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Revision: 18.01.2023

# Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 23.01.2023

Version number 72 (replaces version 71)

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

- 1.1 Product identifier
- Trade name: UNDERBODY WAX BROWN
- · Article number: 86159
- · 1.2 Relevant identified uses of the substance or mixture and uses advised against

FOR PROFESSIONAL AND INDUSTRIAL USE ONLY

· Application of the substance / the mixture

Surface protection Anti-corrosion additive

## 1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

KENT (United Kingdom) Ltd Forsyth House

Pitreavie Drive

Pitreavie Business Park

Dunfermline

Fife

KY11 8US

Tel: +44 01383 723344 / 0800 136925 Monday - Thursday 8.30am - 5.30pm, Friday 9.00am - 3.00pm

Fax: +44 1383 620079

SDS@kenteurope.com

1.4 Emergency telephone number:

Tel: +44 01383 723344 During normal office hours - Monday - Thursday 8.30am - 5.30pm, Friday 9.00am - 3.00pm

### SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture
- · Classification according to Regulation (EC) No 1272/2008



flame

Aerosol 1 H222 Extremely flammable aerosol.

H229 Pressurised container: May burst if heated.



Skin Irrit. 2 H3

H315 Causes skin irritation.

STOT SE 3

H336 May cause drowsiness or dizziness.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

- 2.2 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

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

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclic, <2% aromatics

Hazard statements

H222 Extremely flammable aerosol.

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#### Trade name: UNDERBODY WAX - BROWN

H229 Pressurised container: May burst if heated.

H315 Causes skin irritation.

H336 May cause drowsiness or dizziness.

H412 Harmful to aquatic life with long lasting effects.

#### Precautionary statements

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 mist/vapours/spray.
P280 Wear protective gloves / eye protection.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

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

#### 2.3 Other hazards

#### · Results of PBT and vPvB assessment

· **PBT:** Not applicable. · **vPvB:** Not applicable.

# SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

· Description: Mixture of the substances listed below with harmless additions.

Dangerous components	5:	
CAS: 74-98-6 EINECS: 200-827-9	Propane liquefied  Stant. Gas 1A, H220	10-25%
CAS: 75-28-5 EINECS: 200-857-2 Reg.nr.: 01-2119485395-27	Isobutane      Flam. Gas 1A, H220; Press. Gas (Comp.), H280	10-25%
CAS: 106-97-8 EINECS: 203-448-7	butane � Flam. Gas 1A, H220	10-25%
	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane  ♦ Flam. Liq. 2, H225; ♦ Asp. Tox. 1, H304; ♦ Aquatic Chronic 2, H411; ♦ Skin Irrit. 2, H315; STOT SE 3, H336	10-25%
	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclic, <2% aromatics ♦ Flam. Liq. 3, H226; ♦ Asp. Tox. 1, H304; ♦ STOT SE 3, H336	10-25%
CAS: 68608-26-4 Reg.nr.: 01-2119527859-22	Sodium Sulfonate	<3%
CAS: 61789-77-3 EINECS: 263-087-6 Reg.nr.: 01-2119486994-16	Quaternary ammonium compounds, dicocoalkyldimethyl, chlorides  Skin Corr. 1B, H314; Aquatic Acute 1, H400; Aquatic Chronic 2, H411; Acute Tox. 4, H302	<1%

#### · Additional information

Note P is applicable for the product on one or more of its components. Benzene concentration is <0.1% (w/w%) For the wording of the listed hazard phrases refer to section 16.

# SECTION 4: First aid measures

# 4.1 Description of first aid measures

## After inhalation

Take affected persons into the open air and position comfortably

In case of unconsciousness bring patient into stable side position for transport.

#### After skin contact

Instantly remove any clothing soiled by the product.

If skin irritation continues, consult a doctor.

- · After eye contact Rinse opened eye for several minutes under running water.
- · After swallowing In case of persistent symptoms consult doctor.
- · 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
- 4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

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### **SECTION 5: Firefighting measures**

### 5.1 Extinguishing media

Suitable extinguishing agents CO2, extinguishing powder or water haze. Fight larger fires with water haze or alcohol-resistant foam.

5.2 Special hazards arising from the substance or mixture Formation of poisonous gases during heating or in fires.

### 5.3 Advice for firefighters

#### · Protective equipment:

Do not inhale explosion gases or combustion gases.

Put on breathing apparatus.

#### Additional information

Cool endangered containers with water spray jet.

Collect contaminated fire fighting water separately. It must not enter drains.

### SECTION 6: Accidental release measures

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

Keep away from ignition sources

Ensure adequate ventilation

Put on breathing apparatus.

Wear protective equipment. Keep unprotected persons away.

### 6.2 Environmental precautions:

Do not allow to enter drainage system, surface or ground water.

Inform respective authorities in case product reaches water or sewage system.

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

Dispose of contaminated material as waste according to item 13.

Ensure adequate ventilation.

#### 6.4 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 information on disposal.

## SECTION 7: Handling and storage

# · 7.1 Precautions for safe handling Ensure good ventilation/exhaustion at the workplace.

# Information about protection against explosions and fires:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.

Do not spray on flames or red-hot objects.

