



SAFETY DATA SHEET

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

1.1 Product identifier

- Product Name: Primesurf CPS
- Chemical Name: Cyclopentasiloxane
- CAS Number: 541-02-6
- EC Number: 208-764-9
- REACH Registration Number: 01-2119511367-43
- Synonyms:

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

- Use of the substance/mixture: Cosmetic ingredient

1.3 Details of the supplier of the safety data sheet

Craftovator Limited
FLEETWOOD HOUSE, 1 Albion Cl, Slough
SL2 5DT
Phone: +44 (0)1753 267895
Email info@craftovator.co.uk

- Emergency Telephone: +44 (0)1753 267895
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SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

- CLP: Classification of the substance or mixture EC regulation criteria 1272/2008 (CLP)

2.2 Label elements

- Signal Word: None

2.2.1 Hazard statements

None assigned

2.2.2 Precautionary statements

None assigned

2.3 Other hazards

- None known.
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SECTION 3: Composition/information on ingredients

3.1 Substances

SECTION 3: Composition/information on ingredients (...)

3.1.1 Decamethylcyclopentasiloxane

CAS Number: 541-02-6

EC Number: 208-764-9

Content (%): > 95%

3.1.2 Dodecamethylcyclohexasiloxane

CAS Number: 540-97-6

EC Number: 208-762-8

Content (%): 0.1-1%

3.1.3 octamethylcyclotetrasiloxane

CAS Number: 556-67-2

EC Number: 209-136-7

Content (%): < 0.1%

CLP classification: Repr. 2, Aquatic Chronic 4, Flam. Liq. 3. H226

This product contains one or more candidate substance(s) of very high concern (Regulation (EC) No. 1907/2006 (REACH), Article

59) Octamethylcyclotetrasiloxane Decamethylcyclopentasiloxane Dodecamethylcyclohexasiloxane

3.2 Mixtures

- Not applicable
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SECTION 4: First aid measures

4.1 Description of first aid measures

- Remove contaminated clothing

4.1.1 Contact with eyes

Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 10 minutes. Get medical attention if any discomfort continues.

4.1.2 Contact with skin

Immediately wash with water and soap and rinse thoroughly

4.1.3 Ingestion

Rinse mouth and drink large quantities of water.

Seek medical attention if irritation persists

4.1.4 Inhalation

Move affected person to fresh air

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

SECTION 4: First aid measures (....)

- Treat symptomatically
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SECTION 5: Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing media: CO₂, Extinguishing powder. Alcohol resistant foam
Cool containers with flooding quantities of water until well after fire is out.

Unsuitable Extinguishing Media

Do not use a solid water stream as it may scatter and spread fire

5.2 Special hazards arising from the substance or mixture

- In the event of fire, the following can be released: Carbon monoxide, Carbon dioxide (CO₂), Nitrogen oxides (NO_x), Silicon dioxide, Formaldehyde

5.3 Advice for firefighters

- Protective equipment: Wear self-contained respiratory protective devices
 - Additional information: Cool endangered receptacles with water spray
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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Wear protective clothing.
- Use respiratory protective device against the effects of fumes/dust/aerosol.
Keep away from ignition sources
Particular danger of slipping on leaked/spilled product

6.2 Environmental precautions

- Do not allow to enter into ground-water, surface water or drains
- Do not allow to enter into soil/subsoil.

6.3 Methods and material for containment and cleaning up

- Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid-or universal binding agents).
- Dispose of waste according to applicable legislation.

6.4 Reference to other sections

- See section 7 for safe handling, section 8 for personal protection and section 13 for disposal considerations.
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SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Keep container tightly sealed.
 - Ensure good exhaust ventilation at the workplace
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SECTION 7: Handling and storage (....)

- Prevent formation of aerosols.
- Advice on protection against fire and explosion
 - Avoid all possible sources of ignition (spark or flame)
 - Protect against electrostatic charges.
 - Avoid dust formation.
 - Eliminate all sources of ignition.
 - Use non-sparking tools.

7.2 Conditions for safe storage, including any incompatibilities

- Store away from oxidising agents
- Keep container tightly closed and dry; store in a cool place.
- Keep cool. Protect from sunlight.

7.3 Specific end use(s)

- See Section 1
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SECTION 8: Exposure controls/personal protection

Exercise good industrial hygiene practice.

Wash after handling, especially before eating, drinking or smoking.

8.1 Control parameters

- Ingredient comments: Ingredients with limit values that require monitoring at the workplace: Not required

8.1.1 DNEL/DMEL

DNEL (oral) Acute - Systemic (consumer) 5 mg/ kg bw/day (l)
Dermal Inhalative:

DNEL Long-term - Systemic (consumer) 5 mg/kg bw/day (l)
DNEL Acute - Local (consumer) 4.3 mg/m³ (l)
DNEL Acute - Systemic (consumer) 17.3 mg/m³ (l)
DNEL Acute - Systemic (worker) 97.3 mg/m³ (l)
DNEL Acute - local (worker) 24.2 mg/m³ (l)
DNEL Long-term - Local (consumer) 4.3 mg/m³ (l)
DNEL Long-term - Local (worker) 24.2 mg/m³ (l)
DNEL Long-term - Systemic (worker) 97.3 mg/m³ (l)

8.1.2 PNEC

PNEC Fresh water 0.0012 mg/l (l)
PNEC Fresh water sediment 2.39 mg/kg (l)
PNEC Marine sediment 0.239 mg/kg (l)
PNEC Marine water 0.00012 mg/l (l)
PNEC STP >10 mg/l (l)
PNEC Soil 3.34 mg/kg (l)

SECTION 8: Exposure controls/personal protection (....)

