

## ***SAFETY DATA SHEET***

*according to 1907/2006/EC, Article 31*

*Revision date: 27.01.2024*

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

#### **Product details**

**Trade name:** *Underbody Protection bitumen*

**Article number:** 37100

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

No further relevant information available.

#### **Sector of Use:**

SU21 Consumer uses: Private households / general public / consumers

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

**Product category:** Paint remover

#### **Process category:**

PROC7 Industrial spraying

PROC11 Non industrial spraying

**Application of the substance / the mixture** Paint

#### **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**



flame

Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated



environment

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



Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

STOT SE 3 H336 May cause drowsiness or dizziness.

**Label elements****Labelling according to Regulation (EC) No 1272/2008**

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

**Hazard pictograms**

GHS02 GHS07 GHS09

**Signal word** Danger**Hazard-determining components of labelling:**

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, &lt;5% n-hexane

Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics

acetone

Hydrocarbons, C9, aromatics

**Hazard statements**

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

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.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

- P260 Do not breathe spray.
- P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
- P501 Dispose of contents / container in accordance with regional regulations.

**Additional information:**

Buildup of explosive mixtures possible without sufficient ventilation.

**Other hazards**

**Results of PBT and vPvB assessment**

**PBT:** Not applicable.

**vPvB:** Not applicable.

**3- COMPOSITION/INFORMATION ON INGREDIENTS**

**Mixtures**

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

<b>Dangerous components:</b>		
EC number: 921-024-6 Reg.nr.: 01-2119475514-35	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n hexane	12.5-<20%
	Flam. Liq. 2, H225, Asp. Tox. 1, H304, Aquatic Chronic 2, H411, Skin Irrit. 2, H315; STOT SE 3, H336	
CAS: 74-98-6 EINECS: 200-827-9 Index number: 601-003-00-5 Reg.nr.: 01-2119486944-21	propane	12.5-<20%
	Flam. Gas 1A, H220 Press. Gas (Comp.), H280	
EC number: 920-750-0 Reg.nr.: 01-2119473851-33	Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics	10-<12.5%
	Flam. Liq. 2, H225, Asp. Tox. 1, H304, Aquatic Chronic 2, H411, STOT SE 3, H336, EUH066	
CAS: 67-64-1 EINECS: 200-662-2 Index number: 606-001-00-8 Reg.nr.: 01-2119471330-49	acetone	10-<12.5%
	Flam. Liq. 2, H225, Eye Irrit. 2, H319; STOT SE 3, H336, EUH066	
CAS: 106-97-8 EINECS: 203-448-7 Index number: 601-004-00-0 Reg.nr.: 01-2119474691-32	butane (containing < 0,1 % butadiene (203-450-8))	5-<10%
	Flam. Gas 1A, H220 Press. Gas (Comp.), H280	

CAS: 75-28-5 EINECS: 200-857-2 Index number: 601-004-00-0 Reg.nr.: 01-2119485395-27	isobutane (containing < 0,1 % butadiene (203-450-8))	5-<10%
	Flam. Gas 1A, H220 Press. Gas (Comp.), H280	
EC number: 918-668-5 Reg.nr.: 01-2119455851-35	Hydrocarbons, C9, aromatics	<2.5%
	Flam. Liq. 3, H226, Asp. Tox. 1, H304, Aquatic Chronic 2, H411, STOT SE 3, H335-H336 EUH066	

**Additional information:**

The content of Benzene (EINECS-Nr. 200-753-7) in the ingredients is less than 0,1% (Note P Annex 1A 1272/2008 EU), so the classification as carcinogen need not to apply.

For the wording of the listed hazard phrases refer to section 16.

**4- FIRST - AID MEASURE**

**Description of first aid measures**

**After inhalation:** In case of unconsciousness place patient stably in side position for transportation.

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

**After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

**After swallowing:** Drink plenty of water and provide fresh air. Call for a doctor immediately.

**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.

**5- FIRE - FIGHTING MEASURE**

**Extinguishing media**

**Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.

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

During heating or in case of fire poisonous gases are produced.

**Advice for firefighters -**

**Protective equipment:** Mouth respiratory protective device.

## 6- ACCIDENTAL RELEASE MEASURE

### Personal precautions, protective equipment and emergency procedures

Mount respiratory protective device.

Wear protective equipment. Keep unprotected persons away.

Keep away from ignition sources.

### Environmental precautions:

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:

Dispose contaminated material as waste according to section 13.

