



SAFETY DATA SHEET

according to Commission Regulation (EU) 2020/878 as amended

MEDO Pump Spray Coconut

| | | | |
|---------------|--------------------|---------|-----|
| Creation date | 18th July 2018 | Version | 4.0 |
| Revision date | 27th November 2024 | | |

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

- 1.1. Product identifier**
Substance / mixture Kraco Spray Coconut PUM250-10
Number mixture
Other mixture names Kraco-CO_EN
Kraco Spray Coconut
- 1.2. Relevant identified uses of the substance or mixture and uses advised against**
Mixture's intended use
Air freshener.
Main intended use
PC-AIR-4 Air care products for vehicles
Secondary uses
PC-AIR-2 Air care products for indoor rooms (instant action)
Mixture uses advised against
The product should not be used in ways other than those referred in Section 1.
- 1.3. Details of the supplier of the safety data sheet**
Distributor
Name or trade name Opal Products Limited
Address Unit 6 Swannington Road Cottage Lane Industrial Estate, Broughton Astley, Leicester, LE9 6TU United Kingdom
Phone +44 (0) 1455 286887
Competent person responsible for the safety data sheet
Name Tomáš Hrubý
E-mail tomas.hruby@jees.cz
- 1.4. Emergency telephone number**
European emergency number: 112

SECTION 2: Hazards identification

- 2.1. Classification of the substance or mixture**
Classification of the mixture in accordance with Regulation (EC) No 1272/2008
The mixture is classified as dangerous.

Aquatic Chronic 3, H412
Most serious adverse effects on human health and the environment
Harmful to aquatic life with long lasting effects.
- 2.2. Label elements**
Hazard statements
H412 Harmful 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.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P501 Dispose of contents/container to in accordance with local regulations.
Supplemental information
EUH208 Contains Hexyl cinnamal. May produce an allergic reaction.
- 2.3. Other hazards**
The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. Mixture does not contain any substance meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH) as amended. Does not contain any PMT or vPvM components.



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SECTION 3: Composition/information on ingredients

3.2. Mixtures

Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment

| Identification numbers | Substance name | Content in % weight | Classification according to Regulation (EC) No 1272/2008 | Note |
|-------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|---------------------|--------------------------------------------------------------------------------------------------------------------------------|------|
| CAS: 7732-18-5 EC: 231-791-2 | Water | 40-80 | not classified as dangerous | |
| CAS: 64-17-5 EC: 200-578-6 Registration number: 01-2119457610-43-0000 | Ethanol | 3-15 | Flam. Liq. 2, H225 Eye Irrit. 2, H319 Specific concentration limit: Eye Irrit. 2, H319: C > 50 % | |
| Index: 606-117-00-0 CAS: 78-93-3 EC: 201-159-0 Registration number: 01-2119457290-43-0000 | Butanon | 0.1-0.5 | Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 | 1 |
| CAS: 107-21-1 EC: 203-473-3 Registration number: 01-2119456816-28-xxxx | Ethan-1,2-diol | 0.1-0.5 | Acute Tox. 4, H302 STOT RE 2, H373 | 1 |
| CAS: 101-86-0 EC: 639-566-4 Registration number: 01-2119533092-50-xxxx | Hexyl cinnamal | 0.1-0.3 | Skin Sens. 1B, H317 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 2, H411 | |
| CAS: 68424-85-1 EC: 939-253-5 Registration number: 01-2119965180-41-xxxx | Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides | 0.1-0.3 | Acute Tox. 4, H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=1) | |
| CAS: 2305-05-7 EC: 218-971-6 Registration number: 01-2120793027-50-xxxx | Dodecalactone Gamma | 0.1-0.2 | Skin Irrit. 2, H315 | |
| Index: 607-743-00-5 CAS: 79-33-4 EC: 201-196-2 Registration number: 01-2119474164-39-xxxx | Propanic acid, 2-hydroxy | 0.05-0.1 | Skin Corr. 1C, H314 Eye Dam. 1, H318 EUH071 | |
| CAS: 91-64-5 EC: 202-086-7 Registration number: 01-2119949300-45-xxxx | Coumarin | 0.04-0.08 | Acute Tox. 4, H302 Skin Sens. 1, H317 Aquatic Chronic 3, H412 | |
| CAS: 120-57-0 EC: 204-409-7 Registration number: 01-2119983608-21-xxxx | Piperonal | 0.01-0.04 | Skin Sens. 1B, H317 Repr. 2, H361 | |