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

8.2 Exposure controls

- Personal protective equipment:
- General protective and hygienic measures: The usual precautionary measures are to be adhered to when handling chemicals



Gloves



Goggles

- Wear protective gloves complying with EN 374.
- Wear suitable protective gloves; the glove material must be impermeable and resistant to the product/substance/preparation
- Protective gloves must be replaced immediately when physically damaged or worn
- Penetration time of glove material: The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed
- Eye protection: Tightly sealed goggles
- Glasses with side protection (EN 166)
- Body Protection: Protective clothing

8.3 Environmental exposure controls

- No information available
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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Appearance: Liquid
 - Colour: Colourless
 - Odour: Very small
 - pH: Not determined
 - Melting point/Range: Approx -38 / - 44°C
 - Boiling Point/Range: Approx. 211°C
 - Solubility in water: Insoluble in water
 - Flash Point: Approx. 77°C
 - Evaporation Rate: < 1
 - Flammability: Upper flammability limit 7.00%(in air), Lower flammability limit 0.52%(in air)
 - Autoignition Temperature: Approx. 392 - 400°C
 - Decomposition Temperature: No information available
 - Explosive Properties: Product does not present an explosion hazard.
 - Explosion Limits (Upper/Lower): Lower: 0.7 Vol % Upper: Not determined
 - Vapour pressure at 20°C: approx. 1.33 hPa
 - Density: @ 20°C: 0.95 g/cm³
 - Relative density Not determined
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SECTION 9: Physical and chemical properties (....)

- Vapour Density: ≥ 1
- Partition Coefficient (n-Octanol/Water): Approx. 5.2
- Viscosity, Dynamic: Not determined
- Viscosity, Kinematic: @ 20°C: 3.8 mm²/s
- Organic solvents: 0.0 %

9.2 Other information

- No further relevant information available.
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SECTION 10: Stability and reactivity

10.1 Reactivity

- No data available

10.2 Chemical stability

- Thermal decomposition/conditions to be avoided: No decomposition if used according to specifications

10.3 Possibility of hazardous reactions

- Considered stable under normal conditions

10.4 Conditions to avoid

- No known significant effects or critical hazards.

10.5 Incompatible materials

- Strong oxidising agents

10.6 Hazardous decomposition products

- Carbon dioxide / Carbon monoxide
 - Formaldehyde
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SECTION 11: Toxicological information

11.1 Information on toxicological effects

- Acute Toxicity
 - LD50 (Dermal, Rat): > 2000 mg/kg
 - LD50 (Oral, Rat): > 5000 mg/kg

11.2 Contact with eyes

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

11.3 Contact with skin

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

11.4 Ingestion

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

SECTION 11: Toxicological information (....)

11.5 Inhalation

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

11.6 Carcinogenicity

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

11.7 Mutagenicity

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

11.8 Teratogenicity

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

- STOT-single exposure and repeated exposure: Based on available data, the classification criteria are not met.
 - Aspiration hazard: Based on available data, the classification criteria are not met.
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SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

LC 50 (48 u) 0.0029 mg/l (daphnia magna)
LC 50 (96 u) 0.016 mg/l (Oncorhynchus mykiss)
NOEC ³ 0.016 mg/l (Oncorhynchus mykiss)

12.2 Persistence and degradability

Degree of elimination:

OECD 301B 2 % (/)

12.3 Bioaccumulative potential

BCF 7060 (/)

12.4 Mobility in soil

- No further relevant information available.
- General notes: Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

12.5 Results of PBT and vPvB assessment

- This product is not identified as a PBT/vPvB substance.

12.6 Other adverse effects

- No further relevant information available.
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SECTION 13: Disposal considerations

13.1 Waste treatment methods

- Method of disposal: Must not be disposed together with household garbage. Do not allow product to reach sewage system
 - Uncleaned packaging: Disposal must be made according to official regulations.
 - Avoid release to the environment. Refer to special instructions/Safety data sheets
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SECTION 13: Disposal considerations (....)

- Disposal should be in accordance with local, state or national legislation
 - Dispose of in accordance with local regulations.
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SECTION 14: Transport information

14.1 UN number

- UN No.: Not applicable

14.2 Proper Shipping Name

- Proper Shipping Name: Not applicable

14.3 Transport hazard class(es)

- Hazard Class: Not applicable

14.4 Packing group

- Packing Group: Not applicable

14.5 Environmental hazards

- Not applicable

14.6 Special precautions for user

- Not applicable

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

- Not applicable
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SECTION 15: Regulatory information

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

National regulations:

- Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

15.2 Chemical safety assessment

- A chemical safety assessment has not been carried out.
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SECTION 16: Other information

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

--- end of safety datasheet ---
