

Safety Data Sheet

according to UK REACH Regulation

Planol

Plano SOFT

Revision date: 26.04.2021

Product code: 00514-0053

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

1.1. Product identifier

Plano SOFT

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

Use of the substance/mixture

Cleaning agent

1.3. Details of the supplier of the safety data sheet

| | | |
|-------------------------|-----------------------|--------------------------------|
| Company name: | Planol GmbH + Co. KG | |
| Street: | Maybachstr. 17 | |
| Place: | D-63456 Hanau | |
| Telephone: | +49 (0) 6181 94570-10 | Telefax: +49 (0) 6181 94570-29 |
| Internet: | www.planol.de | |
| Responsible Department: | Labor | |

1.4. Emergency telephone number: +49 (0) 6132 / 84463 (GBK GmbH)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GB CLP Regulation

Hazard categories:
Respiratory or skin sensitisation: Skin Sens. 1
Hazard Statements:
May cause an allergic skin reaction.

2.2. Label elements

GB CLP Regulation

Hazard components for labelling

2-methylisothiazol-3(2H)-one

Signal word: Warning

Pictograms:



Hazard statements

H317 May cause an allergic skin reaction.

Precautionary statements

| | |
|-----------|---|
| P261 | Avoid breathing dust/fume/gas/mist/vapours/spray. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P302+P352 | IF ON SKIN: Wash with plenty of Water. |
| P333+P313 | If skin irritation or rash occurs: Get medical advice/attention. |
| P501 | Dispose of contents/container to in accordance with local and national regulations. |

Additional advice on labelling

The product is labeled in accordance with Regulation (EC) no. 1272/2008 (GHS).

2.3. Other hazards

No data available

SECTION 3: Composition/information on ingredients

3.2. Mixtures



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Chemical characterization

Aqueous cleansing agent with surfactants

Hazardous components

| CAS No | Chemical name | Quantity | | |
|------------|--|--------------|------------------|-----------|
| | EC No | Index No | REACH No | |
| | GHS Classification | | | |
| 68891-38-3 | Alcohols, C12-14, ethoxylated, sulfated, sodium salts (> 1 < 2,5 mol EO) | | | 1 - < 5 % |
| | 500-234-8 | | 01-2119488639-16 | |
| | Skin Irrit. 2, Eye Dam. 1, Aquatic Chronic 3; H315 H318 H412 | | | |
| 112-34-5 | 2-(2-butoxyethoxy)ethanol | | | 1 - < 5 % |
| | 203-961-6 | 603-096-00-8 | 01-2119475104-44 | |
| | Eye Irrit. 2; H319 | | | |
| 2682-20-4 | 2-methylisothiazol-3(2H)-one | | | < 0.1 % |
| | 220-239-6 | 613-326-00-9 | 01-2120764690-50 | |
| | Acute Tox. 2, Acute Tox. 3, Acute Tox. 3, Skin Corr. 1B, Eye Dam. 1, Skin Sens. 1A, Aquatic Acute 1, Aquatic Chronic 1; H330 H311 H301 H314 H318 H317 H400 H410 EUH071 | | | |

Full text of H and EUH statements: see section 16.

Specific Conc. Limits, M-factors and ATE

| CAS No | EC No | Chemical name | Quantity | |
|------------|---|--|-----------|--|
| | Specific Conc. Limits, M-factors and ATE | | | |
| 68891-38-3 | 500-234-8 | Alcohols, C12-14, ethoxylated, sulfated, sodium salts (> 1 < 2,5 mol EO) | 1 - < 5 % | |
| | Eye Dam. 1; H318: >= 10 - 100 Eye Irrit. 2; H319: >= 5 - < 10 | | | |
| 112-34-5 | 203-961-6 | 2-(2-butoxyethoxy)ethanol | 1 - < 5 % | |
| | dermal: LD50 = 4120 mg/kg; oral: LD50 = 5660 mg/kg | | | |
| 2682-20-4 | 220-239-6 | 2-methylisothiazol-3(2H)-one | < 0.1 % | |
| | inhalation: ATE = 0,5 mg/l (vapours); inhalation: ATE = 0,05 mg/l (dusts or mists); dermal: ATE = 300 mg/kg; oral: ATE = 100 mg/kg Skin Sens. 1A; H317: >= 0,0015 - 100 M acute; H400: M=10 M chron.; H410: M=1 | | | |

Further Information

Ingredients according to EC Detergents Regulation 648/2004:

Anionic surfactants: < 5 %

fragrances, LIMONEN, LINALOOL

Preservative: METHYLISOTHIAZOLINONE, BENZISOTHIAZOLINONE

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

No specific precautions required.