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| Identification numbers | Substance name | Content in % weight | Classification according to Regulation (EC) No 1272/2008 | Note |
|-------------------------------------------------------------------------------------|-----------------|---------------------|------------------------------------------------------------------------------------|------|
| CAS: 123-68-2 EC: 204-642-4 Registration number: 01-2119983573-26- xxxx | Allyl hexanoate | 0.01-0.02 | Acute Tox. 3, H301, H311, H331 Aquatic Acute 1, H400 Aquatic Chronic 3, H412 | |

Notes

1 A substance for which exposure limits are set.

Full text of all classifications and hazard statements is given in the section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Take care of your own safety. If any health problems are manifested or if in doubt, inform a doctor and show him information from this safety data sheet.

If inhaled

Terminate the exposure immediately; move the affected person to fresh air. Protect the person against growing cold. Provide medical treatment if irritation, dyspnoea or other symptoms persist.

If on skin

Remove contaminated clothes. Wash the affected area with plenty of water, lukewarm if possible. Soap, soap solution or shampoo should be used if there is no skin injury. Provide medical treatment if skin irritation persists.

If in eyes

Rinse eyes immediately with a flow of running water, open the eyelids (also using force if needed); remove contact lenses immediately if worn by the affected person. Rinsing should continue at least for 10 minutes.

If swallowed

Rinse out the mouth with clean water. In the event of issues, find medical help.

4.2. Most important symptoms and effects, both acute and delayed

If inhaled

Not expected.

If on skin

Not expected.

If in eyes

Not expected.

If swallowed

Not expected.

4.3. Indication of any immediate medical attention and special treatment needed

Symptomatic treatment.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Alcohol-resistant foam, carbon dioxide, powder, water spray jet, water mist.

Unsuitable extinguishing media

Water - full jet.

5.2. Special hazards arising from the substance or mixture

In the event of fire, carbon monoxide, carbon dioxide and other toxic gases may arise. Inhalation of hazardous degradation (pyrolysis) products may cause serious health damage.

5.3. Advice for firefighters

Self-Contained Breathing Apparatus (SCBA) with a chemical protection suit only where personal (close) contact is likely. Use a self-contained breathing apparatus and full-body protective clothing. Do not allow run-off of contaminated fire extinguishing material to enter drains or surface and ground water.



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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment for work. Follow the instructions in the Sections 7 and 8.

6.2. Environmental precautions

Prevent contamination of the soil and entering surface or ground water.

6.3. Methods and material for containment and cleaning up

Spilled product should be covered with suitable (non-flammable) absorbing material (sand, diatomaceous earth, earth and other suitable absorption materials); to be contained in well closed containers and removed as per the Section 13. In the event of leakage of the substantial amount of the product, inform fire brigade and other competent bodies. After removal of the product, wash the contaminated site with plenty of water. Do not use solvents.

6.4. Reference to other sections

See the Section 7, 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Prevent formation of gases and vapours in concentrations exceeding the occupational exposure limits. Use personal protective equipment as per Section 8. Observe valid legal regulations on safety and health protection.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed containers in cold, dry and well ventilated areas designated for this purpose.

| Content | Packaging type | Material of package |
|---------|----------------|---------------------|
| 236 ml | bottle | |

Storage class

12 - Other non-combustible liquids

7.3. Specific end use(s)

not available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

The mixture contains substances for which occupational exposure limits are set.

European Union

Commission Directive 2000/39/EC

| Substance name (component) | Type | Value |
|----------------------------|----------------|-----------------------|
| Butanon (CAS: 78-93-3) | OEL 8 hours | 600 mg/m ³ |
| | OEL 8 hours | 200 ppm |
| | OEL 15 minutes | 900 mg/m ³ |
| | OEL 15 minutes | 300 ppm |

European Union

Commission Directive 2000/39/EC

| Substance name (component) | Type | Value |
|--------------------------------|----------------|-----------------------|
| Ethan-1,2-diol (CAS: 107-21-1) | OEL 8 hours | 52 mg/m ³ |
| | OEL 8 hours | 20 ppm |
| | OEL 15 minutes | 104 mg/m ³ |
| | OEL 15 minutes | 40 ppm |

Notes

Skin.

