



Chamäleon GmbH  
Rudolf-Diesel-Straße, 8a  
69115 Heidelberg-Germany  
Tel.: +49-(0)-6221 520440  
Fax: +49-(0)-6221 520449  
E-mail: info@chamaeleon-produktion.de  
http: //www.chamaeleon-produktion.de

***SAFETY DATA SHEET***  
***according to 1907/2006/EC, Article 31***      *Revision date: 12.11.2015*

**1- IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING**

**Product details**

**Trade name:** UNI Thinner slow

**Article number:** 13235 (1L), 13238 (5L)

**Intended use:** Car refinishing Product/ Thinner, Diluent

**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**

**Classification according to Regulation (EC) No 1272/2008**



GHS02 flame

Flam. Liq. 3 H226 Flammable liquid and vapour.



GHS08 health hazard

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways



GHS09 environment

Aquatic Chronic 2 H411      Toxic to aquatic life with long lasting effects.



GHS07

STOT SE 3 H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.



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### Classification according to Directive 67/548/EEC or Directive 1999/45/EC

Xn; Harmful

R65: Harmful: may cause lung damage if swallowed.

Xi; Irritant

R37: Irritating to respiratory system.

N; Dangerous for the environment

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R10-66-67: Flammable. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

### Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.

Has a narcotising effect.

### Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

### Label elements

#### Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

### Hazard pictograms



GHS02 GHS07 GHS08 GHS09

Signal word Danger

### Hazard-determining components of labelling:

Solvent naphtha (petroleum), light arom.

n-butyl acetate

### Hazard statements

H226 Flammable liquid and vapour.

H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.

H304 May be fatal if swallowed and enters airways.

H411 Toxic to aquatic life with long lasting effects.

### Precautionary statements

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

P102 Keep out of reach of children.

P103 Read label before use.

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P241 Use explosion-proof electrical/ventilating/lighting/equipment.

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

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.



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P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**Additional information:**

EUH066 Repeated exposure may cause skin dryness or cracking.

**Other hazards**

**Results of PBT and vPvB assessment**

**PBT:** Not applicable.

**vPvB:** Not applicable.

**3- COMPOSITION/INFORMATION ON INGREDIENTS**

**Chemical characterization: Mixtures**

**Description:** Mixture of substances listed below with nonhazardous additions.

Dangerous components:		
CAS: 64742-95-6 EINECS: 265-199-0	Solvent naphtha (petroleum), light arom. Xn R65; Xi R37; N R51/53 R10-66-67	25-50%
	Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H335-H336	
CAS: 123-86-4 EINECS: 204-658-1 Reg.nr.: 01-2119485493-29	n-butyl acetate R10-66-67	25-50%
	Flam. Liq. 3, H226; STOT SE 3, H336	
CAS: 112-07-2 EINECS: 203-933-3 Reg.nr.: 01-2119475112-47	2-butoxyethyl acetate Xn R20/21/22	2.5-<10%
	Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox.4, H332	

**Additional information:** For the wording of the listed risk phrases refer to section 16.

**4- FIRST - AID MEASURE**

**Description of first aid measures**

**After inhalation:** Supply fresh air; consult doctor in case of complaints.

**After skin contact:** Immediately wash with water and soap and rinse thoroughly.

**After eye contact:** Rinse opened eye for several minutes under running water.

**After swallowing:** Seek immediate medical advice.

**Most important symptoms and effects, both acute and delayed** No further relevant information available.

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

No further relevant information available



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## **5- FIRE - FIGHTING MEASURE**

### **Extinguishing media**

**Suitable extinguishing agents:** CO<sub>2</sub>, sand, extinguishing powder. Do not use water.

**For safety reasons unsuitable extinguishing agents:** Water with full jet

**Special hazards arising from the substance or mixture** No further relevant information available.

### **Advice for firefighters**

**Protective equipment:** No special measures required.

## **6- ACCIDENTAL RELEASE MEASURE**

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

Wear protective equipment. Keep unprotected persons away.

### **Environmental precautions:**

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

### **Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

Do not flush with water or aqueous cleansing agents.