After inhalation

Ensure of fresh air. If symptoms persist, call a physician.

After contact with skin

Wash hands with water as a precaution. Consult a doctor if skin irritation persists.

After contact with eyes

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a specialist.

After ingestion

If symptoms persist, call a physician.



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

Has a degreasing effect on the skin. Repeated or prolonged exposure may cause irritation of eyes, skin and respiratory system.

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

Treat symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Foam, carbon dioxide (CO₂), dry chemical, water-spray

Unsuitable extinguishing media

Not known.

5.2. Special hazards arising from the substance or mixture

Not known.

5.3. Advice for firefighters

No specific fire preventions necessary.

Additional information

Product does not burn, fire-extinguishing activities according to surrounding.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures

Not required.

For non-emergency personnel

Avoid contact with skin, eyes and clothing.

For emergency responders

Use personal protective clothing.
Remove persons to safety.

6.2. Environmental precautions

No specific precautions required. Dilute with plenty of water.

6.3. Methods and material for containment and cleaning up

Other information

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder).

6.4. Reference to other sections

Information for disposal see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

No special precautions required.

Advice on protection against fire and explosion

No special precautions required.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

No particular requirements.

Hints on joint storage

Not required.



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Further information on storage conditions

Keep from freezing.

7.3. Specific end use(s)

Cleaning agent

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

| CAS No | Substance | ppm | mg/m ³ | fibres/ml | Category | Origin |
|----------|---------------------------|-----|-------------------|-----------|---------------|--------|
| 112-34-5 | 2-(2-Butoxyethoxy)ethanol | 10 | 67.5 | | TWA (8 h) | WEL |
| | | 15 | 101.2 | | STEL (15 min) | WEL |

Additional advice on limit values

The product contains no relevant quantities of materials with critical values that require monitoring at the workplace.

8.2. Exposure controls

Appropriate engineering controls

Ensure adequate ventilation, especially in confined areas.

Protective and hygiene measures

Take the usual precautions when handling with chemicals.

Eye/face protection

During transferring safety goggles are recommended. Protective goggles in the event of risk of splashes.

Hand protection

Protective gloves (EN 374). Neoprene gloves. (recommended: minimum protection index 2, corresponding to a permeation rate > 30 minutes according to EN 374).

Not suitable: leather gloves.

Follow the recommendations of the glove manufacturer for breakthrough properties especially for workplace conditions involving mechanical stress and contact duration. Requirements can vary as a function of the use. Therefore it is necessary to adhere additionally to the recommendations given by the manufacturer of protective gloves.

Skin protection

wear protective clothing.

Respiratory protection

Not required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|----------------------|----------------------------|
| Physical state: | Liquid |
| Colour: | Yellow |
| Odour: | Fresh / Perfumed (scented) |
| pH-Value (at 20 °C): | 7,0 (concentrated) |

Changes in the physical state

| | |
|---|-------------------|
| Melting point/freezing point: | No data available |
| Boiling point or initial boiling point and boiling range: | No data available |
| Flash point: | > 70 °C |
| Sustaining combustion: | No data available |



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Explosive properties

The product is not explosive.

| | |
|----------------------------|-------------------|
| Lower explosion limits: | No data available |
| Upper explosion limits: | No data available |
| Auto-ignition temperature: | No data available |
| Decomposition temperature: | No data available |

Oxidizing properties

Not fire-promoting.

| | |
|---------------------------------|-----------------------------------|
| Vapour pressure: (at 20 °C) | No data available |
| Density (at 20 °C): | Approximately 1 g/cm ³ |
| Water solubility: (at 20 °C) | Completely miscible |

Solubility in other solvents

No data available

| | |
|--|-------------------|
| Partition coefficient n-octanol/water: | No data available |
| Viscosity / dynamic: | No data available |
| Viscosity / kinematic: | No data available |

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

No uncommon reactivity known.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No hazardous reactions known.

10.4. Conditions to avoid

Keep from freezing. Avoid temperatures above 50°C.

10.5. Incompatible materials

No data available

10.6. Hazardous decomposition products

No decomposition if stored and applied as directed.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in GB CLP Regulation

Toxicokinetics, metabolism and distribution

The product has not been tested.