DNEL

| Ethan-1,2-diol | | | |
|---------------------|-------------------|----------------------|-----------------------|
| Workers / consumers | Route of exposure | Value | Effect |
| Consumers | Inhalation | 7 mg/m ³ | Chronic effects local |
| Workers | Inhalation | 35 mg/m ³ | Chronic effects local |



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| Ethan-1,2-diol | | | |
|---------------------|-------------------|-----------|--------------------------|
| Workers / consumers | Route of exposure | Value | Effect |
| Workers | Dermal | 106 mg/kg | Chronic effects systemic |
| Consumers | Dermal | 53 mg/kg | Chronic effects systemic |

| Ethanol | | | |
|---------------------|-------------------|------------------------|--------------------------|
| Workers / consumers | Route of exposure | Value | Effect |
| Workers | Inhalation | 950 mg/m ³ | Chronic effects systemic |
| Workers | Inhalation | 1900 mg/m ³ | Chronic effects local |
| Workers | Dermal | 343 mg/kg | Chronic effects systemic |
| Consumers | Inhalation | 114 mg/m ³ | Chronic effects systemic |
| Consumers | Inhalation | 950 mg/m ³ | Chronic effects local |
| Consumers | Dermal | 206 mg/kg | Chronic effects systemic |
| Consumers | Oral | 87 mg/kg | Chronic effects systemic |

| Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides | | | |
|-----------------------------------------------------------------------|-------------------|------------------------|--------------------------|
| Workers / consumers | Route of exposure | Value | Effect |
| Consumers | Inhalation | 1.64 mg/m ³ | Chronic effects systemic |
| Consumers | Oral | 3.4 mg/kg | Chronic effects systemic |
| Consumers | Dermal | 3.4 mg/kg | Chronic effects systemic |
| Workers | Dermal | 5.7 mg/kg | Chronic effects systemic |
| Workers | Inhalation | 3.96 mg/m ³ | Chronic effects systemic |

PNEC

| Ethan-1,2-diol | |
|------------------------------------|------------|
| Route of exposure | Value |
| Soil (agricultural) | 1.53 mg/kg |
| Marine water | 1 mg/l |
| Sea sediments | 3.7 mg/kg |
| Freshwater sediment | 37 mg/kg |
| Freshwater environment | 10 mg/l |
| Microorganisms in sewage treatment | 199.5 mg/l |

| Ethanol | |
|------------------------------------|------------|
| Route of exposure | Value |
| Freshwater environment | 0.96 mg/l |
| Marine water | 0.79 mg/l |
| Water (intermittent release) | 2.75 mg/l |
| Microorganisms in sewage treatment | 580 mg/l |
| Freshwater sediment | 3.6 mg/kg |
| Sea sediments | 2.9 mg/kg |
| Soil (agricultural) | 0.63 mg/kg |
| Food chain | 0.38 mg/kg |

| Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides | |
|-----------------------------------------------------------------------|-------------|
| Route of exposure | Value |
| Soil (agricultural) | 7 mg/kg |
| Sea sediments | 13.09 mg/kg |



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| Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides | |
|-----------------------------------------------------------------------|-------------|
| Route of exposure | Value |
| Marine water | 0.001 mg/l |
| Freshwater environment | 0.001 mg/l |
| Freshwater sediment | 12.27 mg/kg |
| Microorganisms in sewage treatment | 0.4 mg/l |

8.2. Exposure controls

Do not eat, drink and smoke during work. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest.

Eye/face protection

It is not needed.

Skin protection

Hand protection: Protective gloves resistant to the product. Contaminated skin should be washed thoroughly.

Respiratory protection

Under regular circumstances it is not necessary.

Thermal hazard

Not available.

Environmental exposure controls

Observe usual measures for protection of the environment, see Section 6.2.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|----------------------------------------------------------|--------------------|
| Physical state | liquid |
| Colour | colourless |
| Odour | characteristic |
| Melting point/freezing point | data not available |
| Boiling point or initial boiling point and boiling range | data not available |
| Flammability | data not available |
| Lower and upper explosion limit | data not available |
| Flash point | data not available |
| Auto-ignition temperature | data not available |
| Decomposition temperature | data not available |
| pH | data not available |
| Kinematic viscosity | data not available |
| Solubility in water | data not available |
| Partition coefficient n-octanol/water (log value) | data not available |
| Vapour pressure | data not available |
| Density and/or relative density | data not available |
| Relative vapour density | data not available |
| Particle characteristics | data not available |

9.2. Other information

not available

SECTION 10: Stability and reactivity

10.1. Reactivity

not available

10.2. Chemical stability

The product is stable under normal conditions.

