Care & Protect Cream 500ml

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

1.1. Product identifier

Trade name/designation:

Care & Protect Cream 500ml

Article No.:
T171101

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

Use of the substance/mixture:
Care products for plastic

Relevant identified uses:

	Product Categories [PC]
PC 31:	Polishes and wax blends

1.3. Details of the supplier of the safety data sheet

Supplier:

KANDO Service GmbH
Hartleitnerstraße 3
4653 Eberstalzell
Austria
Telephone: +43 (0) 7241 213 79
E-mail: msds@kando.eu

1.4. Emergency telephone number

Vergiftungsinformationszentrale (VIZ), Stubenring 6, 1010 Wien, 24h: 01 406 43 43, Montag - Freitag: 8 bis 16 Uhr, Tel.: 01 406 68 98 (keine medizinische Auskunft) (Only available during office hours.)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]
The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

*

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]
Hazard statements: none

Supplemental hazard information	
EUH208	Contains (R)-p-mentha-1,8-diene. May produce an allergic reaction.

Precautionary statements: none

2.3. Other hazards

Other adverse effects:
The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

SECTION 3: Composition/information on ingredients

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3.2. Mixtures

Description:
Solvent mixture with additives.

Additional information:
Regulation (EC) No. 648/2004 [Detergents regulation]:
≥30% aliphatic hydrocarbons
<5% Fragrances, (R)-p-mentha-1,8-diene, hexyl cinnamal, CITRAL, p-CYMENE, GERANIOL

Care & Protect Cream 500ml

Hazardous ingredients / Hazardous impurities / Stabilisers:

Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
EC No.: 918-481-9 REACH No.: 01-2119457273-39	**Hydrocarbons, C10-C13, n-alkanes,isoalkanes, cycloalkanes, <2% aromatics** Asp. Tox. 1 (H304) Danger **Acute Toxicity Estimate** ATE (oral) > 5,000 mg/kg ATE (dermal) > 5,000 mg/kg ATE (inhalation, dust/mist) > 5,000 mg/L	50 – < 100 Vol-%
CAS No.: 5989-27-5 EC No.: 227-813-5 REACH No.: 01-2119529223-47	**(R)-p-mentha-1,8-diene** Aquatic Acute 1 (H400), Aquatic Chronic 1 (H410), Flam. Liq. 3 (H226), Skin Irrit. 2 (H315), Skin Sens. 1 (H317) Warning **Acute Toxicity Estimate** ATE (oral) > 2,000 mg/kg ATE (dermal) > 5,000 mg/kg	< 0.25 Vol-%

Full text of H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information:
Immediately remove any contaminated clothing, shoes or stockings.
No special measures are necessary.

Following inhalation:
Fresh air supply, consult a doctor in case of complaints.

In case of skin contact:
In general, the product is not irritating to skin.

After eye contact:
Rinse opened eye for several minutes under running water. Consult a doctor if symptoms persist

Following ingestion:
Consult a doctor if symptoms persist.

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.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:
Carbon dioxide (CO2), Sand, Extinguishing powder

Unsuitable extinguishing media:
Water

5.2. Special hazards arising from the substance or mixture
No further relevant information available.

5.3. Advice for firefighters
Special protective equipment for firefighters: No special measures are necessary.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Personal precautions:
Special danger of slipping by leaking/spilling product.

6.1.2. For emergency responders
No data available

6.2. Environmental precautions
Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up
For cleaning up:
Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

6.4. Reference to other sections
No hazardous substances are released.
Further information on proper storage: see section 7.
For further information on personal protective equipment: see section 8.
For further information on disposal: see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Protective measures
Advices on safe handling:
No special measures required if used properly.

