmass of dimethyladipate,-glutarate and - succinate) ; CAS No. : 95481-62-2)

Limit value : 0,18 mg/l

Limit value type : PNEC sediment, freshwater (DIBASIC ESTER (reactionmass of dimethyladipate,-glutarate and - succinate) ; CAS No. : 95481-62-2)

Limit value : 0,16 mg/kg

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Limit value type : PNEC sewage treatment plant (STP) (DIBASIC ESTER (reactionmass of dimethyladipate,-glutarate and - succinate) ; CAS No. : 95481-62-2)
Limit value : 10 mg/l

8.2 Exposure controls



Personal protection equipment

Eye/face protection

Eye glasses with side protection

Skin protection

Hand protection

Suitable gloves type : Gloves with long cuffs

Suitable material : NBR (Nitrile rubber)

Breakthrough time : >= 480 min

Thickness of the glove material : 0,5 mm

Recommended glove articles : DIN EN 374

Additional hand protection measures : Check leak tightness/impermeability prior to use. Do not wear gloves near rotary machines and tools. In the case of wanting to use the gloves again, clean them before taking off and air them well.

Remark : The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Body protection

lab coat Overall Chemical resistant safety shoes Only wear fitting, comfortable and clean protective clothing.

Recommended material : Natural fibres (e.g. cotton) heat-resistant synthetic fibres

Respiratory protection

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. Respiratory protection necessary at: exceeding exposure limit values / aerosol or mist formation.

Suitable respiratory protection apparatus

Filtering device (full mask or mouthpiece) with filter : A

General health and safety measures

Wash hands before breaks and after work. Apply skin care products after work.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : liquid

Colour : colourless

Odour : characteristic

Safety relevant basis data

Melting point/melting range :		not determined	
Initial boiling point and boiling range :	(1013 hPa)	180,0 - 234,0 °C	
Decomposition temperature :		No data available	
Flash point :	approx.	64,0 °C	DIN 51755 part 1
Ignition temperature :	approx.	240,0 °C	
Oxidising liquids :		No data available.	
Lower explosion limit :		0,6 Vol-%	
Upper explosion limit :		8,0 Vol-%	
Explosive properties :		No data available.	
Vapour pressure 20°C):	(20 °C)	No data available	
Density :	(20 °C) approx.	0,822 g/cm ³	

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Water solubility :	(20 °C)			g/l
pH-value:	(20 °C / conc.)		not applicable	
log P O/W :			No data available	
Cinematic viscosity :	(40 °C)	<	20,5	mm ² /s
Odour threshold :			No data available	
Relative vapour density :	(20 °C)		No data available	(air = 1)
Vapourisation rate :			No data available	
Maximum VOC content (EC) :	(20 °C)		85,0	Wt % gem. RL 1999/13/EG
Max. VOC content (Decopaint):	(20 °C)		97,0	Wt % gem. RL 2004/42/EG

9.2 Other information

no more data available

SECTION 10: Stability and reactivity

10.1 Reactivity

No information available.

10.2 Chemical stability

Stable under recommended storage and handling conditions(See section 7).

10.3 Possibility of hazardous reactions

None

10.4 Conditions to avoid

No information available.

10.5 Incompatible materials

None

10.6 Hazardous decomposition products

Does not decompose when used for intended uses.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute effects

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

Acute oral toxicity

Parameter :	LD50 (HYDROCARBONS, C10-C13, N-ALKANES, ISO-ALKANES, CYCLICS, < 2% AROMATES)
Exposure route :	Oral
Species :	Rat
Effective dose :	> 2000 mg/kg
Method :	OECD 401
Parameter :	LD50 (HYDROCARBONS, C9, AROMATES)
Exposure route :	Oral
Species :	Rat
Effective dose :	3592 mg/kg
Method :	OECD 401
Parameter :	LD50 (DIBASIC ESTER (reactionmass of dimethyladipate,-glutarate and - succinate) ; CAS No. : 95481-62-2)
Exposure route :	Oral
Species :	Rat
Effective dose :	> 5000 mg/kg