### **Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

## **7- HANDLING AND STORAGE**

### **Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

### **Information about fire - and explosion protection:**

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

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

#### **Storage:**

**Requirements to be met by storerooms and receptacles:** No special requirements

**Information about storage in one common storage facility:** Store away from foodstuffs.

**Further information about storage conditions:** Keep container tightly sealed.

#### **Storage class:**

**Specific end use(s)** No further relevant information available.



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## **8 – EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Additional information about design of technical facilities:** No further data; see item 7.

### **Control parameters**

<b>Ingredients with limit values that require monitoring at the workplace:</b>	
123-86-4 n-butyl acetate	
WEL	Short-term value: 966 mg/m <sup>3</sup> , 200 ppm Long-term value: 724 mg/m <sup>3</sup> , 150 ppm
112-07-2 2-butoxyethyl acetate	
WEL	Short-term value: 332 mg/m <sup>3</sup> , 50 ppm Long-term value: 133 mg/m <sup>3</sup> , 20 ppm Sk

**Additional information:** The lists valid during the making were used as basis.

### **Exposure controls**

#### **Personal protective equipment:**

#### **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.  
 Immediately remove all soiled and contaminated clothing  
 Wash hands before breaks and at the end of work.  
 Do not inhale gases / fumes / aerosols.

#### **Respiratory protection:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.  
 Filter A/P2. (EN 141, EN 143)

#### **Protection of hands:**

Protective gloves (EN 374)

#### **Material of gloves**

Butyl rubber, BR  
 Recommended thickness of the material:  $\geq 0.7$  mm

**Penetration time of glove material** Value for the permeation: Level  $\leq 2$

**Eye protection:** Tightly sealed goggles

## **9 – PHYSICAL AND CHEMICAL PROPERTIES**

<b>Information on basic physical and chemical properties</b>	
<b>General Information</b>	
<b>Appearance:</b>	
<b>Form:</b>	<i>Fluid</i>
<b>Colour:</b>	<i>According to product specification</i>
<b>Odour:</b>	<i>Characteristic</i>
<b>Odour threshold:</b>	<i>Not determined.</i>
<b>pH-value:</b>	<i>Not determined.</i>



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<b>Change in condition</b>	
<b>Melting point/Melting range:</b>	<i>Undetermined.</i>
<b>Boiling point/Boiling range:</b>	<i>124 °C</i>
<b>Flash point:</b>	<i>28 °C (DIN 53213)</i>
<b>Flammability (solid, gaseous):</b>	<i>Not applicable.</i>
<b>Ignition temperature:</b>	<i>280 °C (DIN 51794)</i>
<b>Decomposition temperature:</b>	<i>Not determined.</i>
<b>Self-igniting:</b>	<i>Product is not selfigniting.</i>
<b>Danger of explosion:</b>	<i>Product is not explosive. However, formation of explosive air/vapour mixtures are possible</i>
<b>Explosion limits:</b>	
<b>Lower:</b>	<i>0.7 Vol %</i>
<b>Upper:</b>	<i>7.5 Vol %</i>
<b>Vapour pressure at 20 °C:</b>	<i>10.7 hPa</i>
<b>Density at 20 °C:</b>	<i>0.879 g/cm<sup>3</sup> (DIN 53217)</i>
<b>Relative density</b>	<i>Not determined.</i>
<b>Vapour density</b>	<i>Not determined.</i>
<b>Evaporation rate</b>	<i>Not determined.</i>
<b>Solubility in / Miscibility with water:</b>	<i>Not miscible or difficult to mix.</i>
<b>Partition coefficient (n-octanol/water):</b>	<i>Not determined.</i>
<b>Viscosity:</b>	
<b>Dynamic:</b>	<i>Not determined.</i>
<b>Kinematic at 20 °C:</b>	<i>11 s (DIN 53211/4)</i>
<b>Solvent content:</b>	
<b>VOC- (EC)</b>	<i>100.00 %</i>
<b>Other information</b>	<i>No further relevant information available.</i>