10.3. Possibility of hazardous reactions

Unknown.



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10.4. Conditions to avoid

The product is stable and no degradation occurs under normal use. Protect against flames, sparks, overheating and against frost.

10.5. Incompatible materials

Protect against strong acids, bases and oxidizing agents.

10.6. Hazardous decomposition products

Not developed under normal uses. Dangerous outcomes such as carbon monoxide and carbon dioxide are formed at high temperature and in fire.

SECTION 11: Toxicological information

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

Inhalation of solvent vapors above values exceeding exposure limits for working environment may result in acute inhalation poisoning, depending on the level of concentration and exposure time. No toxicological data is available for the mixture.

Acute toxicity

Data for the mixture are not available. Based on the available data, the criteria for classification of the mixture are not met.

| Allyl hexanoate | | | | | |
|-------------------|------------------|-------------------------|---------------|---------|-----|
| Route of exposure | Parameter | Value | Exposure time | Species | Sex |
| Oral | LD ₅₀ | 280 mg/kg | | Rat | |
| Dermal | LD ₅₀ | 820 mg/kg | | Rat | |
| Inhalation | LC ₅₀ | 0.297 mg/m ³ | 4 hours | Rat | |

| Ethan-1,2-diol | | | | | |
|-------------------|------------------|-------------|---------------|---------|-----|
| Route of exposure | Parameter | Value | Exposure time | Species | Sex |
| Oral | LD ₅₀ | 500 mg/kg | | | |
| Oral | LD ₅₀ | 7712 mg/kg | | Rat | |
| Dermal | LD ₅₀ | >3500 mg/kg | | Mouse | |

| Ethanol | | | | | |
|-------------------|------------------|--------------------------|---------------|-------------------------|-----|
| Route of exposure | Parameter | Value | Exposure time | Species | Sex |
| Oral | LD ₅₀ | >15800 mg/kg | | Rat (Rattus norvegicus) | |
| Dermal | LD ₅₀ | >15800 mg/kg | | | |
| Inhalation | LD ₅₀ | >30000 mg/m ³ | | Rat (Rattus norvegicus) | |

| Piperonal | | | | | |
|-------------------|-----------|------------|---------------|---------|-----|
| Route of exposure | Parameter | Value | Exposure time | Species | Sex |
| Oral | | 2700 mg/kg | | | |

| Propanoic acid, 2-hydroxy | | | | | |
|---------------------------|------------------|-------------|---------------|---------|-----|
| Route of exposure | Parameter | Value | Exposure time | Species | Sex |
| Oral | LD ₅₀ | 3543 mg/kg | | Rat | F |
| Oral | LD ₅₀ | 4936 mg/kg | | Mouse | M |
| Dermal | LD ₅₀ | >2000 mg/kg | | Rabbit | F/M |
| Inhalation | LC ₅₀ | 7.94 mg/l | 4 hours | Rat | F/M |



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Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides

| Route of exposure | Parameter | Value | Exposure time | Species | Sex |
|-------------------|------------------|-----------|---------------|---------|-----|
| Oral | LD ₅₀ | 344 mg/kg | | | |

Skin corrosion/irritation

Data for the mixture are not available. Based on the available data, the criteria for classification of the mixture are not met.

Hexyl cinnamal

| Route of exposure | Result | Method | Exposure time | Species | Value determination |
|-------------------|------------|--------|---------------|---------|---------------------|
| Skin | Irritating | EU B.4 | 24 hours | Rabbit | GLP |

Serious eye damage/irritation

Data for the mixture are not available. Based on the available data, the criteria for classification of the mixture are not met.

Hexyl cinnamal

| Route of exposure | Result | Method | Exposure time | Species | Value determination |
|-------------------|----------------|--------|---------------|---------|---------------------|
| Eye | Not irritating | EU B.5 | 1 hour | Rabbit | GLP |

Respiratory or skin sensitisation

Data for the mixture are not available. Based on the available data, the criteria for classification of the mixture are not met.

