

SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

Revision date: 08.08.2024

1 - IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING**Product details****Trade name:** Laser Ultimate finish**Article number:** 49933**Relevant identified uses of the substance or mixture and uses advised against:**

No further relevant information available.

Intended use: Car refinishing product/ Automotive care products**Manufacturer/Supplier:**

Chamäleon GmbH

Rudolf-Diesel-Straße, 8a, 69115 Heidelberg

Germany

Further information obtainable from: Product Safety Department**Information in case of emergency:** + 49 70024112112 (CH)**2 – HAZARDS IDENTIFICATION****Labelling according to Regulation (EC) No 1272/2008**

This product is not classified as hazardous in accordance with GB CLP Regulation.

Label elements**Regulation (EC) No. 1272/2008****Hazard components for labelling**

This product has been treated with biocides for preservation.

Precautionary statements

P102 Keep out of reach of children.

Additional information:

EUH208 Contains mixture of 5-chloro-2-methyl-2H-isothiazol-3-one (EG No. 247-500-7) and 2-methyl-2H-isothiazol-3-one (EG No. 220-239-6) (3:1). May produce an allergic reaction.

EUH210 Safety data sheet available on request.

Other hazards

No information available.

3- COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

Relevant ingredients		
CAS: 64742-48-9 EC No: 918-481-9 Index number: Reg.nr.: 01-2119457273-39	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 0,1% Benzenebenzene Asp. Tox. 1; H304 EUH066	10 - < 15 %
CAS: 8042-47-5 EC No: 232-455-8 Index number: 607-025-00-1 Reg.nr.: 01-2119487078-27	white mineral oil (petroleum) Asp. Tox. 1; H304	5 - < 10 %
CAS: 55965-84-9 EC No: 611-341-5 Index number: 613-167-00-5 Reg.nr.:	mixture of 5-chloro-2-methyl-2H-isothiazol-3-one (EG No. 247-500-7) and 2-methyl-2H-isothiazol-3-one (EG No. 220-239-6) (3:1) Acute Tox. 2, Acute Tox. 2, Acute Tox. 3, Skin Corr. 1C, Eye Dam. 1, Skin Sens. 1A, Aquatic Acute 1, Aquatic Chronic 1; H330 H310 H301 H314 H318 H317 H400 H410 EUH071	< 0.0015 %

Full text of H and EUH statements: see section 16.

Specific Conc. Limits, M-factors and ATE

Relevant ingredients		
CAS: 64742-48-9 EC No: 918-481-9	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 0,1% Benzenebenzene dermal: LD50 = >5000 mg/kg; oral: LD50 = >5000 mg/kg	10 - < 15 %
CAS: 8042-47-5 EC No: 232-455-8	white mineral oil (petroleum) inhalation: LC50 = >5 mg/l (dusts or mists); dermal: LD50 = >2000 mg/kg; oral: LD50 = >5000	5 - < 10 %
CAS: 55965-84-9 EC No: 611-341-5	mixture of 5-chloro-2-methyl-2H-isothiazol-3-one (EG No. 247-500-7) and 2-methyl-2H-isothiazol-3-one (EG No. 220-239-6) (3:1)	< 0.0015 %

	inhalation: ATE = 0,5 mg/l (vapours); inhalation: ATE = 0,05 mg/l (dusts or mists); dermal: LD50 = >141 mg/kg; oral: LD50 = 66 mg/kg Skin Corr. 1C; H314: >= 0,6 - 100 Skin Irrit. 2; H315: >= 0,06 - < 0,6 Eye Dam. 1; H318: >= 0,6 - 100 Eye Irrit. 2; H319: >= 0,06 - < 0,6 Skin Sens. 1A; H317: >= 0,0015 - 100 Aquatic Acute 1; H400: M=100 Aquatic Chronic 1; H410: M=100	
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4- FIRST - AID MEASURE

Description of first aid measures

General information. No special measures are necessary. When in doubt or if symptoms are observed, get medical advice.

After inhalation Provide fresh air. In case of respiratory tract irritation, consult a physician.

After contact with skin After contact with skin, wash immediately with plenty of water and soap. Take off contaminated clothing and wash it before reuse.

After contact with eyes Rinse immediately carefully and thoroughly with eye-bath or water.

After ingestion Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. Call a doctor.

Most important symptoms and effects, both acute and delayed

No information available.

Indication of any immediate medical attention and special treatment needed.