7.2. Conditions for safe storage, including any incompatibilities
Requirements for storage rooms and vessels:
Keep/Store only in original container.
Hints on storage assembly:
Not required.
Storage class (TRGS 510, Germany): 10 – Combustible liquids that cannot be assigned to any of the above storage classes
Further information on storage conditions:
Protect from heat and direct sunlight.
storage temperature: 20°C

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

SECTION 8: Exposure controls/personal protection

*
8.1. Control parameters
8.1.1. Occupational exposure limit values

Limit value type (country of origin)	**Substance name**	**① Long-term occupational exposure limit value ② Short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark**
MAK (AT)	**Hydrocarbons, C10-C13, n-alkanes,isoalkanes, cycloalkanes, <2% aromatics** EC No.: 918-481-9	① 200 mL/m³ ② 400 mL/m³ ⑤ (für Kohlenwasserstoffgemische mit einem Gehalt an aromatischen Kohlenwasserstoffen von weniger als 1 %, an n-Hexan von weniger als 5 % und an Cyclo-/ Isohexanen von weniger als 25 %)
MAK (AT)	**Hydrocarbons, C10-C13, n-alkanes,isoalkanes, cycloalkanes, <2% aromatics** EC No.: 918-481-9	① 170 mL/m³ ② 340 mL/m³ ⑤ (für Kohlenwasserstoffgemische mit einem Gehalt an aromatischen Kohlenwasserstoffen von weniger als 1 %, an n-Hexan von weniger als 5 % und an Cyclo-/ Isohexanen von 25 % oder mehr)

8.1.2. Biological limit values
No data available

8.1.3. DNEL-/PNEC-values

Substance name	DNEL value	① DNEL type ② Exposure route
(R)-p-mentha-1,8-diene CAS No.: 5989-27-5 EC No.: 227-813-5	33.3 mg/m³	① DNEL worker ② Long-term – inhalation, systemic effects
(R)-p-mentha-1,8-diene CAS No.: 5989-27-5 EC No.: 227-813-5	8.3 mg/m³	① DNEL Consumer ② Long-term – inhalation, systemic effects
(R)-p-mentha-1,8-diene CAS No.: 5989-27-5 EC No.: 227-813-5	0.222 mg/kg	① DNEL worker ② Acute - dermal, local effects
(R)-p-mentha-1,8-diene CAS No.: 5989-27-5 EC No.: 227-813-5	0.111 mg/kg	① DNEL Consumer ② Acute - dermal, local effects
(R)-p-mentha-1,8-diene CAS No.: 5989-27-5 EC No.: 227-813-5	4.76 mg/kg	① DNEL Consumer ② Long-term - oral, systemic effects

Substance name	PNEC Value	① PNEC type
(R)-p-mentha-1,8-diene CAS No.: 5989-27-5 EC No.: 227-813-5	0.0054 mg/L	① PNEC aquatic, freshwater
(R)-p-mentha-1,8-diene CAS No.: 5989-27-5 EC No.: 227-813-5	0.00054 mg/L	① PNEC aquatic, marine water
(R)-p-mentha-1,8-diene CAS No.: 5989-27-5 EC No.: 227-813-5	1.8 mg/L	① PNEC sewage treatment plant
(R)-p-mentha-1,8-diene CAS No.: 5989-27-5 EC No.: 227-813-5	1.32 mg/kg	① PNEC sediment, freshwater
(R)-p-mentha-1,8-diene CAS No.: 5989-27-5 EC No.: 227-813-5	0.13 mg/kg	① PNEC sediment, marine water
(R)-p-mentha-1,8-diene CAS No.: 5989-27-5 EC No.: 227-813-5	0.262 mg/kg	① PNEC soil
(R)-p-mentha-1,8-diene CAS No.: 5989-27-5 EC No.: 227-813-5	3.33 mg/kg	① PNEC secondary poisoning

8.2. Exposure controls

8.2.1. Appropriate engineering controls
No further details. See section 7.

8.2.2. Personal protection equipment

Eye/face protection:
Safety goggles recommended when decanting.

Skin protection:
Hand protection:
The glove material must be impermeable and resistant to the product / substance / preparation.
Selection of the glove material considering the breakthrough times, permeation rates and degradation.
Glove material: NBR (Nitrile rubber)
The selection of a suitable glove depends not only on the material but also on other quality features and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of glove materials cannot be calculated in advance and must therefore be checked before use.
Permeation time (maximum wear duration): > 0,5mm / 240 Min.

Respiratory protection:
Not required.

Other protection measures:
General protective and hygienic measures:
The usual precautions when handling chemicals must be observed.