Hexyl cinnamal

| Route of exposure | Result | Method | Exposure time | Species | Sex |
|-------------------|-------------|----------|---------------|------------------|-----|
| | Sensitizing | OECD 429 | | Mouse (lymphoma) | |
| | Sensitizing | | | Pig | |

Germ cell mutagenicity

Data for the mixture are not available. Based on the available data, the criteria for classification of the mixture are not met.

Hexyl cinnamal

| Result | Exposure time | Specific target organ | Species | Sex |
|----------|---------------|-----------------------|---------|-----|
| Negative | | | Mouse | |

Carcinogenicity

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

Reproductive toxicity

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

Toxicity for specific target organ - single exposure

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.



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Toxicity for specific target organ - repeated exposure

Data for the mixture are not available. Based on the available data, the criteria for classification of the mixture are not met.

Repeated dose toxicity

| Hexyl cinnamal | | | | | | | | |
|-------------------|-----------|--------|----------|-----------|---------------|---------|-----|---------------------|
| Route of exposure | Parameter | Result | Method | Value | Exposure time | Species | Sex | Value determination |
| Oral | NOAEL | | OECD 421 | 100 mg/kg | 45 days | Rat | F/M | GLP |
| Dermal | NOAEL | | OECD 411 | 125 mg/kg | 90 days | Rat | F/M | GLP |

Aspiration hazard

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

11.2. Information on other hazards

Endocrine disrupting properties

Based on the available data, the criteria for classification of the mixture are not met. Does not contain any components that may cause endocrine disruption for humans.

Other information

not available

SECTION 12: Ecological information

12.1. Toxicity

Harmful to aquatic life with long lasting effects.

Acute toxicity

| Allyl hexanoate | | | | | |
|------------------|--------|------------|---------------|---------|-------------|
| Parameter | Method | Value | Exposure time | Species | Environment |
| LC ₅₀ | | 0.117 mg/l | | | |

| Ethan-1,2-diol | | | | | |
|------------------|--------|-----------------|---------------|-----------------------------------|------------------|
| Parameter | Method | Value | Exposure time | Species | Environment |
| LC ₅₀ | | 72860 mg/l | 96 hours | Fish (Pimephales promelas) | |
| EC ₅₀ | | >100 mg/l | 48 hours | Invertebrates (Daphnia magna) | |
| EC ₅₀ | | 6500-13000 mg/l | 96 hours | Algae (Selenastrum capricornutum) | |
| EC ₂₀ | | >1995 mg/l | 0,5 hours | Microorganisms | Activated sludge |

| Ethanol | | | | | |
|------------------|--------|-------------|---------------|-----------------------------------|-------------|
| Parameter | Method | Value | Exposure time | Species | Environment |
| LC ₅₀ | | >100 mg/l | 96 hours | Fish (Oncorhynchus mykiss) | |
| EC ₅₀ | | >11500 mg/l | 24 hours | Daphnia (Daphnia magna) | |
| NOEC | | >1580 mg/l | 96 hours | Algae (Selenastrum capricornutum) | |



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| Propanic acid, 2-hydroxy | | | | | |
|--------------------------|----------|-----------|---------------|------------------------------------------------------------------|------------------|
| Parameter | Method | Value | Exposure time | Species | Environment |
| EC ₅₀ | | 130 mg/l | 48 hours | Invertebrates (Daphnia magna) | |
| EC ₅₀ | OECD 201 | 3500 mg/l | 72 hours | Algae and other aquatic plants (Pseudokirchneriella subcapitata) | |
| EC ₅₀ | OECD 209 | 88.2 mg/l | 3 hours | Microorganisms (Photobacterium phosphoreum) | Activated sludge |

| Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides | | | | | |
|-----------------------------------------------------------------------|----------|------------|---------------|-------------------------------------|-------------|
| Parameter | Method | Value | Exposure time | Species | Environment |
| LC ₅₀ | | 0.28 mg/l | | Fish (Pimephales promelas) | |
| LC ₅₀ | | 0.93 mg/l | | Fish (Oncorhynchus mykiss) | |
| LC ₅₀ | | 0.515 mg/l | | Fish (Lepomis macrochirus) | |
| EC ₅₀ | | 0.016 mg/l | | Invertebrates (Daphnia magna) | |
| EC ₁₀ | OECD 201 | 0.009 mg/l | | Algae (Selenastrum capricornutum) | |
| EC ₅₀ | | 7.75 mg/l | | Microorganisms (Pseudomonas putida) | |