Treat symptomatically.

5- FIRE - FIGHTING MEASURE

Extinguishing media

Suitable extinguishing agents:

Foam. Dry extinguishing powder. Carbon dioxide (CO₂). Water spray jet. Co-ordinate fire-fighting measures to the fire surroundings.

Unsuitable extinguishing media

Full water jet

Special hazards arising from the substance or mixture

In case of fire may be liberated: Gases/vapours, irritant.

Advice for firefighters

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

■ **Additional information**

Use water spray jet to protect personnel and to cool endangered containers. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

6- ACCIDENTAL RELEASE MEASURE

Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

Remove all sources of ignition. Ventilate affected area. Wear personal protection equipment (refer to section 8).

Wear breathing apparatus if exposed to vapours/dusts/aerosols. Use personal protection equipment. Tested protective gloves must be worn: Recommended material: NBR (Nitrile rubber). Unsuitable material: PVC (polyvinyl chloride)

Environmental precautions:

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

Methods and material for containment and cleaning up:

Collect spillage. Stop leak if safe to do so. Cover drains.

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

Use non-sparking tools. Clean contaminated articles and floor according to the environmental legislation.

Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

7- HANDLING AND STORAGE

Precautions for safe handling No special measures are necessary. Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500.

Information about fire - and explosion protection:

No special fire protection measures are necessary. Only use the material in places where open light, fire and other flammable sources can be kept away.

Take off contaminated clothing. Wash hands before breaks and after work. When using do not smoke.

When using do not eat or drink. Avoid contact with skin, eyes and clothes. Avoid breathing dust/fume/gas/mist/vapours/spray.

Conditions for safe storage, including any incompatibilities

Storage:

■ **Requirements for storage rooms and vessels**

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

Hints on joint storage

Do not store together with: Oxidising agent. Strong acid. Strong alkali.

Further information on storage conditions

Recommended storage temperature: 15-25°C

Specific end use(s)

Automotive care products

8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
1344-28-1	Aluminium oxides, respirable dust	-	4		TWA (8 h)	WEL
56-81-5	Glycerol, mist	-	10		TWA (8 h)	WEL

DNEL/DMEL values

1344-28-1 Aluminium oxide		
inhalation	DNEL	15,63 mg/m ³ (Worker DNEL, long-term, local)
oral	DNEL	3,29 mg/kg bw/day (Consumer DNEL, long-term, systemic)
8042-47-5 white mineral oil (petroleum)		
Inhalation	DNEL	34,78 mg/m ³ (Consumer DNEL, long-term systemic)
Dermal	DNEL	93,02 mg/kg bw/day (Consumer DNEL, long-term systemic)
Inhalation	DNEL	164,56 mg/m ³ (Worker DNEL, long-term systemic)
Dermal	DNEL	217,05 mg/kg bw/day (Worker DNEL, long-term systemic)
oral	DNEL	25 mg/kg bw/day (Consumer, long-term systemic)
56-81-5 glycerol		
inhalation	DNEL	220 mg/m ³ (Worker DNEL, long-term local)
PNECs		
1344-28-1 Aluminium oxide		
PNEC	0,0749 mg/l (Freshwater)	
PNEC	20 mg/l (Micro-organisms in sewage treatment plants (STP))	
56-81-5 glycerol		
PNEC	1000 mg/l (Micro-organisms in sewage treatment plants (STP))	

Exposure controls

Appropriate engineering controls: Use only in well-ventilated areas.

Individual protection measures, such as personal protective equipment

■ **Eye/face protection**

Wear eye protection/face protection.

Hand protection:

When handling chemical substances, protective gloves must be worn with the CE-label including the four control digits. 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. Tested protective gloves must be worn. Recommended glove articles: HyFlex® Foam (EN 420, EN 388 (3131)).

Skin protection

Wear suitable protective clothing.

Respiratory protection:

In case of inadequate ventilation wear respiratory protection.

Environmental exposure controls

No special environmental measures are necessary. Do not allow uncontrolled discharge of product into the environment.