## **10– STABILITY AND REACTIVITY**

**Reactivity:** No further relevant information available.

### **Chemical stability**

**Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

**Possibility of hazardous reactions:** No dangerous reactions known.

**Conditions to avoid:** No further relevant information available.

**Incompatible materials:** No further relevant information available.

**Hazardous decomposition products:** Carbon monoxide



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## 11- TOXICOLOGICAL INFORMATION

### Information on toxicological effects

#### Acute toxicity:

<b>LD/LC50 values relevant for classification:</b>		
64742-95-6 Solvent naphtha (petroleum), light arom.		
Oral	LD50	>2000 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rab)

#### Primary irritant effect:

**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.

**Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.

#### **CMR effects (carcinogenity, mutagenity and toxicity for reproduction)**

**Germ cell mutagenity** Based on available data, the classification criteria are not met.

**Carcinogenity** 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**

May cause respiratory irritation. May cause drowsiness or dizziness.

**STOT-repeated exposure** Based on available data, the classification criteria are not met.

#### **Aspiration hazard**

May be fatal if swallowed and enters airways.

## 12 – ECOLOGICAL INFORMATION

### Toxicity

**Aquatic toxicity:** No further relevant information available.

**Persistence and degradability:** No further relevant information available.

**Bioaccumulative potential** No further relevant information available.

**Mobility in soil** No further relevant information available.

#### **Ecotoxicological effects:**

**Remark:** Toxic for fish

#### **Additional ecological information:**

#### **General notes:**

Water hazard class 2 (German Regulation): hazardous for water.

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms.

#### **Results of PBT and vPvB assessment**

**PBT:** Not applicable.

**vPvB:** Not applicable.

**Other adverse effects** No further relevant information available.



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### 13- DISPOSAL CONSIDERATION

#### Waste treatment methods

##### Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

<b>European waste catalogue</b>	
14 06 03*	other solvents and solvent mixtures

#### Uncleaned packaging:

**Recommendation:** Disposal must be made according to official regulations.

### 14- TRANSPORT INFORMATION

#### UN-Number

ADR, IMDG, IATA

UN1263

#### UN proper shipping name

ADR

1 2 6 3 P A I N T R E L A T E D M A T E R I A L ,  
ENVIRONMENTALLY HAZARDOUS, special  
provision 640E

IMDG

PAINT RELATED MATERIAL (Solvent naphtha),  
MARINE POLLUTANT

IATA

PAINT RELATED MATERIAL

#### Transport hazard class(es)

ADR



Class

3 (F1) Flammable liquids.

Label

3

IMDG



Class

3 Flammable liquids.

Label

3

IATA







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Class 3 Flammable liquids.  
Label 3

**Packing group**  
ADR, IMDG, IATA III

**Environmental hazards:** Product contains environmentally hazardous substances:  
Solvent naphtha  
Marine pollutant: Yes  
Symbol (fish and tree)  
Special marking (ADR): Symbol (fish and tree)

**Special precautions for user** Warning: Flammable liquids.  
Danger code (Kemler): 30  
EMS Number: F-E,S-E

**Transport in bulk according to Annex II of MARPOL and the IBC Code** Not applicable.

**Transport/Additional information:**  
**ADR**  
Transport category 3  
Tunnel restriction code D/E

**IMDG**  
Limited quantities (LQ) 5L

**UN "Model Regulation":** UN 1263 PAINT RELATED MATERIAL, SPECIAL PROVISION 640E, 3, III, (D/E), ENVIRONMENTALLY HAZARDOUS

### 15 – REGULATORY INFORMATION

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

**Directive 2012/18/EU**

**Named dangerous substances - ANNEX I** None of the ingredients is listed.

**National regulations:**

Class	Share in %
NK	50-100

**Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.



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## **16-OTHER INFORMATION**

### **Relevant phrases**

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

R10 Flammable.

R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

R37 Irritating to respiratory system.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R65 Harmful: may cause lung damage if swallowed.

R66 Repeated exposure may cause skin dryness or cracking.

R67 Vapours may cause drowsiness and dizziness.

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.