

SAFETY DATA SHEET

CAMO INSECT REPELLENT ROLL-ON

Date: 16/04/2025 - Version No 1.0

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product name: CAMO INSECT REPELLENT ROLL-ON
UFI No: YK00-V0H9-1009-PEHS

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the mixture: Ready-to-use insect repellent roll-on for use on human skin.
Use advised against: Not for children below 3 months.

1.3 Details of the supplier of the safety data sheet

Supplier: Camo Brands Ltd
Unit 1, 27 Ackmar Road
London, SW64UR, UK
Telephone: +44 (0) 7882219289
Email: contact@camoprotect.com

EU supplier: Camo Brands (EU) Limited
Office 2, Lower Main Street, Lucan
K78X5P8 Dublin, Ireland
Email: contact@camoprotect.com

1.4 Emergency telephone number

Camo Brands Ltd: +44 (0) 7882219289 (Monday-Friday, office working hours 9 am - 5 pm)
Irish National Poison Centre: 01 809 2166

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP).
Eye Irritant 2, H319

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP).

Signal words: Warning

Pictograms:



GHS07

Hazards statements: H319: Causes serious eye irritation.

Precautionary statements:

P102: Keep out of reach of children.
P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P301+P314: IF SWALLOWED: Get medical advice/attention if you feel unwell.

SAFETY DATA SHEET

CAMO INSECT REPELLENT ROLL-ON

Date: 16/04/2025 - Version No 1.0

P501: Dispose of container/contents in accordance with local regulation.

Supplemental hazard statement:

EUH 208: Contains citronellol, citronellal, eucalyptol, linalool and limonene.
May produce an allergic reaction

2.3 Other hazards

This product contains no PBT/vPvB substances above 0,1% in accordance with REACH Annex XIII.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

The product is a mixture.

3.2 Mixtures

Substance name	CAS No EC No	REACH status	Classification according to CLP	Conc. (%)
Eucalyptus citriodora oil, hydrated, cyclised (EC oil (H/C))	1245629-80-4 Not applicable	Exempt*	Eye Irrit. 2, H319	30
Isohexadecane	93685-80-4 297-628-2	2119486102- 45-XXXX	Acute Tox. 4, H332 (ATE 11 mg/l) Asp. Tox. 1, H304	5 - <10
Octadecan-1-ol, ethoxylated, < 2.5 EO	9005-00-9 500-017-8	01- 2119977092- 34-XXXX	Aquatic Chronic 2, H411	1 - 2

For the full text of the H-Statements mentioned in this Section, see Section 16.

* The substance is exempt from REACH registration as it is already registered under the Biocidal Product Regulation No 528/2012.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General measures: If you feel unwell, seek medical advice. Have product container or label at hand.

After inhalation: Take the person into the open air. Get medical attention if any discomfort continues.

After ingestion: Rinse mouth thoroughly with water. Do not induce vomiting. Seek medical attention if symptoms persist.

After skin contact: In case of skin reaction or irritation, stop use of product. Wash skin with water and soap. Seek medical attention if symptoms persist.

After eye contact: Immediately rinse eyes cautiously with water for at least 15 minutes while keeping the eyelids wide open. Remove contact lenses, if present and easy to do. Continue rinsing. Consult an eye specialist if irritation persists.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation: May cause nausea, headache, dizziness.

Ingestion: May cause discomfort if swallowed.

SAFETY DATA SHEET

CAMO INSECT REPELLENT ROLL-ON

Date: 16/04/2025 - Version No 1.0

Skin: May cause an allergic reaction: redness, swelling, itchy skin, rash.
Eyes: May cause irritation, tears, redness, swelling.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically. Clear water point and eyewash station recommended at the workplace.

SECTION 5: FIRE FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: dry powder, alcohol resistant foam, carbon dioxide.

Unsuitable extinguishing media: water jet

5.2 Special hazards arising from substance or mixture

In case of fire, do not breath fumes. Decomposition products may include CO and CO₂.

5.3 Advice for firefighters

Firefighting instructions: exercise caution when fighting any fire. Prevent human exposure to fire, fumes, smoke, and products of combustion.