Ensure adequate ventilation.

### 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.

### Information about fire - and explosion protection:

Do not spray onto a naked flame or any incandescent material.

Keep ignition sources away - Do not smoke.

Keep respiratory protective device available.

### Conditions for safe storage, including any incompatibilities

#### Storage:

#### Requirements to be met by storerooms and receptacles:

Observe official regulations on storing packagings with pressurised containers.

**Information about storage in one common storage facility:** Not required.

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

**Storage class:** 2 B

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

## 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

### Control parameters

Ingredients with limit values that require monitoring at the workplace:

67-64-1 acetone		
WEL	Short-term value: 3620 mg/m <sup>3</sup> , 1500 ppm Long-term value: 1210 mg/m <sup>3</sup> , 500 ppm	
106-97-8 butane (containing < 0,1 % butadiene (203-450-8))		
WEL	Short-term value: 1810 mg/m <sup>3</sup> , 750 ppm Long-term value: 1450 mg/m <sup>3</sup> , 600 ppm Carc (if more than 0.1% of buta-1.3-diene)	
<b>DNELs</b>		
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane		
Oral	DNEL	699 mg/kg (Consumer, longterm systemic)
Dermal	DNEL	773 mg/kg (Worker, longterm systemic)
Inhalative	DNEL	699 mg/kg (Consumer, longterm systemic)
	DNEL	2035 mg/m <sup>3</sup> (Worker, longterm systemic)
	DNEL	608 mg/m <sup>3</sup> (Consumer, longterm systemic)
67-64-1 acetone		
Oral	DNEL	62 mg/kg /per day (Consumer, longterm systemic)
Dermal	DNEL	62 mg/kg /per day (Consumer, longterm systemic)
Inhalative	DNEL	186 mg/kg /per day (Worker, longterm systemic)
	DNEL	2420 mg/m <sup>3</sup> (Worker, acute local)
	DNEL	1210 mg/m <sup>3</sup> (Worker, longterm systemic)
	DNEL	200 mg/m <sup>3</sup> (Consumer, longterm systemic)
	DNEL	60 mg/m <sup>3</sup>
Hydrocarbons, C9, aromatics		
Oral	DNEL	11 mg/kg /per day (Consumer, longterm systemic)
Dermal	DNEL	25 mg/kg /per day (Worker, longterm systemic)
Inhalative	DNEL	11 mg/kg /per day (Consumer, longterm systemic)
	DNEL	150 mg/m <sup>3</sup> (Worker, longterm systemic)
	DNEL	32 mg/m <sup>3</sup> (Consumer, longterm systemic)
<b>PNECs</b>		
67-64-1 acetone		
PNEC	10.6 mg/l (Freshwater)	
PNEC	1.06 mg/l (Seawater)	
PNEC	21 mg/l (Sporadic release)	
PNEC	100 mg/l (Sewage treatment plant)	
PNEC	30.4 mg/kg (Freshwater sediment)	
PNEC	3.04 mg/kg (Seawater sediment)	
PNEC	29.5 mg/kg (Soil)	

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

### Exposure controls

- **Appropriate engineering controls:** No further data; see item 7.

**Individual protection measures, such as 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.

Avoid contact with the eyes and skin.

Avoid contact with the eyes.

**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 A2/P3

**Hand protection:** Protective gloves

**Material of gloves**

Butyl rubber, BR

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

**Penetration time of glove material:**

Butyl rubber gloves with a thickness of 0.4 mm are resistant to:

Acetone: 480 min

Butyl acetate: 60 min

Ethyl acetate: 170 min

Xylene: 42 min

Butyl rubber gloves with a thickness of 0.4 mm are solvent resistant for 42- 480 minutes. As protective measure, we recommend that users and responsible persons for work safety assume solvent resistance length of 42 minutes. Considering the data in section 3 of this SDS, one can assume longer resistance length in particular cases.

**Eye/face protection:** Tightly sealed goggles

## 9 – PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

#### General Information:

Physical state	Aerosol
Colour:	Black
Odour:	Solvent-like
Odour threshold:	Not determined.
Melting point/freezing point:	Undetermined.