8.2.3. Environmental exposure controls
No data available

8.3. Additional information
No further relevant information available.

SECTION 9: Physical and chemical properties

* ### 9.1. Information on basic physical and chemical properties

Appearance
Physical state: Liquid
Colour: whitish
Odour: characteristic
flammability: No data available
Odour threshold: not determined

Safety relevant basis data

Parameter	Value	at °C	① Method ② Remark
pH	*No data available*		
Melting point	*No data available*		
Freezing point	*No data available*		
Initial boiling point and boiling range	145 °C		
Flash point	66 °C		
Evaporation rate	*No data available*		
Auto-ignition temperature	> 24 °C		
Upper/lower flammability or explosive limits	0.6 – 7 Vol-%		
Vapour pressure	100 hPa	20 °C	
Vapour density	*No data available*		
Density	0.8 g/cm³	20 °C	
Bulk density	*not applicable*		
Water solubility	Immiscible		
Dynamic viscosity	*No data available*		
Kinematic viscosity	50 – 100 mm²/s	40 °C	

* ### 9.2. Other information
The product is not self-igniting. The product is not explosive.

9.2.1. Information with regard to physical hazard classes
Explosives:
Not applicable
Flammable gases:
Not applicable
Aerosols:
Not applicable
Oxidizing gases:
Not applicable
Gases under pressure:
Not applicable
Flammable liquids:
Not applicable

Flammable solids:
Not applicable

Self-reactive substances and mixtures:
Not applicable

Pyrophoric liquids:
Not applicable

Pyrophoric solids:
Not applicable

Self-heating substances and mixtures:
Not applicable

Substances or mixtures which, in contact with water, emit flammable gases:
Not applicable

Oxidizing liquids:
Not applicable

Oxidizing solids:
Not applicable

Organic peroxides:
Not applicable

Corrosive to metals:
Not applicable

Desensitised explosives:
Not applicable

SECTION 10: Stability and reactivity

10.1. Reactivity
No further relevant information available.

10.2. Chemical stability
Thermal decomposition / Conditions to avoid: No decomposition when used as directed.

10.3. Possibility of hazardous reactions
No hazardous reaction when handled and stored according to provisions.

10.4. Conditions to avoid
No further relevant information available.

10.5. Incompatible materials
No further relevant information available.

10.6. Hazardous decomposition products
No known hazardous decomposition products.

SECTION 11: Toxicological information

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

Hydrocarbons, C10-C13, n-alkanes,isoalkanes, cycloalkanes, <2% aromatics	EC No.: 918-481-9
LD_{50} oral: >5,000 mg/kg (Rat)	
LD_{50} dermal: >5,000 mg/kg (Rabbit)	
LC_{50} Acute inhalation toxicity (dust/mist): >5,000 mg/L 4 h (Rat)	
(R)-p-mentha-1,8-diene	CAS No.: 5989-27-5 EC No.: 227-813-5
LD_{50} oral: >2,000 mg/kg (Rat)	
LD_{50} dermal: >5,000 mg/kg (Rabbit)	

Acute oral toxicity:
Based on available data, the classification criteria are not met.

Acute dermal toxicity:
Based on available data, the classification criteria are not met.

Acute inhalation toxicity:
Based on available data, the classification criteria are not met.

Skin corrosion/irritation:
Based on available data, the classification criteria are not met.

Serious eye damage/irritation:
Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation:
Based on available data, the classification criteria are not met.

Germ cell mutagenicity:
Based on available data, the classification criteria are not met.

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

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

STOT-single exposure:
Based on available data, the classification criteria are not met.

STOT-repeated exposure:
Based on available data, the classification criteria are not met.

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

11.2. Information on other hazards

Endocrine disrupting properties:
None of the ingredients are included.

SECTION 12: Ecological information

*

12.1. Toxicity

Hydrocarbons, C10-C13, n-alkanes,isoalkanes, cycloalkanes, <2% aromatics EC No.: 918-481-9	
LC_{50}: 100 mg/L (fish)	
LC_{50}: 1,000 mg/L (Algae/water plant)	
EC_{50}: 1,000 mg/L (crustaceans)	
(R)-p-mentha-1,8-diene CAS No.: 5989-27-5 EC No.: 227-813-5	
LC_{50}: 35 mg/L 4 d (fish, Oncorhynchus mykiss)	
EC_{50}: 69.6 mg/L 2 d (crustaceans, Daphnia pulex)	

Aquatic toxicity:
No further relevant information available.