Protection during firefighting: do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment as per Section 8.

6.2 Environmental precautions

Avoid release into the environment.

6.3 Methods and material for containment and cleaning up

Stop leak if possible without risk. Absorb with sand or other inert absorbent. Collect in containers and seal securely. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Discard according to local regulation.

6.4 Reference to other sections

See sections 7, 8, 12 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Wear personal protective equipment as per Section 8. Avoid contact with eyes. Wash hands with mild soap and water after use and before eating, drinking, or smoking.

7.2 Conditions for safe storage including any incompatibilities

Keep in original packaging tightly closed. Store in dry place at temperature not exceeding 35°C. Keep away from direct sunlight. Keep away from heat, sparks and open flames. Keep out of reach of children.

Recommended packaging: same type as original packaging.

Unsuitable packaging: none known.

SAFETY DATA SHEET

CAMO INSECT REPELLENT ROLL-ON

Date: 16/04/2025 - Version No 1.0

7.3 Specific end use(s)

Refer to section 1.2 and product label.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

There are no known National Occupational Exposure limits (OEL) for the substances in this product.

8.2 Exposure controls

8.2.1 Appropriate Engineering Control Measures:

None required under normal conditions of use.

8.2.2 Individual protection measures, such as personal protective equipment

Hand protection: Not required. Gloves recommended (EN 374, nitrile rubber) for industrial handling, mostly in case of transfer or expected splashes.

Eye protection: Not required. Safety glasses or goggles recommended (EN 166) for industrial handling, mostly in case of transfer or expected splashes.

Skin, body protection: Not required. Protective clothing recommended for industrial handling, mostly in case of transfer or expected splashes.

Respiratory protection: Not required. Normal room ventilation.

Thermal hazards: See sections 6 and 7.

Hygiene measures: For industrial handling, handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes.

8.2.3 Environmental exposure controls

Do not discard into the environment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	Glossy emulsion
Colour	White
Odour	Citrus
Melting point/freezing point	No data available
Boiling point/initial boiling point/boiling range	No data available. EC oil (H/C): 267 °C at 103630 Pa ²
Flammability	Non flammable
Lower and upper explosion limit	No data available
Flash point	No data available. EC oil (H/C): 92 °C
Autoignition temperature	No data available. EC oil (H/C): >200 °C
Decomposition temperature	No data available. EC oil (H/C): >150 °C
pH	5-7
Kinematic viscosity	25900-79400 mm ² /s at 20°C
Solubility	Emulsifiable in water
Partition coefficient: n-octanol/water (log value)	No data available. EC oil (H/C): log pow 1.9 ²
Vapour pressure	No data available. EC oil (H/C): 0.0638 Pa at 25 °C
Density and/or relative density	0.945-0.965 g/mL at 20°C
Relative vapour density	No data available

SAFETY DATA SHEET

CAMO INSECT REPELLENT ROLL-ON

Date: 16/04/2025 - Version No 1.0

Particle characteristics

Not applicable (the product is an emulsion)

9.2 Other information

No other information available.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

No reactivity expected under normal handling and storage conditions recommended in section 7.

10.2 Chemical stability

Considered stable under normal handling and storage conditions recommended in section 7.

10.3 Possibility of hazardous reactions

Under handling and storage conditions recommended in section 7, no hazardous reaction.

10.4 Conditions to avoid

None under recommended storage and handling conditions recommended in section 7.

10.5 Incompatible materials

Oxidising agents.

10.6 Hazardous decomposition products

Under handling and storage conditions recommended in section 7, no hazardous decomposition products. See section 5 for combustion products.

SECTION 11: TOXICOLOGICAL INFORMATION

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

Acute Toxicity:

No experimental test data available for the mixture.

Based on available data, the classification criteria are not met. An acute toxicity estimate (ATE) of the inhalation toxicity has been calculated. Since the value of this ATE is > 5, the product is not classified with regards to inhalation toxicity.

EC oil (H/C):

LD50 (oral, rat) mg/kg: > 2000 OECD 401.