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

Storage

# Requirements to be met by storerooms and containers:

Store in cool location.

Observe official regulations on storing packagings with pressurised containers.

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

#### · Further information about storage conditions:

Protect from heat and direct sunlight.

Store container in a well ventilated position.

· **Storage class** 2 B

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

### SECTION 8: Exposure controls/personal protection

## 8.1 Control parameters

### Components with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

#### · DNELs

#### Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

Oral Long term systemic effect 699 mg/kg bw/day (Consumer)

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Dermal	Long term systemic effect	699 mg/kg bw/day (Consumer)	٦
		773 mg/kg bw/day (Worker)	
Inhalative	Long term systemic effect	608 mg/m3 (Consumer)	
		2,035 mg/m3 (Worker)	
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclic, <2% aromatics			٦
Dermal	Long term systemic effect	208 mg/kg bw/dy (Worker)	٦
Inhalative	Long term systemic effect	871 mg/m3 (Worker)	

Additional information: The lists that were valid during the compilation were used as basis.

### 8.2 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 food.

Take off immediately all contaminated clothing

Wash hands during breaks and at the end of the work.

Do not inhale gases / fumes / aerosols.

Avoid contact with the skin.

Avoid contact with the eyes and skin.

### Breathing equipment:

Only during spraying without adequate removal by suction.

Filter AX (EN 14387)

#### Hand protection



Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

# Material of gloves

Wear suitable gloves tested to EN 374

Nitrile rubber, NBR

Recommended thickness of the material: ≥ 0.12 mm

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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Not applicable, as aerosol

Not applicable.

# Penetration time of glove material

Value for the permeation: Level 6 > 480 minutes

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye/face protection



Safety glasses (EN 166)

· Body protection: Protective work clothing (EN-13034/6)

# SECTION 9: Physical and chemical properties

## 9.1 Information on basic physical and chemical properties

· General Information

· Physical state Aerosol · Colour: Brown · Odour: Characteristic · Odour threshold: Not determined. Melting point/freezing point: Not determined

Boiling point or initial boiling point and boiling range

· Flammability

Lower and upper explosion limit

· Lower: 0.6 Vol % · Upper: 10.9 Vol %

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· Flash point: Not applicable, as aerosol

· Ignition temperature: >200 °C Decomposition temperature:

Not determined.

· pH Mixture is non-polar/aprotic.

· Viscosity:

Kinematic viscosity Not determined. · dynamic at 20 °C: 3750 mPas

Solubility

· Water: Fully miscible · Partition coefficient n-octanol/water (log value) Not determined. · Vapour pressure at 20 °C: 8300 hPa

Density and/or relative density

Density at 20 °C 0.704 g/cm3 (DIN 51757) · Relative density Not determined. · Vapour density Not determined.

9.2 Other information

· Appearance:

· Form: Aerosol

Important information on protection of health and environment, and on safety.

Self-inflammability: Product is not selfigniting.

Explosive properties: Not determined.

Solvent content:

Organic solvents: 540 g/I VOC Solids content: 22.5 % (DIN 53216)

· Change in condition

Evaporation rate Not applicable.

· Information with regard to physical hazard classes

 Explosives Void · Flammable gases Void

· Aerosols 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

## SECTION 10: Stability and reactivity

- · 10.1 Reactivity No further relevant information available.
- 10.2 Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- 10.3 Possibility of hazardous reactions No dangerous reactions known
- 10.4 Conditions to avoid No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.
- 10.6 Hazardous decomposition products:

Formation of toxic gases is possible during heating or in case of fire.

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Carbon monoxide and carbon dioxide

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# **SECTION 11: Toxicological information**

- 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008
- · Acute toxicity Based on available data, the classification criteria are not met.

· LD/LC50	· LD/LC50 values that are relevant for classification:				
74-98-6 Pı	74-98-6 Propane liquefied				
	ErC 50	19.37 mg/l (Algae) (96 hr)			
75-28-5 Is	obutane				
ErC 50 19.37 mg/l (Algae)					
106-97-8 k	outane				
Inhalative	Inhalative LC50 (4 hr) 658 mg/l (Rat)				
	ErC 50	19.37 mg/l (Algae) (96 hr)			
Hydrocarl	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane				
Oral	LD50	>5,840 mg/kg (Rat)			
Dermal	LD50	>2,920 mg/kg (Rabbit)			
Inhalative	Inhalative LC50 (4 hr) >25.2 mg/l (Rat)				
Hydrocarl	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclic, <2% aromatics				
Oral	LD50	>5,000 mg/kg (Rat)			
Dermal	LD50	>3,000 mg/kg (Rabbit)			
68608-26-	4 Sodium S	ulfonate			
Oral	LD50	>6,000 mg/kg (RAT)			

- Skin corrosion/irritation Causes skin irritation.
- · STOT-single exposure May cause drowsiness or dizziness.
- 11.2 Information on other hazards
- · Endocrine disrupting properties

None of the ingredients is listed.