<b>Boiling point or initial boiling point and boiling range</b>	Not applicable, as aerosol.
<b>Flammability</b>	Not applicable.
<b>Lower and upper explosion limit</b>	
<b>Lower:</b>	0.6 Vol % (Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane)
<b>Upper:</b>	13 Vol % (67-64-1 acetone)
<b>Flash point:</b>	Not applicable, as aerosol.
<b>Ignition temperature:</b>	>200 °C (>392 °F)
<b>Decomposition temperature:</b>	Not determined.
<b>pH</b>	Mixture is non-soluble (in water).
<b>Viscosity:</b>	
<b>Kinematic viscosity</b>	Not determined.
<b>Dynamic:</b>	Not determined.
<b>Solubility</b>	
<b>water:</b>	Not miscible or difficult to mix.
<b>Partition coefficient n-octanol/water (log value)</b>	Not determined.
<b>Vapour pressure at 20 °C (68 °F):</b>	3500 hPa (2625.2 mm Hg)
<b>Density and/or relative density</b>	
<b>Density at 20 °C (68 °F):</b>	0.8 g/cm <sup>3</sup> (6.7 lbs/gal)
<b>Relative density</b>	Not determined.
<b>Vapour density</b>	Not determined.
<b>Other information</b>	
<b>Appearance:</b>	
<b>Form:</b>	Aerosol
<b>Important information on protection of health and environment, and on safety.</b>	
<b>Explosive properties:</b>	Not determined.
<b>Solvent content:</b>	
<b>Organic solvents:</b>	71.4 %
<b>VOC (EC)</b>	---
	545.3 g/l
<b>VOC-EU%</b>	71.38 %
<b>Solids content:</b>	28.6 %
<b>Change in condition</b>	
<b>Evaporation rate</b>	Not applicable.
<b>Information with regard to physical hazard classes:</b>	
<b>Explosives</b>	Void
<b>Flammable gases</b>	Void
<b>Aerosols</b>	Extremely flammable aerosol. Pressurised container: May burst if heated.



Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Void
Flammable solids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
Pyrophoric solids	Void
Self-heating substances and mixtures	Void
Substances and mixtures, which emit flammable gases in contact with water	Void
Oxidising liquids	Void
Oxidising solids	Void
Organic peroxides	Void
Corrosive to metals	Void
Desensitised explosives	Void

## 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:** No dangerous decomposition products known.

## 11- TOXICOLOGICAL INFORMATION

Information on hazard classes as defined in Regulation (EC) No 1272/2008

**Acute toxicity:**

<b>LD/LC50 values relevant for classification:</b>		
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane		
Oral	LD50	>5840 mg/kg (rat)
Dermal	LD50	LD50 >2920 mg/kg (rab)
Inhalative	LC50 / 4h	LC50 / 4h >25.2 mg/l (rat)
67-64-1 acetone		
Oral	LD50	5800 mg/kg (rat)

Dermal	LD50	LD50 >15800 mg/kg (rabbit)
Inhalative	LC50 / 4 h	LC50 / 4h 76 mg/l (rat)
	LC50 / 96 h	5540 mg/l (oncorhynchus mykiss)
Hydrocarbons, C9, aromatics		
Oral	LD50	>5000 mg/kg (rat) (OECD 401)
Dermal	LD50	>2000 mg/kg (rab) (OECD 402)

**Skin corrosion/irritation:** Causes skin irritation.

**Serious eye damage/irritation:** Causes serious eye irritation.

**Respiratory or skin sensitisation:** No sensitising effects known.

**STOT-single exposure:** May cause drowsiness or dizziness.

**Information on other hazards.**

<b>Endocrine disrupting properties</b>
None of the ingredients is listed.

## 12 – ECOLOGICAL INFORMATION

### Toxicity

<b>Aquatic toxicity:</b>	
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane	
EC50 / 48 h)	3 mg/l (daphnia magna)
EC50 / 72 h	30-100 mg/l (algae)
LC50 / 96 h	11.4 mg/l (fish)
67-64-1 acetone	
LC50/96h	8300 mg/l (fish)
EC50/96h	7200 mg/l (algae)
LC50 / 48 h	8450 mg/l (crustacean (water flea))
Hydrocarbons, C9, aromatics	
EC50 / 48 h	302 mg/l (daphnia magna)
EC50 / 72 h	2.75 mg/l (Pseudokirchneriella subcapitata)
EC50 / 96 h	9.2 mg/l (Regenbogenforelle)

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

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

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

**Results of PBT and vPvB assessment:**

**PBT:** Not applicable.

**vPvB:** Not applicable.

**Endocrine disrupting properties:**

The product does not contain substances with endocrine disrupting properties.