LD50 (dermal, rat) mg/kg: > 2000 OECD 402.

LC50 (inhalation) mg/l/4h: 10.4 (calculated).

Isohexadecane

LD50 (oral, rat): >36,600 mg/kg (literature)

LC50 (inhalation, rat): 1.73 mg/l 4h (literature)

Octadecan-1-ol, ethoxylated, < 2.5 EO

LD50 (oral, rat): >21,000 mg/kg

LD50 (dermal): >2000mg/kg (based on similar substances OECD 401)

Skin Corrosion/Irritation:

No experimental test data available for the mixture.

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

SAFETY DATA SHEET

CAMO INSECT REPELLENT ROLL-ON

Date: 16/04/2025 - Version No 1.0

EC oil (H/C): mild irritant to rabbit skin OECD 404.

Isohexadecane: may cause skin irritation in susceptible persons

Octadecan-1-ol, ethoxylated, < 2.5 EO: slight irritation OECD 404

Serious Eye Damage/Irritation:

No experimental test data available for the mixture.

Based on available data, causes serious eye irritation.

EC oil (H/C): moderate irritant to rabbit eyes OECD 405.

Octadecan-1-ol, ethoxylated, < 2.5 EO: slight irritation OECD 405.

Respiratory or Skin Sensitization:

No experimental test data available for the mixture.

Based on available data, the classification criteria are not met. Contains citronellol, citronellal, eucalyptol, linalool and limonene. May produce an allergic reaction.

EC oil (H/C): sensitisation (guinea pig) - negative OECD 406.

Octadecan-1-ol, ethoxylated, < 2.5 EO: non sensitiser (based on similar substances) OECD 406.

Germ Cell Mutagenicity:

No experimental test data available for the mixture.

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

EC oil (H/C): no evidence of genotoxicity OECD 471, OECD 473, OECD 474

Octadecan-1-ol, ethoxylated, < 2.5 EO: Negative (based on similar substances) OECD 471, OECD 476, OECD 473.

Carcinogenicity:

No experimental test data available for the mixture.

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

Reproductive Toxicity:

No experimental test data available for the mixture.

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

EC oil (H/C): no evidence of reproductive effects OPPTS 870.3800

STOT-Single Exposure:

No experimental test data available for the mixture.

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

STOT-Repeated Exposure:

No experimental test data available for the mixture.

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

Aspiration Hazard:

No experimental test data available for the mixture.

Based on available data and viscosity of the product., the classification criteria are not met.

Isohexadecane: classified as an aspiration hazard due to being a low viscosity alkane.

11.2 Information on other hazards

Endocrine disrupting properties: the mixture does not contain substances considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SAFETY DATA SHEET

CAMO INSECT REPELLENT ROLL-ON

Date: 16/04/2025 - Version No 1.0

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

No experimental test data available for the mixture. Based on available data, the classification criteria are not met.

EC oil (H/C):

Toxicity - Aquatic invertebrates EC50 (*Daphnia magna*): >26mg/L (48 hours) OECD 202.

NOELR_{repro} (*Daphnia magna*, 21 days): 4.00 mg/L OECD 211

LOELR_{repro} (*Daphnia magna*, 21 days): 10.00 mg/L OECD 211

Toxicity - Fish LC50: > 35 mg/L (96 hours) (*Danio rerio*) OECD 203.

Toxicity - Algae IC50: > 37 mg/L (72 hours) (*Pseudokirchneriella*) OECD 201.

Isohexadecane:

Toxicity - Fish LC50 (fish): > 100 mg/L (*Danio rerio*)

Octadecan-1-ol, ethoxylated, < 2.5 EO:

Toxicity - Fish LC50: 8.15mg/L (96 hours) (*Pimephales promelas*)

Toxicity - Fish LC50 >100 mg/L (96 hours) (*Oncorhynchus mykiss*)

Toxicity - Aquatic invertebrates EC50 (*Daphnia magna*): 0.32mg/L (48 hours) OECD 202

Toxicity - Aquatic invertebrates EC20 (*Daphnia magna*): 0.0542mg/L (21 days) QSAR

12.2 Persistence and degradability

No information available.