Assessment/classification:
No further relevant information available.

12.2. Persistence and degradability

(R)-p-mentha-1,8-diene CAS No.: 5989-27-5 EC No.: 227-813-5
Biodegradation: Yes, rapidly

Additional information:
No further relevant information available.

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12.3. Bioaccumulative potential

(R)-p-mentha-1,8-diene CAS No.: 5989-27-5 EC No.: 227-813-5
Log K_{OW}: 4.83
Bioconcentration factor (BCF): 1,022

Accumulation / Evaluation:
No further relevant information available.

12.4. Mobility in soil

No further relevant information available.

12.5. Results of PBT and vPvB assessment

Hydrocarbons, C10-C13, n-alkanes,isoalkanes, cycloalkanes, <2% aromatics	EC No.: 918-481-9
Results of PBT and vPvB assessment: —	
(R)-p-mentha-1,8-diene CAS No.: 5989-27-5 EC No.: 227-813-5	
Results of PBT and vPvB assessment: —	

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Endocrine disrupting properties
None of the ingredients are included.

12.7. Other adverse effects
Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.
Drinking water hazard even when small quantities leak into the subsoil.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Must not be disposed of together with household waste. Do not allow to enter into surface water or drains.

Waste treatment options
Appropriate disposal / Package:
Uncleaned packaging: Dispose of waste according to applicable legislation.

SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1. UN number or ID number			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.2. UN proper shipping name			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
* **14.3. Transport hazard class(es)**			
not relevant	not relevant	not relevant	not relevant
14.4. Packing group			
not relevant	not relevant	not relevant	not relevant
14.5. Environmental hazards			
not relevant	not relevant	not relevant	not relevant
14.6. Special precautions for user			
not relevant	not relevant	not relevant	not relevant

14.7. Maritime transport in bulk according to IMO instruments
not applicable

SECTION 15: Regulatory information

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

15.1.1. EU legislation
Authorisations:
Directive 2012/18/EU
Named dangerous substances - ANNEX I: None of the ingredients are included.

15.1.2. National regulations
No data available

15.2. Chemical Safety Assessment
A chemical safety assessment has not been carried out.

SECTION 16: Other information

* **16.1. Indication of changes**

2.2.	Label elements
3.2.	Mixtures
8.1.	Control parameters
9.1.	Information on basic physical and chemical properties
9.2.	Other information
12.1.	Toxicity
12.3.	Bioaccumulative potential
14.3.	Transport hazard class(es)
16.1.	Indication of changes
16.2.	Abbreviations and acronyms

* **16.2. Abbreviations and acronyms**

ACGIH	American Conference of Governmental Industrial Hygienists
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
BCF	Bioconcentration Factor
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging
DNEL	derived no-effect level
EC_{50}	Effective Concentration 50%
EN	European Standard
ES	Exposure scenario
EWC	European Waste Catalogue
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
KG	body weight
LC_{50}	Lethal (fatal) Concentration 50%
LD_{50}	Lethal (fatal) Dose 50%
MAK	Maximum concentration in the workplace air (CH)
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety & Health
NOEC	No Observed Effect Concentration
OECD	Organisation for Economic Cooperation and Development
OSHA	Occupational Safety & Health Administration
PBT	persistent and bioaccumulative and toxic
PC	Product category
PNEC	Predicted No Effect Concentration
QSAR	Quantitative Structure-Activity Relationship
REACH	Registration, Evaluation and Authorization of Chemicals
RID	Dangerous goods regulations for transport by rail
SCL	Specific concentration limit
TRGS	Technische Regeln für Gefahrstoffe
UN	United Nations
VOC	Volatile organic compounds
ZNS	central nervous system

16.3. Key literature references and sources for data
No data available

16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

16.5. List of relevant hazard statements and/or precautionary statements from sections 2 to 15

Hazard statements	
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

16.6. Training advice

No data available

16.7. Additional information

To the best of our knowledge, the information contained herein is accurate. However, neither the above-mentioned supplier nor its subsidiaries assume any liability with regard to the correctness or completeness of the information provided. A final determination of the suitability of individual materials is the sole responsibility of the user. All materials may involve unknown risks and should be used with caution. While certain risks are described herein, we cannot guarantee that these are the only possible risks.

* Data changed compared with the previous version.