Chronic toxicity

| Ethan-1,2-diol | | | | |
|------------------|------------|---------------|------------------------------------|-------------|
| Parameter | Value | Exposure time | Species | Environment |
| NOEC | 15380 mg/l | 7 days | Fish (Pimephales promelas) | |
| NOEC | 8590 mg/l | 7 days | Invertebrates (Ceriodaphnia dubia) | |
| EC ₂₀ | >1995 mg/l | 0,5 hours | Microorganisms | |

12.2. Persistence and degradability

Data for the mixture are not available.

Biodegradability

| Ethan-1,2-diol | | | | | | |
|----------------|-----------|----------|---------------|-------------|---------------------|----------------------|
| Parameter | Method | Value | Exposure time | Environment | Value determination | Result |
| | OECD 301A | 90-100 % | 10 days | | | Easily biodegradable |

| Ethanol | | | | | | |
|-----------|--------|-------|---------------|------------------|---------------------|----------------------|
| Parameter | Method | Value | Exposure time | Environment | Value determination | Result |
| | | 88 % | 28 days | Activated sludge | | Easily biodegradable |



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| Hexyl cinnamal | | | | | | |
|----------------|-----------|-------|---------------|-------------|---------------------|----------------------|
| Parameter | Method | Value | Exposure time | Environment | Value determination | Result |
| | OECD 301F | 97 % | 28 days | | GLP | Easily biodegradable |

12.3. Bioaccumulative potential

Data for the mixture are not available.

| Hexyl cinnamal | | | | | | | |
|----------------|----------|-------|---------------|---------|-------------|------------------|---------------------|
| Parameter | Method | Value | Exposure time | Species | Environment | Temperature [°C] | Value determination |
| Log Pow | OECD 117 | 5.3 | | | | 24°C | GLP |

12.4. Mobility in soil

Based on the available data, the criteria for classification of the mixture are not met. Does not contain any PMT or vPvM components.

| Hexyl cinnamal | | |
|----------------|----------|-------|
| Parameter | Method | Value |
| Log Koc | OECD 121 | 4.2 |

12.5. Results of PBT and vPvB assessment

Based on the available data, the criteria for classification of the mixture are not met. Does not contain any PBT or vPvB components.

12.6. Endocrine disrupting properties

Based on the available data, the criteria for classification of the mixture are not met. Does not contain any components that may cause endocrine disruption in the environment.

12.7. Other adverse effects

Not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Hazard of environmental contamination; dispose of the waste in accordance with the local and/or national regulations. Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to a person authorised for waste removal (a specialized company) that is entitled for such activity. Do not empty unused product in drainage systems. The product must not be disposed of with municipal waste. Empty containers may be used at waste incinerators to produce energy or deposited in a dump with appropriate classification. Perfectly cleaned containers can be submitted for recycling.

Waste management legislation

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended. Decision 2000/532/EC establishing a list of wastes, as amended.

Packaging waste type code

15 01 02 plastic packaging

SECTION 14: Transport information

14.1. UN number or ID number

not subject to transport regulations

14.2. UN proper shipping name

not relevant

14.3. Transport hazard class(es)

not relevant

14.4. Packing group

not relevant



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| | | | |
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14.5. Environmental hazards

not relevant

14.6. Special precautions for user

Reference in the Sections 4 to 8.

14.7. Maritime transport in bulk according to IMO instruments

not relevant

SECTION 15: Regulatory information

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

Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and Commission Regulation (EC) No. 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Commission Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

15.2. Chemical safety assessment

not available

SECTION 16: Other information

A list of standard risk phrases used in the safety data sheet

| | |
|--------|--------------------------------------------------------------------|
| EUH071 | Corrosive to the respiratory tract. |
| EUH208 | Contains Hexyl cinnamal. May produce an allergic reaction. |
| H225 | Highly flammable liquid and vapour. |
| H301 | Toxic if swallowed. |
| H302 | Harmful if swallowed. |
| H311 | Toxic in contact with skin. |
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H331 | Toxic if inhaled. |
| H336 | May cause drowsiness or dizziness. |
| H361 | Suspected of damaging fertility or the unborn child. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |
| H411 | Toxic to aquatic life with long lasting effects. |
| H412 | Harmful to aquatic life with long lasting effects. |