# SECTION 12: Ecological information

12.1 Toxicity

· Aquatic toxicity:			
74-98-6 Propane	74-98-6 Propane liquefied		
EC50 (48 hr) 69.43 mg/l (Daphnia magna)			
LC50 (96 hr)	49.9 mg/l (Fish)		
75-28-5 Isobutar	ne		
EC50 (48 hr)	69.43 mg/l (Daphnia magna)		
LC50 (96 hr)	91.42 mg/l (Fish)		
106-97-8 butane			
EC50 (48 hr)	69.43 mg/l (Daphnia magna)		
LC50 (96 hr)	LC50 (96 hr) 49.9 mg/l (Fish)		
Hydrocarbons,	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane		
EL50 (48 hr)	3 mg/l (Daphnia magna)		
EL50 (72 hr)	30-100 mg/l (Pseudokirchneriella subcapitata)		
LL50	11.4 mg/l (Oncorhynchus mykiss) (96 hr)		
LOEC (21 days)	0.32 mg/l (Daphnia magna)		
NOEC (21 days)	0.17 mg/l (Daphnia magna)		
NOELR	3 mg/l (Pseudokirchneriella subcapitata) (72 hr)		
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclic, <2% aromatics			
EL50 (72 hr)	>1,000 mg/l (Pseudokirchneriella subcapitata)		
ELO (48 hr)	1,000 mg/l (Daphnia magna)		
LL50 (96 hr)	>1,000 mg/l (Oncorhynchus mykiss)		
NOELR	100 mg/l (Pseudokirchneriella subcapitata) (72 hrs)		

12.2 Persistence and degradability No further relevant information available.

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- · 12.3 Bioaccumulative potential No further relevant information available.
- · 12.4 Mobility in soil No further relevant information available.
- 12.5 Results of PBT and vPvB assessment
- · PBT: Not applicable.
- · vPvB: Not applicable.
- 12.6 Endocrine disrupting properties The product does not contain substances with endocrine disrupting properties.
- 12.7 Other adverse effects
- · Remark: Harmful to fish
- · Additional ecological information:
- General notes:

Water danger class 3 (German Regulation) (Self-assessment): extremely hazardous for water.

Do not allow product to reach ground water, water bodies or sewage system, even in small quantities.

Danger to drinking water if even extremely small quantities leak into soil.

Harmful to aquatic organisms

### **SECTION 13: Disposal considerations**

- 13.1 Waste treatment methods
- Recommendation Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

UN1950

- Uncleaned packagings:
- · Recommendation: Disposal must be made according to official regulations.
- Recommended cleaning agent: Water, if necessary with cleaning agent.

•	14.1	UN	number	or ID	number
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· ADR, IMDG, IATA

14.2 UN proper shipping name

· ADR 1950 AEROSOLS ·IMDG **AEROSOLS** · IATA AEROSOLS, flammable

14.3 Transport hazard class(es)

· ADR





·Class 2 5F Gases. Label 2.1

· IMDG, IATA



· Class 2.2 Gases. Label 2.1

· 14.4 Packing group

· ADR, IMDG, IATA Void

14.5 Environmental hazards:

· Marine pollutant:

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

14.6 Special precautions for user Warning: Gases.

· Kemler Number:

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· 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.

· 14.7 Maritime	transport in	bulk ac	cording	to IMO
inatrumanta				

Not applicable. instruments

· Transport/Additional information:

· ADR

· Limited quantities (LQ) 11 Excepted quantities (EQ) Code: E0

Not permitted as Excepted Quantity · Transport category

· Tunnel restriction code Ε

· Limited quantities (LQ) 1L Excepted quantities (EQ)

Not permitted as Excepted Quantity

· UN "Model Regulation": UN 1950 AEROSOLS, 2.1

## **SECTION 15: Regulatory information**

- 15.1 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.
- · Seveso category P3a FLAMMABLE AEROSOLS
- Qualifying quantity (tonnes) for the application of lower-tier requirements 150 t
- Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t
- · National regulations
- · Technical instructions (air):

Class	Share in %
NK	32.0

- · Water hazard class: Water danger class 3 (Self-assessment): extremely hazardous for water.
- 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

#### SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

## 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.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H400 Very toxic to aquatic life.

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H411 Toxic to aquatic life with long lasting effects.

· Department issuing data specification sheet: Environment protection department

Abbreviations and acronyms:

RID: (Regulations Concerning the International Transport of Dangerous Goods by Rail) ICAO: International Civil Aviation Organisation

ADR: 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)

CAS: Chemical Abstracts Service (division of DNEL: Derived No-Effect Level (UK REACH) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic

PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Flam. Gas 1A: Flammable gases – Category 1A
Aerosol 1: Aerosols – Category 1
: Aerosols – Category 3
Press. Gas (Comp.): Gases under pressure – Compressed gas
Flam. Liq. 2: Flammable liquids – Category 2
Flam. Liq. 3: Flammable liquids – Category 3
Acute Tox. 4: Acute toxicity – Category 4
Skin Corr. 1B: Skin corrosion/irritation – Category 1B
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
Aso. Tox. 1: Aspiration hazard – Category 1

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

Data compared to the previous version altered. \*

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