

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 23.01.2023

Version number 77 (replaces version 76)

Revision: 13.01.2023

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

#### 1.1 Product identifier

Trade name: **UNDERBODY WAX - BLACK**

Article number: 86158

#### 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

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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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:**

CAS: 74-98-6 EINECS: 200-827-9	Propane liquefied ⚠ Flam. 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%
EC number: 921-024-6 Reg.nr.: 01-2119475514-35	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%
EC number: 919-857-5 Reg.nr.: 01-2119463258-33	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 ⚠ Eye Irrit. 2, H319	<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** CO<sub>2</sub>, 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, &lt;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) 773 mg/kg bw/day (Worker)
Inhalative	Long term systemic effect	608 mg/m3 (Consumer) 2,035 mg/m3 (Worker)
<b>Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclic, &lt;2% aromatics</b>		
Dermal	Long term systemic effect	208 mg/kg bw/dy (Worker)
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:  $\geq 0.12$  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.

#### · **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:**

Black

##### · **Odour:**

Characteristic

##### · **Odour threshold:**

Not determined.

##### · **Melting point/freezing point:**

Not determined

##### · **Boiling point or initial boiling point and boiling range**

Not applicable, as aerosol

##### · **Flammability**

Not applicable.

##### · **Lower and upper explosion limit**

##### · **Lower:**

0.6 Vol %

##### · **Upper:**

10.9 Vol %

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· <b>Flash point:</b>	Not applicable, as aerosol
· <b>Ignition temperature:</b>	> 200 °C
· <b>Decomposition temperature:</b>	Not determined.
· <b>pH</b>	Mixture is non-polar/aprotic.
· <b>Viscosity:</b>	
· <b>Kinematic viscosity</b>	Not determined.
· <b>dynamic at 20 °C:</b>	4000 mPas
· <b>Solubility</b>	
· <b>Water:</b>	Fully miscible
· <b>Partition coefficient n-octanol/water (log value)</b>	Not determined.
· <b>Vapour pressure at 20 °C:</b>	8300 hPa
· <b>Density and/or relative density</b>	
· <b>Density at 20 °C</b>	0.682 g/cm <sup>3</sup> (DIN 51757)
· <b>Relative density</b>	Not determined.
· <b>Vapour density</b>	Not determined.

**9.2 Other information**

· <b>Appearance:</b>	
· <b>Form:</b>	Aerosol
· <b>Important information on protection of health and environment, and on safety.</b>	
· <b>Self-inflammability:</b>	Product is not selfigniting.
· <b>Explosive properties:</b>	Not determined.
· <b>Solvent content:</b>	
· <b>Organic solvents:</b>	540 g/l VOC
· <b>Solids content:</b>	22 % (DIN 53216)
· <b>Change in condition</b>	
· <b>Evaporation rate</b>	Not applicable.

**Information with regard to physical hazard classes**

· <b>Explosives</b>	Void
· <b>Flammable gases</b>	Void
· <b>Aerosols</b>	Extremely flammable aerosol. Pressurised container: May burst if heated.
· <b>Oxidising gases</b>	Void
· <b>Gases under pressure</b>	Void
· <b>Flammable liquids</b>	Void
· <b>Flammable solids</b>	Void
· <b>Self-reactive substances and mixtures</b>	Void
· <b>Pyrophoric liquids</b>	Void
· <b>Pyrophoric solids</b>	Void
· <b>Self-heating substances and mixtures</b>	Void
· <b>Substances and mixtures, which emit flammable gases in contact with water</b>	Void
· <b>Oxidising liquids</b>	Void
· <b>Oxidising solids</b>	Void
· <b>Organic peroxides</b>	Void
· <b>Corrosive to metals</b>	Void
· <b>Desensitised explosives</b>	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 values that are relevant for classification:****74-98-6 Propane liquefied**

ErC 50 19.37 mg/l (Algae) (96 hr)

**75-28-5 Isobutane**

ErC 50 19.37 mg/l (Algae)

**106-97-8 butane**

Inhalative LC50 (4 hr) 658 mg/l (Rat)

ErC 50 19.37 mg/l (Algae) (96 hr)

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

Oral LD50 &gt;5,840 mg/kg (Rat)

Dermal LD50 &gt;2,920 mg/kg (Rabbit)

Inhalative LC50 (4 hr) &gt;25.2 mg/l (Rat)

**Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclic, <2% aromatics**

Oral LD50 &gt;5,000 mg/kg (Rat)

Dermal LD50 &gt;3,000 mg/kg (Rabbit)

**68608-26-4 Sodium Sulfonate**

Oral LD50 &gt;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 liquefied**

EC50 (48 hr) 69.43 mg/l (Daphnia magna)

LC50 (96 hr) 49.9 mg/l (Fish)

**75-28-5 Isobutane**

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) 49.9 mg/l (Fish)

**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) &gt;1,000 mg/l (Pseudokirchneriella subcapitata)

ELO (48 hr) 1,000 mg/l (Daphnia magna)

LL50 (96 hr) &gt;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.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleaning agent:** Water, if necessary with cleaning agent.

### SECTION 14: Transport information

- |   |                        |
|---|------------------------|
| · <b>14.1 UN number or ID number</b>  |                        |
| · <b>ADR, IMDG, IATA</b>  | UN1950                 |
| · <b>14.2 UN proper shipping name</b>   |                        |
| · <b>ADR</b>  | 1950 AEROSOLS          |
| · <b>IMDG</b>   | AEROSOLS               |
| · <b>IATA</b>   | AEROSOLS, flammable    |
| · <b>14.3 Transport hazard class(es)</b>  |                        |
| · <b>ADR</b>  |                        |
|   |                        |
| · <b>Class</b>  | 2 5F Gases.            |
| · <b>Label</b>  | 2.1                    |
| · <b>IMDG, IATA</b>   |                        |
|    |                        |
| · <b>Class</b>  | 2.2 Gases.             |
| · <b>Label</b>  | 2.1                    |
| · <b>14.4 Packing group</b>   |                        |
| · <b>ADR, IMDG, IATA</b>  | Void                   |
| · <b>14.5 Environmental hazards:</b>  |                        |
| · <b>Marine pollutant:</b>  | Yes                    |
| · <b>Special marking (ADR):</b>   | Symbol (fish and tree) |
| · <b>14.6 Special precautions for user</b>  |                        |
| · <b>Kemler Number:</b>   | -                      |

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· <b>EMS Number:</b>	F-D,S-U
· <b>Stowage Code</b>	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.
· <b>Segregation Code</b>	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.
· <b>14.7 Maritime transport in bulk according to IMO instruments</b>	Not applicable.
· <b>Transport/Additional information:</b>	
· <b>ADR</b>	
· <b>Limited quantities (LQ)</b>	1L
· <b>Excepted quantities (EQ)</b>	Code: E0 Not permitted as Excepted Quantity
· <b>Transport category</b>	3
· <b>Tunnel restriction code</b>	E
· <b>IMDG</b>	
· <b>Limited quantities (LQ)</b>	1L
· <b>Excepted quantities (EQ)</b>	Code: E0 Not permitted as Excepted Quantity
· <b>UN "Model Regulation":</b>	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)  
 DNEL: Derived No-Effect Level (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  
   : 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  
 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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