Other adverse effects

**Remark:** Toxic for fish

**Additional ecological information:**

**General notes:**

Water hazard class 2 (German Regulation) (Self-assessment): 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.

13- DISPOSAL CONSIDERATION

**Waste treatment methods**

**Recommendation**

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

**Uncleaned packaging:**

**Recommendation:**

Disposal must be made according to official regulations.

14- TRANSPORT INFORMATION

**UN number or ID number**

ADR, IMDG, IATA

UN1950

**UN proper shipping name**

ADR

1950 AEROSOLS, ENVIRONMENTALLY  
HAZARDOUS

IMDG

AEROSOLS, MARINE POLLUTANT

IATA

AEROSOLS, flammable

**Transport hazard class(es)**

ADR



Class

2 5F Gases.

Label 2.1

**IMDG**



Class 2.1 Gases  
Label 2.1

**IATA**



Class 2.1 Gases  
Label 2.1

**Packing group**

ADR, IMDG, IATA not regulated

**Environmental hazards:**

**Marine pollutant:** Yes  
Symbol (fish and tree)

**Special marking (ADR):** Symbol (fish and tree)

**Special precautions for user**

Warning: Gases.

Hazard identification number (Kemler code): -

EMS Number: F-D,S-U

Stowage Code: SW1 Protected from sources of heat.

SW22 For AEROSOLS with a maximum capacity of 1 litre:  
Category A. For AEROSOLS with a capacity above 1 litre:  
Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.

Segregation Code:

SG69 For AEROSOLS with a maximum capacity of 1 litre:  
Segregation as for class 9. Stow "separated from" class 1 except for division 1.4.  
For AEROSOLS with a capacity above 1 litre:  
Segregation as for the appropriate subdivision of class 2.

For WASTE AEROSOLS:

Segregation as for the appropriate subdivision of class 2.

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

Not applicable.

**Transport/Additional information:**

**ADR**

Limited quantities (LQ)

1L

Excepted quantities (EQ)

Code: E0

Not permitted as Excepted Quantity

Transport category

2

Tunnel restriction code

D

**IMDG**

Limited quantities (LQ)

1L

Excepted quantities (EQ)

Code: E0

Not permitted as Excepted Quantity

Code: E0

Not permitted as Excepted Quantity

**UN "Model Regulation":**

UN 1950 AEROSOLS, 2.1, ENVIRONMENTALLY  
HAZARDOUS

## 1.5 – REGULATORY INFORMATION

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

**Poisons Act**

<b>Regulated explosives precursors</b>	
None of the ingredients is listed.	
<b>Regulated poisons</b>	
None of the ingredients is listed.	
<b>Reportable explosives precursors</b>	
67-64-1 acetone	Listed
<b>Reportable poisons</b>	
None of the ingredients is listed.	

**Directive 2012/18/EU**

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

**Seveso category:**

P3a FLAMMABLE AEROSOLS

- E2 Hazardous to the Aquatic Environment  
**Qualifying quantity (tonnes) for the application of lower-tier requirements 150 t**  
**Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t**  
**Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## 16-OTHER INFORMATION

### Relevant phrases

H220 Extremely flammable gas.  
H225 Highly flammable liquid and vapour.  
H226 Flammable liquid and vapour.  
H280 Contains gas under pressure; may explode if heated.  
H304 May be fatal if swallowed and enters airways.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.  
H336 May cause drowsiness or dizziness.  
H411 Toxic to aquatic life with long lasting effects.  
EUH066 Repeated exposure may cause skin dryness or cracking.

### Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
ICAO: International Civil Aviation Organisation  
ADR: Accord relatif au transport international 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 Harmonised 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 (division of the American Chemical Society)  
VOC: Volatile Organic Compounds (USA, EU)  
DNEL: Derived No-Effect Level (UK REACH)  
PNEC: Predicted No-Effect Concentration (UK REACH)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic

- vPvB: very Persistent and very Bioaccumulative
- Flam. Gas 1A: Flammable gases – Category 1A
- Aerosol 1: Aerosols – Category 1
- Press. Gas (Comp.): Gases under pressure – Compressed gas
- Flam. Liq. 2: Flammable liquids – Category 2
- Flam. Liq. 3: Flammable liquids – Category 3
- Skin Irrit. 2: Skin corrosion/irritation – Category 2
- Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
- STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
- Asp. Tox. 1: Aspiration hazard – Category 1
- Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

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.