EC oil (H/C): readily biodegradable OECD 301F.

Isohexadecane: inherently biodegradable (literature)

Octadecan-1-ol, ethoxylated, < 2.5 EO: readily biodegradable OECD 301F, 301B

12.3 Bioaccumulative potential

No information available.

EC oil (H/C): low potential for bioaccumulation. The substance is readily metabolised in the human body and by other higher organisms. Low estimated bioconcentration/ accumulation tendencies predicted by QSAR for the major components of Eucalyptus citriodora oil, hydrated, cyclized are likely to be further offset by the amenability of those substances to biodegradation by microorganisms in the aquatic and terrestrial.

Component	Bioconcentration factor (BCFWIN)
<i>p</i> -Menthane-3,8-diol	11.47
Isopulegol	79.13
Citronellal	177.5
Citronellol	204.5

Isohexadecane: bioaccumulation is unlikely (literature)

Octadecan-1-ol, ethoxylated, < 2.5 EO: bioaccumulation is unlikely.

12.4 Mobility in soil

Not applicable to mixtures.

12.5 Results of PBT and vPvB assessment

Not applicable to mixtures. No PBT/vPvB substances in the mixture.

SAFETY DATA SHEET

CAMO INSECT REPELLENT ROLL-ON

Date: 16/04/2025 - Version No 1.0

12.6 12.6 Endocrine disrupting properties

The mixture does not contain substances considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

12.7 Other adverse effects

No additional information available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Dispose in a safe manner in accordance with local/national regulations.

Unused packaging: discard according to the local regulations. Do not discharge product in sewage and drainage systems which lead to waterways.

Suggested European Waste Code according to Commission Decision 2000/532/EC: 07 04 99.

Contaminated packaging: waste product and worn-out packages must be discarded according to the local regulations as hazardous waste.

Suggested European Waste Code according to Commission Decision 2000/532/EC: 15 01 10.

SECTION 14: TRANSPORT INFORMATION

This product is not classified as hazardous for transport.

14.1 UN Number or ID Number

Not applicable

14.2 UN proper shipping name

Not applicable

14.3 Transport hazard class(es)

Not applicable

14.4 Packing group

Not applicable

14.5 Environmental hazards

Not classified.

14.6 Special precautions for user

Not applicable

14.7 Maritime transport in bulk according to IMO instruments

Not applicable to packaged products.

SAFETY DATA SHEET

CAMO INSECT REPELLENT ROLL-ON

Date: 16/04/2025 - Version No 1.0

SECTION 15: REGULATORY INFORMATION

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

This Safety Data Sheet is provided in compliance with EU REACH Regulation (EC) No 1907/2006, as amended by Regulation (EU) 2020/878.

The Camo Insect Repellent Roll-on is a biocidal product according to the Regulation (EU) No 528/2012 of the European Parliament and of the Council of 22 May 2012 concerning the making available on the market and use of biocidal products.

15.2 Chemical safety assessment

A chemical safety assessment has not been performed.

SECTION 16: OTHER INFORMATION

Key literature references and sources for data: supplier's SDS and ECHA C&L website. Calculation based on the hazards of the known components.

Abbreviation explanations:

- PBT: Persistent, Bioaccumulative and Toxic
- CLP: Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
- vPvB: Very Persistent and Very Bioaccumulative
- Skin Irrit. 2: irritant to skin category 2
- Acute Tox. 4: acute toxicity category 4
- Asp. Tox. 1: aspiration toxicity category 1

Full text of Hazard- and EU Hazard-statements:

- H304: May be fatal if swallowed and enters airways
- H319: Causes serious eye irritation
- H332: Harmful if inhaled
- H400: Very toxic to aquatic life.
- H411: Toxic to aquatic life with long lasting effects.

Version: 1.0

This Safety Data Sheet is provided for general information only. This information is based on our current knowledge. NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, IS MADE CONCERNING THE INFORMATION HEREIN PROVIDED. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information nor do we offer warranty against patent infringement.

END OF DOCUMENT – NUMBER OF PAGES 9