Acute dermal toxicity

Parameter :	LD50 (HYDROCARBONS, C10-C13, N-ALKANES, ISO-ALKANES, CYCLICS, < 2% AROMATES)
Exposure route :	Dermal
Species :	Rat
Effective dose :	> 2000 mg/kg
Exposure time :	24 h

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Method :	OECD 402
Parameter :	LD50 (HYDROCARBONS, C10-C13, N-ALKANES, ISO-ALKANES, CYCLICS, < 2% AROMATES)
Exposure route :	Dermal
Species :	Rat
Effective dose :	> 2000 mg/kg
Exposure time :	24 h
Method :	OECD 402
Parameter :	LD50 (HYDROCARBONS, C9, AROMATES)
Exposure route :	Dermal
Species :	Rabbit
Effective dose :	> 3160 mg/kg
Method :	OECD 402
Parameter :	LD50 (DIBASIC ESTER (reactionmass of dimethyladipate,-glutarate and - succinate) ; CAS No. : 95481-62-2)
Exposure route :	Dermal
Species :	Rabbit
Effective dose :	> 2250 mg/kg

Acute inhalation toxicity

Parameter :	LC50 (HYDROCARBONS, C10-C13, N-ALKANES, ISO-ALKANES, CYCLICS, < 2% AROMATES)
Exposure route :	Inhalation
Species :	Rat
Effective dose :	> 5000 mg/m ³
Exposure time :	8 h
Method :	OECD 403
Parameter :	LC50 (DIBASIC ESTER (reactionmass of dimethyladipate,-glutarate and - succinate) ; CAS No. : 95481-62-2)
Exposure route :	Inhalation
Species :	Rat
Effective dose :	9 mg/l
Exposure time :	4 h

Irritant and corrosive effects

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

Sensitisation

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

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Carcinogenicity

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

Germ cell mutagenicity

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

Reproductive toxicity

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

STOT-single exposure

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

STOT-repeated exposure

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

Aspiration hazard

May be fatal if swallowed and enters airways.

11.2 Toxicokinetics, metabolism and distribution

There are no data available on the preparation/mixture itself.

11.3 Symptoms related to the physical, chemical and toxicological characteristics

There are no data available on the preparation/mixture itself.

11.4 Other adverse effects

No information available.

11.5 Additional information

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The product is classified and labelled according to EC directives or corresponding national laws. Classification according to Regulation (EC) No 1272/2008 [CLP] Toxicological data are not available.

SECTION 12: Ecological information**12.1 Toxicity****Aquatic toxicity**

Harmful to aquatic life with long lasting effects.

Acute (short-term) fish toxicity

Parameter : NOELR (HYDROCARBONS, C10-C13, N-ALKANES, ISO-ALKANES, CYCLICS, < 2% AROMATES)

Species : Oncorhynchus mykiss (Rainbow trout)

Effective dose : > 1000 mg/l

Exposure time : 96 h

Method : OECD 203

Parameter : LL50 (HYDROCARBONS, C9, AROMATES)

Species : Oncorhynchus mykiss (Rainbow trout)

Effective dose : 9,2 mg/l

Exposure time : 96 h

Parameter : EC50 (DIBASIC ESTER (reactionmass of dimethyladipate,-glutarate and - succinate) ; CAS No. : 95481-62-2)

Species : Pimephales promelas (fathead minnow)

Effective dose : 18 - 24 mg/l

Exposure time : 96 h

Chronic (long-term) fish toxicity

Parameter : NOELR (HYDROCARBONS, C10-C13, N-ALKANES, ISO-ALKANES, CYCLICS, < 2% AROMATES)

Species : Oncorhynchus mykiss (Rainbow trout)

Effective dose : 0,1 mg/l

Exposure time : 28 d

Acute (short-term) daphnia toxicity

Parameter : NOELR (HYDROCARBONS, C10-C13, N-ALKANES, ISO-ALKANES, CYCLICS, < 2% AROMATES)

Species : Daphnia magna (Big water flea)

Effective dose : > 100 mg/l

Exposure time : 48 h

Method : OECD 202

Parameter : EL50 (HYDROCARBONS, C9, AROMATES)