9 – PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

General Information:

Physical state	Liquid
Colour:	white
Odour:	fruity
Melting point/freezing point:	not determined
Boiling point or initial boiling point and boiling range	100 °C
Flammability	not applicable not applicable
Lower explosion limits:	0,5 vol. %
Upper explosion limits:	7 vol. %
Flash point:	>90 °C ASTM D 93
Auto-ignition temperature:	>200 °C
Decomposition temperature:	not determined

pH	8
Viscosity:	
Kinematic viscosity	>20,5 mm ² /s
Dynamic:	Not determined.
Solubility	
water:	completely miscible
Solubility in other solvents	not determined
Partition coefficient n-octanol/water (log value)	Not determined.
Vapour pressure at 20 °C (68 °F):	0,6 hPa
Density and/or relative density	
Density at 20 °C (68 °F):	0,99 g/cm ³
Information with regard to physical hazard classes	
Not oxidising.	
Oxidizing properties	
Other safety characteristics	
Solvent content:	25,56 %
Viscosity / dynamic:	8000-13000 mPa*s

10- STABILITY AND REACTIVITY

Reactivity No hazardous reaction when handled and stored according to provisions.

Chemical stability The product is stable under storage at normal ambient temperatures.

Possibility of hazardous reactions No dangerous reactions known.

Conditions to avoid Only use the material in places where open light, fire and other flammable sources can be kept away.

Incompatible materials: Strong acid. Strong alkali. Highly oxidising substances.

Hazardous decomposition products: No dangerous decomposition products known.

11- TOXICOLOGICAL INFORMATION

Information on hazard classes as defined in CLP Regulation

Toxicokinetics, metabolism and distribution No information available.

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

ATEmix calculated ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 0,1% Benzene		
Oral	LD50	>5000 mg/kg (Rat)

Dermal	LD50	> 5000 mg/kg (rabbit)
8042-47-5 white mineral oil (petroleum)		
Oral	LD50	>5000 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rabbit)
Inhalative	LC50 / 4 h	>5 mg/m3 (rat)
55965-84-9 mixture of 5-chloro-2-methyl-2H-isothiazol-3-one (EG No. 247-500-7) and 2-methyl-2H-isothiazol-3-one (EG No.220-239-6) (3:1)		
Oral	LD50	66 mg/kg mg/kg (rat)
Dermal	LD50	>141 mg/kg (rabbit)
Inhalative	ATE	0,5 mg/l (vapour)
Inhalative	ATE	0,05 mg/l (dust/mist)

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/irritation: Based on available data, the classification criteria are not met.

Sensitising effects

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

Contains mixture of 5-chloro-2-methyl-2H-isothiazol-3-one (EG No. 247-500-7) and 2-methyl-2H-isothiazol-3-one (EG No. 220-239-6) (3:1). May produce an allergic reaction.

Carcinogenic/mutagenic/toxic effects for reproduction

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

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

Additional information on tests

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

12 – ECOLOGICAL INFORMATION

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

Aquatic toxicity:	
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 0,1% Benzene	
LC50/96h	>1000 mg/l (fish)
ErC50/72h	>1000 mg/l (algae)
EL50 / 48 h	>1000 (crustacean)
8042-47-5 white mineral oil (petroleum)	
LL50 / 96 h	>1000 mg/l (fish)
ErC50 / 72 h	>100 mg/l (algae)

EL50 / 48 h	>100 mg/l (crustacean)
NOEC / 72 d	>=100 mg/l (Algae)
55965-84-9 mixture of 5-chloro-2-methyl-2H-isothiazol-3-one (EG No. 247-500-7) and 2-methyl-2H-isothiazol-3-one (EG No.220-239-6) (3:1)	
LC50/ 96 h	0.22 mg/l ((fish)
ErC50 / 72 h	0,048 mg/l (algae)
EC50 / 48 h	0,1 mg/l (crustacean)
NOEC / 28 d	0,098 mg/l ((fish)
NOEC / 3 d	0,0012 mg/l (algae)
NOEC / 21 d	0,004 mg/l (crustacean)
EC50 / 3 h	7,92 mg/l (bacteria)

Persistence and degradability:

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

CAS No	Chemical name	Method	Value	d	Source
		Evaluation			
64742-46-7	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 0,1% Benzene	OECD 306	80%	28	ECHA
	Readily biodegradable (according to OECD criteria).				
8042-47-5	8042-47-5 white mineral oil (petroleum)	OECD 301F	31 %	28	ECHA
	Not readily biodegradable (according to OECD criteria)				
55965-84-9	mixture of 5-chloro-2-methyl-2H-isothiazol-3-one (EG No. 247-500-7) and 2-methyl-2H-isothiazol-3-one (EG No. 220-239-6) (3:1)	OECD 301 A	>70 %	28	Thor
	Readily biodegradable (according to OECD criteria).				
		OECD 301 D	>60%		Thor
	Readily biodegradable (according to OECD criteria).				