Acute toxicity

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



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| CAS No | Chemical name | | | | | |
|-----------|------------------------------|---------------|-----------|---------|--------|--------|
| | Exposure route | Dose | | Species | Source | Method |
| 112-34-5 | 2-(2-butoxyethoxy)ethanol | | | | | |
| | oral | LD50 mg/kg | 5660 | Rat | | |
| | dermal | LD50 mg/kg | 4120 | Rabbit | | |
| 2682-20-4 | 2-methylisothiazol-3(2H)-one | | | | | |
| | oral | ATE mg/kg | 100 | | | |
| | dermal | ATE mg/kg | 300 | | | |
| | inhalation vapour | ATE | 0,5 mg/l | | | |
| | inhalation aerosol | ATE | 0,05 mg/l | | | |

Irritation and corrosivity

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

Sensitising effects

May cause an allergic skin reaction. (2-methylisothiazol-3(2H)-one)

Carcinogenic/mutagenic/toxic effects for reproduction

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

No data available

SECTION 12: Ecological information

12.1. Toxicity

No data available

| CAS No | Chemical name | | | | | | |
|----------|---------------------------|---------------|-------|-----------|----------------------------|--------|--------|
| | Aquatic toxicity | Dose | | [h] [d] | Species | Source | Method |
| 112-34-5 | 2-(2-butoxyethoxy)ethanol | | | | | | |
| | Acute algae toxicity | ErC50 mg/l | > 100 | | Scenedesmus subspicatus | | |
| | Acute crustacea toxicity | EC50 mg/l | > 100 | 48 h | Daphnia magna | | |

12.2. Persistence and degradability

Product is biodegradable. (min. 90%)

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

12.3. Bioaccumulative potential

No data available



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Partition coefficient n-octanol/water

| CAS No | Chemical name | Log Pow |
|----------|---------------------------|-------------|
| 112-34-5 | 2-(2-butoxyethoxy)ethanol | 0,56 (25°C) |

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

No data available

12.6. Endocrine disrupting properties

No data available

12.7. Other adverse effects

Do not flush into surface water or sanitary sewer system.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Can be disposed of with domestic refuse, after conferring with the local waste disposal company and the corresponding authorities.

List of Wastes Code - residues/unused products

200129 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); detergents containing hazardous substances; hazardous waste

List of Wastes Code - contaminated packaging

150102 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); plastic packaging

Contaminated packaging

Disposal in accordance with local regulations.

SECTION 14: Transport information

Land transport (ADR/RID)

- 14.1. UN number:** No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
14.4. Packing group: No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

- 14.1. UN number:** No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
14.4. Packing group: No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

- 14.1. UN number:** No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
14.4. Packing group: No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

- 14.1. UN number:** No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.



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14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.

14.4. Packing group: No dangerous good in sense of this transport regulation.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

No dangerous good in sense of this transport regulation.

14.7. Maritime transport in bulk according to IMO instruments

No dangerous good in sense of this transport regulation.

SECTION 15: Regulatory information

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

EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 55

2004/42/EC (VOC): < 10 %

Information according to 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

Additional information

The product is labeled in accordance with Regulation (EC) no. 1272/2008 (GHS).

National regulatory information

Water hazard class (D): 1 - slightly hazardous to water

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Changes

This data sheet contains changes from the previous version in section(s): 1,2,3,4,5,6,7,8,9,10,11,12,14,15,16.

Abbreviations and acronyms

ADR: Accord européen relatif au transport international des marchandises Dangereuses par Route (Agreement concerning the international carriage of Dangerous goods by Road)

IMDG-Code: International Maritime Code for Dangerous Goods

ICAO: International Civil Aviation Organisation (IATA: The International Air Transport Association)

GHS: Globally Harmonized System of Classification, Labelling and Packaging of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS-Nr.: Chemical Abstracts Service

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

Classification for mixtures and used evaluation method according to GB CLP Regulation

| Classification | Classification procedure |
|--------------------|--------------------------|
| Skin Sens. 1; H317 | Calculation method |

Relevant H and EUH statements (number and full text)

| | |
|------|--|
| H301 | Toxic 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. |



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| | |
|--------|---|
| H330 | Fatal if inhaled. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |
| H412 | Harmful to aquatic life with long lasting effects. |
| EUH071 | Corrosive to the respiratory tract. |

Further Information

Data of items 4 to 8, as well as 10 to 12, do partly not refer to the use and the regular employing of the product (in this sense consult information on use and on product), but to liberation of major amounts in case of accidents and irregularities.

The information describes exclusively the safety requirements for the product(s) and is based on the present level of our knowledge.

The delivery specifications are contained in the corresponding product sheet.

This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

(n.a. = not applicable; n.d. = not determined)

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)

