



KaVo. Dental Excellence.

1 EC safety data sheet in accordance with Directive 2001/58/EC

Version date: 5/16/06

1. MATERIAL, PREPARATION AND COMPANY ID

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|---|
| 1.1. Name of the material or preparation |
| KaVo CleanOil 2025 |
| Versions: |
| <ul style="list-style-type: none"> ▪ Container with 2500 ml in master carton (Mat. No. 0.411.7570) |
| Internal versions: |
| <ul style="list-style-type: none"> ▪ Container with 2500 ml without master carton as accessory (Mat. No. 0.411.7580) |
| 1.2. Use of the material or preparation |
| Care product for KaVo instruments (handpieces and contra-angle handpieces), turbines and pneumatic motors according to the rotation principle in connection with the KaVo spray rotor "Clinic". |
| See also : KaVo product care instructions |
| 1.3. Company name |
| Kaltenbach & Voigt GmbH Bismarckring 39 D-88400 Biberach Tel.: + 49 7351 56-0 Fax: + 49 7351 56-1488 Source of information: Person in charge of safety for medical devices |
| 1.4. Emergency number |
| Fire department - national emergency number, Germany: 112 |

2. COMPOSITION/INFORMATION ON COMPONENTS

- Paraffin oil with active ingredients
- Dissolved in organic solvents

| Components requiring identification | CAS No. | EINECS No. | Mass content | Symbol | R phrases |
|-------------------------------------|------------|------------|--------------|--------|---------------|
| C(9-12)-Isoalkane | 90622-57-4 | 292-459-0 | 1 - <10 % | Xn | R10, R65, R66 |
| 2-Propanol | 67-63-0 | 200-661-7 | 1 - <10 % | F, Xi | R11, R36, R67 |

3. POSSIBLE HAZARDS

Risk phrase:

- Flammable
- Preparation is rated hazardous according to Directive 1999/45/EC.

Additional hazard instructions for people and the environment:

- Explosive air/vapour mixtures may form.

4. FIRST AID

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| After inhalation | <ul style="list-style-type: none"> ▶ Supply fresh air. ▶ If discomfort persists, consult a doctor and keep the safety data sheet/label to hand. |
| After skin contact | <ul style="list-style-type: none"> ▶ Wash immediately with soap and water and rinse thoroughly. ▶ Apply skin care cream. ▶ Remove any clothing that has been splashed. |
| After eye contact | <ul style="list-style-type: none"> ▶ Keep eyes open and rinse them for several minutes with running water. ▶ Remove any contact lenses. ▶ If discomfort persists, consult a doctor and keep the safety data sheet/label to hand. |
| After swallowing | <ul style="list-style-type: none"> ▶ Drink plenty of water immediately. ▶ Do not induce vomiting. ▶ Consult a doctor and keep the safety data sheet/label to hand. |

5. FIREFIGHTING MEASURES

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| Suitable extinguishing agents | <ul style="list-style-type: none"> ▪ Foam ▪ Dry powder ▪ Carbon dioxide ▪ Water spray jet <ul style="list-style-type: none"> ▶ Fight a large fire with a water spray jet or alcohol-resistant foam. |
| Unsuitable extinguishing agents | <ul style="list-style-type: none"> ▶ Do not use full water jet. |
| Special hazards | none known |
| Special protective equipment | No special measures are required. |



Note

Container must be removed from the area threatened by fire if this is possible without endangerment. Otherwise cool with water. Do not inhale vapours and smoke fumes. Ensure a fresh air supply.

6. MEASURES FOR UNINTENTIONAL RELEASE

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| Personal precautionary measures | <ul style="list-style-type: none"> ▶ Keep away from sources of ignition – do not smoke. ▶ Ensure sufficient ventilation. ▶ Avoid inhaling vapours. ▶ Avoid contact with eyes and skin. |
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| Environmental measures | ▶ May not enter the sewer system, surface water and/or ground water; e.g. install oil booms made of universal bonding agent |
| Cleaning procedure | ▶ Absorb leaked product using hygroscopic material (sand, silica earth, universal binder, sawdust, wipes), as described in item 13. |
| | ▶ Identify and dispose of leaky containers, as described in item 13. |

7. HANDLING AND STORAGE

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| 7.1. Handling | |
| ▶ | Keep away from sources of ignition – do not smoke. |
| ▶ | Use only in well-ventilated areas. |
| ▶ | Ensure extractor unit at the workplace, if natural ventilation is not sufficient. |
| ▶ | Prevent electrostatic charging. |