Species : Daphnia magna (Big water flea)

Effective dose : 3,2 mg/l

Exposure time : 48 h

Parameter : EC50 (DIBASIC ESTER (reactionmass of dimethyladipate,-glutarate and - succinate) ; CAS No. : 95481-62-2)

Effective dose : 112 - 150 ppm

Exposure time : 48 h

Chronic (long-term) daphnia toxicity

Parameter : NOELR (HYDROCARBONS, C10-C13, N-ALKANES, ISO-ALKANES, CYCLICS, < 2% AROMATES)

Species : Daphnia magna (Big water flea)

Effective dose : 0,1 mg/l

Exposure time : 28 d

Acute (short-term) algae toxicity

Parameter : NOELR (HYDROCARBONS, C10-C13, N-ALKANES, ISO-ALKANES, CYCLICS, < 2% AROMATES)

Effective dose : > 100 mg/l

Parameter : EL50 (HYDROCARBONS, C10-C13, N-ALKANES, ISO-ALKANES, CYCLICS, < 2% AROMATES)

Effective dose : > 1000 mg/l

Parameter : NOELR (HYDROCARBONS, C10-C13, N-ALKANES, ISO-ALKANES, CYCLICS, < 2% AROMATES)

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Species :	Pseudokirchneriella subcapitata
Evaluation parameter :	Inhibition of growth rate
Effective dose :	1000 mg/l
Exposure time :	72 h
Method :	OECD 201
Parameter :	EL50 (HYDROCARBONS, C9, AROMATES)
Species :	Pseudokirchneriella subcapitata
Effective dose :	2,629 mg/l
Exposure time :	72 h
Parameter :	EC50 (DIBASIC ESTER (reactionmass of dimethyladipate,-glutarate and - succinate) ; CAS No. : 95481-62-2)
Species :	Pseudokirchneriella subcapitata
Effective dose :	> 85 mg/l
Exposure time :	72 h
Chronic (long-term) algae toxicity	
Parameter :	NOELR (HYDROCARBONS, C10-C13, N-ALKANES, ISO-ALKANES, CYCLICS, < 2% AROMATES)
Species :	Pseudokirchneriella subcapitata
Effective dose :	1000 mg/l
Exposure time :	72 h
Method :	OECD 201

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

No information available.

12.6 Other adverse effects

No information available.

12.7 Additional ecotoxicological information

None

SECTION 13: Disposal considerations

Dispose according to legislation.

13.1 Waste treatment methods

Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

Waste code product

Waste code (91/689/EEC) : 07 01 04*

13.2 Additional information

None

SECTION 14: Transport information

14.1 UN number

No dangerous good in sense of these transport regulations.

14.2 UN proper shipping name

No dangerous good in sense of these transport regulations.

14.3 Transport hazard class(es)

No dangerous good in sense of these transport regulations.

14.4 Packing group

No dangerous good in sense of these transport regulations.

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14.5 Environmental hazards

No dangerous good in sense of these transport regulations.

14.6 Special precautions for user

None

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

not relevant

14.8 Additional information

Land transport (ADR/RID)

No dangerous good in sense of these transport regulations.

Sea transport (IMDG)

No dangerous good in sense of these transport regulations.

Air transport (ICAO-TI / IATA-DGR)

No dangerous good in sense of these transport regulations.

SECTION 15: Regulatory information

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

National regulations

Water hazard class (WGK)

Class : 2 (Significant hazardous to water) Classification according to AwSV

15.2 Chemical safety assessment

No information available.

15.3 Additional information

None

SECTION 16: Other information

16.1 Indication of changes

02. Labelling according to Regulation (EC) No. 1272/2008 [CLP] · 07. Hints on joint storage - Storage class · 08. Occupational exposure limit values · 12. Aquatic toxicity · 15. Water hazard class (WGK)

16.2 Abbreviations and acronyms

None

16.3 Key literature references and sources for data

None

16.4 Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

No information available.

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

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.

16.6 Training advice

None

16.7 Additional information

None

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

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valid for the new made-up material.
