

SAFETY DATA SHEET
according to 1907/2006/EC, Article 31

Revision date: 21.12.2021

**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:

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

**Classification of the substance or mixture
according to Regulation (EC) No 1907/2006**

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

Label elements

according to Regulation (EC) No 1907/2006

Hazard components for labelling:

This product has been treated with biocides for preservation.

Precautionary statements:

P102 Keep out of reach of children.

Special labelling of certain mixtures:

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

Hazardous components:

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics			10 - < 15 %
	918-481-9		01-2119457273-39	
	Asp. Tox. 1; H304 EUH066			
8042-47-5	white mineral oil (petroleum)			5 - < 10 %
	232-455-8		01-2119487078-27	
	Asp. Tox. 1; H304			
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).			< 0.1 %
	611-341-5	613-167-00-5		
	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			

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

CAS No	EC No	Chemical name	Quantity
	Specific Conc. Limits, M-factors and ATE		
	918-481-9	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics	10 - < 15 %
	inhalation: LC50 = >9,3 mg/l (vapours); dermal: LD50 = >5000 mg/kg; oral: LD50 = >5000 mg/kg		
8042-47-5	232-455-8	white mineral oil (petroleum)	5 - < 10 %
	inhalation: LC50 = >5,09 mg/l (dusts or mists); dermal: LD50 = >2000 mg/kg; oral: LD50 = >5000 mg/kg		
55965-84-9	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).	< 0.1 %
	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 M acute; H400: M=100 M chron.; H410: M=100		

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 media:

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:

No special measures are necessary.

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

General advice:

Provide adequate ventilation.

Do not breathe gas/fumes/vapour/spray.

Avoid contact with skin, eyes and clothes.

Use personal protection equipment.

Environmental precautions:

Do not allow to enter into surface water or drains.

Methods and material for containment and cleaning up

Other information:

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.

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

Advice on safe handling:

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

Advice on protection against fire and explosion:

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.

Further information on handling:

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

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:

CAS No	Substance	Exposure route	Effect	Value
8042-47-5	white mineral oil (petroleum)			
	Consumer DNEL, long-term	inhalation	systemic	35 mg/m ³
	Consumer DNEL, long-term	dermal	systemic	93 mg/kg bw/day
	Worker DNEL, long-term	inhalation	systemic	160 mg/m ³
	Worker DNEL, long-term	dermal	systemic	220 mg/kg bw/day
	Consumer DNEL, long-term	oral	systemic	40 mg/kg bw/day
1344-28-1	aluminium oxide			
	Consumer DNEL, long-term	oral	systemic	3,29 mg/kg bw/day
	Worker DNEL, long-term	inhalation	local	15,63 mg/m ³
1344-28-1	aluminium oxide			
	Consumer DNEL, long-term	oral	systemic	3,29 mg/kg bw/day
	Worker DNEL, long-term	inhalation	local	15,63 mg/m ³
56-81-5	glycerol			
	Consumer DNEL, long-term	oral	systemic	229 mg/kg bw/day
	Worker DNEL, long-term	inhalation	local	56 mg/m ³
	Consumer DNEL, long-term	inhalation	local	33 mg/m ³

PNEC values:

CAS No	Substance	Value
	Environmental compartment	
1344-28-1	aluminium oxide	
	Freshwater	0,0749 mg/l

Micro-organisms in sewage treatment plants (STP)	20 mg/l
1344-28-1 aluminium oxide	
Freshwater	0,0749 mg/l
Micro-organisms in sewage treatment plants (STP)	20 mg/l
56-81-5 glycerol	
Freshwater	0,885 mg/l
Marine water	0,00885 mg/l
Freshwater sediment	3,3 mg/kg
Marine sediment	0,33 mg/kg
Soil	0,141 mg/kg

Exposure controls

Appropriate engineering controls:

Use only in well-ventilated areas.

Protective and hygiene measures:

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.

Eye/face protection:

Wear eye/face protection.

Hand protection:

When handling with 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.

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

Physical state: Colour: Odour: pH-Value (at 20 °C):	Liquid white characteristic 8
Changes in the physical state Melting point/freezing point: Boiling point or initial boiling point and boiling range: Flash point:	not determined 100 °C >90 °C ASTM D 93
Flammability Solid/liquid: Gas: Lower explosion limits: Upper explosion limits: Auto-ignition temperature:	not applicable not applicable 0,5 vol. % 7 vol. % >200 °C
Self-ignition temperature Solid: Gas: Decomposition temperature:	not applicable not applicable not determined
Oxidizing properties Vapour pressure (at 20 °C): Density (at 20 °C): Water solubility (at 20 °C):	Not oxidising. 0,6 hPa 0,99 g/cm ³ completely miscible
Solubility in other solvents: Partition coefficient n-octanol/water: Viscosity / dynamic (at 20 °C): Evaporation rate: Solvent content:	not determined not determined 8000-13000 mPa·s not determined 25,49 %
Other information Solid content:	not determined

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 known hazardous reactions.