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| 7.2 Storage | |
| ▶ | Store in a cool and dry place. |
| ▶ | Store containers in a well-ventilated place. |
| ▶ | Do not store near doorways, in passages, stairwells or generally accessible corridors. |
| ▶ | Keep containers tightly closed. |
| ▶ | Observe official regulations (national: Ordinance on Industrial Safety and Health). |
| ▶ | Respect maximum storage times in accordance with printed instructions. |

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| 7.3. Specified use | |
| ▶ | Use only for intended purpose. |
| See also : User instructions, KaVo care instructions | |

8. RESTRICT EXPOSURE AND WERE PERSONAL PROTECTIVE GEAR

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| 8.1. Exposure threshold | |
| Workplace thresholds: | <ul style="list-style-type: none"> ▪ C(9-12)-Isoalkane: 1000 mg/m³, 200 ppm ▪ 2-Propanol: 500 mg/m³, 200 ppm ▪ 1-Methoxy-2 propanol): 370 mg/m³, 100 ppm |



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| Note | |
| The above limits are taken from TRGS 900 (EH40/2002 Occupational Exposure Limits) and may be checked using measurements which ensure compliance with health and safety requirements. Proper use will limit exposure and should prevent prescribed limits for the workplace from being reached. | |

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| 8.2. Limiting and monitoring exposure | |
| 8.2.1. Limiting and monitoring exposure at the workplace | ▶ Wash hands before breaks and at the end of the working day. |
| | ▶ Do not eat, drink or smoke at the workplace. |
| | ▶ Do not store with food, drinks or animal feed. |

| 8.2. Limiting and monitoring exposure | |
|---|---|
| 8.2.1.1. Respiratory protection | Not necessary if the room ventilation is sufficient. ▶ If the MAC values are exceeded, wear breathing equipment with filter A (DIN EN 141). |
| 8.2.1.2. Gloves | Not necessary if used properly. ▶ Wear protective gloves made of nitrile rubber/nitrile latex NBR (DIN EN 374) to avoid direct skin contact. ▶ Use protective skin cream. |
| 8.2.1.3. Safety goggles | Not necessary if used properly. ▶ Wear safety glasses with closable side flaps (DIN EN 166). |
| 8.2.1.4. Personal protective equipment | Not necessary if used properly. |
| 8.2.2. Limiting and monitoring environmental exposure | Not necessary if used properly. |

9. PHYSICAL AND CHEMICAL PROPERTIES

| 9.1. General information | |
|--------------------------|---|
| Appearance | Shape: liquid Colour: yellow - clear |
| Odour | characteristic |

| 9.2. Important information on health, environmental protection and safety | |
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| pH | not applicable |
| Boiling point | 158 - 175 °C |
| Flashpoint | 40 °C in accordance with DIN 51757 |
| Flammability | approx. 265 °C |
| Explosion hazard | The product is non-explosive, however explosive vapour/air mixtures may form. - bottom explosion limit: 0.6 vol.% - top explosion limit: 7.0 vol.% |
| Flammable properties | not applicable |
| Vapour pressure | not applicable |
| Relative density | 0.826 g/ml at 20 °C in accordance with DIN 51757 |
| Solubility | in water: insoluble |
| Distribution coefficient | not determined |
| Viscosity | 5.39 cSt at 40 °C |
| Vapour density | not applicable |
| Evaporation speed | not applicable |

| 9.3. Other information | |
|------------------------|--|
| none known | |

10. STABILITY AND REACTIVITY

| 10.1. Conditions to be avoided | |
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| <ul style="list-style-type: none"> ▪ Sources of ignition ▪ Naked flames ▪ Heating up | |

10.2. Substances to be avoided

- Oxidant

10.3. Hazardous decomposition products

None when used properly.

11. TOXICOLOGICAL INFORMATION

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|--------------|---|
| Inhalation | Inhalation can irritate mucous membrane. Long-term effect: Can damage the central nervous system. |
| Swallowing | Aspiration hazard. Can cause lung damage. |
| Skin contact | Skin contact can cause irritation of the skin and mucosa. |
| Eye contact | Irritation |

12. ECOLOGICAL INFORMATION**12.1. Ecotoxicity**

No data known

12.2. Mobility

No data known

12.3. Persistence and biodegradability

No data known

12.4. Bioaccumulation potential

No data known

12.5. Other harmful effects

Contains no AOX according to recipe.
Water pollution class 1 (self rating): slightly water polluting.
▶ Do not let the product enter the sewage system/surface water.