Guidelines for safe handling used in the safety data sheet

| | |
|-----------|------------------------------------------------------------------------|
| P101 | If medical advice is needed, have product container or label at hand. |
| P102 | Keep out of reach of children. |
| P301+P310 | IF SWALLOWED: Immediately call a POISON CENTER/doctor. |
| P501 | Dispose of contents/container to in accordance with local regulations. |

Other important information about human health protection

The product must not be - unless specifically approved by the manufacturer/importer - used for purposes other than as per the Section 1. The user is responsible for adherence to all related health protection regulations.

Key to abbreviations and acronyms used in the safety data sheet

| | |
|-----------------|-------------------------------------------------------------------------------------|
| Acute Tox. | Acute toxicity |
| ADR | European agreement concerning the international carriage of dangerous goods by road |
| Aquatic Acute | Hazardous to the aquatic environment |
| Aquatic Chronic | Hazardous to the aquatic environment (chronic) |



SAFETY DATA SHEET

according to Commission Regulation (EU) 2020/878 as amended

MEDO Pump Spray Coconut

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| | |
|------------------|---------------------------------------------------------------------------------------------------|
| BCF | Bioconcentration Factor |
| CAS | Chemical Abstracts Service |
| CLP | Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures |
| EC | Identification code for each substance listed in EINECS |
| EC ₁₀ | Concentration of a substance when it is affected 10 % of the population |
| EC ₂₀ | Concentration of a substance when it is affected 20 % of the population |
| EC ₅₀ | Concentration of a substance when it is affected 50 % of the population |
| EINECS | European Inventory of Existing Commercial Chemical Substances |
| EmS | Emergency plan |
| EU | European Union |
| EuPCS | European Product Categorisation System |
| Eye Dam. | Serious eye damage |
| Eye Irrit. | Eye irritation |
| Flam. Liq. | Flammable liquid |
| IATA | International Air Transport Association |
| IBC | International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals |
| ICAO | International Civil Aviation Organization |
| IMDG | International Maritime Dangerous Goods |
| IMO | International Maritime Organization |
| INCI | International Nomenclature of Cosmetic Ingredients |
| ISO | International Organization for Standardization |
| IUPAC | International Union of Pure and Applied Chemistry |
| LC ₅₀ | Lethal concentration of a substance in which it can be expected death of 50% of the population |
| LD ₅₀ | Lethal dose of a substance in which it can be expected death of 50% of the population |
| log Kow | Octanol-water partition coefficient |
| NOAEL | No observed adverse effect level |
| NOEC | No observed effect concentration |
| OEL | Occupational Exposure Limits |
| PBT | Persistent, bioaccumulative and toxic |
| PMT | Persistent, mobile and toxic |
| ppm | Parts per million |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals |
| Repr. | Reproductive toxicity |
| RID | Agreement on the transport of dangerous goods by rail |
| Skin Corr. | Skin corrosion |
| Skin Irrit. | Skin irritation |
| Skin Sens. | Skin sensitization |
| STOT RE | Specific target organ toxicity - repeated exposure |
| STOT SE | Specific target organ toxicity - single exposure |
| UN | Four-figure identification number of the substance or article taken from the UN Model Regulations |
| UVCB | Substances of unknown or variable composition, complex reaction products or biological materials |
| VOC | Volatile organic compounds |
| vPvB | Very persistent and very bioaccumulative |
| vPvM | Very persistent and very mobile |

Training guidelines

Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the product.

Recommended restrictions of use

not available

Information about data sources used to compile the Safety Data Sheet



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REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Data from the manufacturer of the substance / mixture, if available - information from registration dossiers.

The changes (which information has been added, deleted or modified)

The version 4.0 replaces the SDS version from Friday, 31 March 2023. Changes were made in sections 2, 11, 12, 13 and 16.

More information

Classification procedure - calculation method.

Statement

The safety data sheet provides information aimed at ensuring safety and health protection at work and environmental protection. The provided information corresponds to the current status of knowledge and experience and complies with valid legal regulations. The information should not be understood as guaranteeing the suitability and usability of the product for a particular application.