Bioaccumulative potential: The product has not been tested.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
8042-47-5	white mineral oil (petroleum)	>4

BCF

CAS No	Chemical name	BCF	Source
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55965-84-9	mixture of 5-chloro-2-methyl-2H-isothiazol-3-one (EG No. 247-500-7) and 2-methyl-2H-isothiazol-3-one (EG No. 220-239-6) (3:1)	3,16	EPIWIN, S 1177
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Mobility in soil: The product has not been tested.

Results of PBT and vPvB assessment:

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

The product has not been tested.

Endocrine disrupting properties:

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

Other adverse effects

No information available.

Further information

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

13- DISPOSAL CONSIDERATION

Waste treatment methods

Disposal recommendations

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation.

Contaminated packaging

Non-contaminated packages may be recycled.

14- TRANSPORT INFORMATION

Land transport (ADR/RID)

UN number or ID number: No dangerous good in sense of this transport regulation.

UN proper shipping name: No dangerous good in sense of this transport regulation.

Transport hazard class(es): No dangerous good in sense of this transport regulation.

Packing group: No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

UN number or ID number: No dangerous good in sense of this transport regulation.

UN proper shipping name: No dangerous good in sense of this transport regulation.

Transport hazard class(es): No dangerous good in sense of this transport regulation.

- **Packing group:** No dangerous good in sense of this transport regulation.
Marine transport (IMDG)
UN number or ID number: No dangerous good in sense of this transport regulation.
UN proper shipping name: No dangerous good in sense of this transport regulation.
Transport hazard class(es): No dangerous good in sense of this transport regulation.
Packing group: No dangerous good in sense of this transport regulation.
Air transport (ICAO-TI/IATA-DGR)
UN number or ID number: No dangerous good in sense of this transport regulation.
UN proper shipping name: No dangerous good in sense of this transport regulation.
Transport hazard class(es): No dangerous good in sense of this transport regulation.
Packing group: No dangerous good in sense of this transport regulation.
Environmental hazards
ENVIRONMENTALLY HAZARDOUS: NO
Special precautions for user
No dangerous good in sense of this transport regulation.
Maritime transport in bulk according to IMO instruments
No dangerous good in sense of this transport regulation.

1.5 – REGULATORY INFORMATION

EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 28, Entry 29, Entry 75

Directive 2010/75/EU on industrial 13,514 % (133,786 g/l)

emissions:

Directive 2004/42/EC on VOC in 13,579 % (134,434 g/l)

paints and varnishes:

Information according to Directive

2012/18/EU (SEVESO III):

Not subject to 2012/18/EU (SEVESO III)

Additional information

To follow: 850/2004/EC, 79/117/EEC, 689/2008/EC

National regulatory information

Employment restrictions:

Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

Water hazard class (D): 1 - slightly hazardous to water

Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

■ 16-OTHER INFORMATION

Changes

This data sheet contains changes from the previous version in section(s): 6,7,9,15.

Relevant H and EUH statements (number and full text)

H301 Toxic if swallowed.

H304 May be fatal if swallowed and enters airways.

H310 Fatal in contact with skin.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H330 Fatal if inhaled.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

EUH066 Repeated exposure may cause skin dryness or cracking.

EUH071 Corrosive to the respiratory tract.

EUH208 Contains mixture of 5-chloro-2-methyl-2H-isothiazol-3-one (EG No. 247-500-7) and 2-methyl-2H-isothiazol-3-one (EG No. 220-239-6) (3:1). May produce an allergic reaction.

EUH210 Safety data sheet available on request.

Abbreviations and acronyms

Acute Tox: Acute toxicity

Asp. Tox: Aspiration hazard

Skin Corr: Skin corrosion

Eye Dam: Eye damage

Skin Sens: Skin sensitisation

Aquatic Acute: Acute aquatic hazard

Aquatic Chronic: Chronic aquatic hazard

ADR: Accord européen sur le transport des marchandises dangereuses par Route
(European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

Further Information

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

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- 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.

The information contained in these sheets is based on the present state of knowledge and current national legislation. It provides guidance on health, safety and environmental aspects and should not be construed as any guarantee of technical performance or suitability for particular applications.