13. DISPOSAL INSTRUCTIONS**Note**

Observe local and national regulations.

Waste code according to the European waste catalog (national: Ordinance on the list of wastes AVV):

**Note**

Bottles must be completely emptied before disposal.
Recycle empty plastic bottles and packaging cardboard.

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| Product | 07 04 01 Aqueous washing liquids and mother liquors |
| Packaging cardboard | 15 01 01 Paper and cardboard packaging |

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| Drained bottle | 20 01 04 Other plastics |
| Leaked product that was bound with liquid-binding material | 15 02 02 Absorbent and filter materials (including oil filters n.o.s.) |

14. INFORMATION ON TRANSPORTING

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|------------------------------------|--|
| Maritime traffic (IMDG) | <ul style="list-style-type: none"> ▪ UN number: 1993 ▪ Class: 3 ▪ Technical name: Flammable liquid, n.o.s. (C(9-12)-isoalkane, alcohol) ▪ Additional hazard: - ▪ Packaging group: III ▪ Ocean pollutant: no ▪ Limited amount: 5 l ▪ EmS: F-E, S-E ▪ Sent as "packaged limited amount" according to section 3.4 IMDG code. |
| Surface and rail traffic (ADR/RID) | <ul style="list-style-type: none"> ▪ UN number: 1993 ▪ Class: 3 ▪ Name: Flammable liquid material, not otherwise specified ▪ Classification code: F1 ▪ Packaging group: III ▪ Hazard label: 3 ▪ Released by the ADR (GGVS/E) since some is packaged according to section 3.4 ADR – LQ7. |
| Air traffic (ICAO/IATA) | <ul style="list-style-type: none"> ▪ UN number: 1993 ▪ Class: 3 ▪ Correct shipping ID: Flammable liquid, n.o.s. (C(9-12)-Isoalkane, Alcohol) ▪ Additional hazard: - ▪ Packaging group: III ▪ Hazard symbol: Flammable liquid |

15. REGULATIONS

The product does not need to be identified according to the EC Directives and the GefStoffV (Hazardous Substance Ordinance).

| 15.1. EU regulations | |
|-----------------------------|--|
| Hazard symbol/ hazard ID | - |
| R phrases | <ul style="list-style-type: none"> ▪ R10 – Flammable |
| S phrases | <ul style="list-style-type: none"> ▪ S2 – Keep out of the reach of children ▪ S16 – Keep away from sources of ignition - no smoking. ▪ S7 – Keep containers sealed. |
| Special ID | - |

| 15.2. National regulations | |
|----------------------------|-------------------------|
| TRGS 905 | CAS No.: not applicable |
| Malfunction V | not applicable |

| 15.2. National regulations | |
|---|---|
| Water pollution class | WGK 1 (VwVwS): slightly water polluting |
| Information on Directive 1999/13/EC on the restriction of emissions of volatile organic compounds (VOC Directive) | 25% w/w (VOC-CH: 625 g/2.5 l) |
| Restriction and prohibitions | not applicable |
| Workplace identifications according to BGV A8 | - |

16. OTHER INFORMATION

| | |
|-----------------------------------|--|
| R phrases | <ul style="list-style-type: none"> ▪ R10 – Flammable. ▪ R65 – Harmful to health: Can cause lung damage when swallowed. ▪ R66 – Repeated contact can lead to brittle or cracked skin. ▪ R11 – Highly flammable. ▪ R36 – Irritates eyes. ▪ R67 – Vapours can cause drowsiness and dazedness. |
| Training instructions | - |
| Sources | <ul style="list-style-type: none"> ▪ Directive 1999/45/EC ▪ Directive 67/548/EEC (materials list) ▪ Restriction Directive 76/769/EEC ▪ Directive 91/155/EEC |
| Revision of the safety data sheet | <ul style="list-style-type: none"> ▪ 006-08-04: Revision according to Directive 2001/58/EC. |



Note

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Note

Only for use in conjunction with the corresponding KaVo products according the instructions for use. Not to be used in homes or for other purposes. In case of contact or mixture with other products, check if other hazards may arise. The presented information does not free the user of the product from observing all guidelines regarding safety, hygiene, health and environmental protection.