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 known hazardous decomposition products.

11- TOXICOLOGICAL INFORMATION

Information on hazard classes as defined in CLP Regulation

Toxicocinetics, metabolism and distribution: No information available.

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

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics				
	oral	LD50 >5000 mg/kg	Rat	ECHA	OECD TG 401
	dermal	LD50 >5000 mg/kg	Rabbit	ECHA	OECD TG 402
	inhalation (4 h) vapour	LC50 >9,3 mg/l	Rat	ECHA	OECD TG 403
8042-47-5	white mineral oil (petroleum)				
	oral	LD50 >5000 mg/kg	Rat	ECHA	OECD 401
	dermal	LD50 >2000 mg/kg	Rabbit	ECHA	OECD 402
	inhalation (4 h) aerosol	LC50 >5,09 mg/l	Rat	ECHA	OECD 403
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	Rat	Thor	
	dermal	LD50 >141 mg/kg		Thor	
	inhalation vapour	ATE 0,5 mg/l			
	inhalation aerosol	ATE 0,05 mg/l			

Irritation and corrosivity: Based on available data, the classification criteria are not met.

Sensitising effects:

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: 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.

Specific effects in experiment on an animal: No information available.

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.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics					
	Acute fish toxicity	LC50 >1000 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout)	ECHA	OECD 203
	Acute algae toxicity	ErC50 >1000 mg/l	72 h	Pseudokirchneriella subcapitata	ECHA	OECD 201
	Acute crustacea toxicity	EC50 >1000 mg/l	48 h	Daphnia magna (Big water flea)	ECHA	OECD 202
8042-47-5	white mineral oil (petroleum)					
	Acute fish toxicity	LL50 >1000 mg/l	96 h	Leuciscus idus (golden orfe)	ECHA	OECD 203
	Acute algae toxicity	ErC50 >100 mg/l	72 h	Pseudokirchneriella subcapitata	ECHA	OECD 201
	Acute crustacea toxicity	EL50 >100 mg/l	48 h	Daphnia magna (Big water flea)	ECHA	OECD 202
	Algae toxicity	NOEC >=100 mg/l	72 d	Pseudokirchneriella subcapitata	ECHA	OECD 201
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).					
	Acute fish toxicity	LC50 0,22 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout)	Thor	OECD 203
	Acute algae toxicity	ErC50 0,048 mg/l	72 h	Pseudokirchneriella subcapitata	Thor	OECD 201

	Acute crustacea toxicity	EC50 0,1 mg/l	48 h	Daphnia magna (Big water flea)	Thor	OECD 202
	Fish toxicity	NOEC 0,098 mg/l	28 d	Oncorhynchus mykiss (Rainbow trout)	Thor	OECD 210
	Algae toxicity	NOEC 0,0012 mg/l	3 d	Pseudokirchneriella subcapitata	Thor	OECD 201
	Crustacea toxicity	NOEC 0,004 mg/l	21 d	Daphnia magna (Big water flea)	Thor	OECD 211
	Acute bacteria toxicity	(7,92 mg/l)	3 h	Activated sludge		OECD 209

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				
	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics				
	OECD 301 F		80%	28	ECHA
	Readily biodegradable (according to OECD criteria).				
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	Species	Source
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

Mobility in soil: The product has not been tested.
Results of PBT and vPvB assessment: The product has not been tested.
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:	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:	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:	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: 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 special measures are necessary.

Maritime transport in bulk according to IMO instruments: not applicable.

15 – REGULATORY INFORMATION

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

EU regulatory information:

2010/75/EU (VOC): 13,5 % (133,65 g/l)
 2004/42/EC (VOC): 13,5 % (133,652 g/l)
 Information according to 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III) (SEVESO III):

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

National regulatory information:

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

Chemical safety assessment:

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

Substance/product listed in the following inventories

EU / Schweiz	yes
Taiwan	yes
New Zealand	unknown
USA	yes
Canada	yes
Australia	yes
Japan	yes
China	yes
Korea	yes
Philippines	unknown

16-OTHER INFORMATION

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:

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%

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.