

Safety Data Sheet

according to 91/155/EEC

1. Product identification/preparation/company undertaking

Trade name: **KwikModel ® Anti-Bond-Spray**
Order-No.: **KMA1010**

Manufacturer: R-dental Dentalerzeugnisse GmbH
Winterhuder Weg 88
D-22085 Hamburg
Germany

Emergency information:
Dr. Andreas Sprafke
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2. Composition/information of ingredients

Chemical characterization: Solution of paraffines in hexanes.
Discription: -

CAS-No.: [110-54-3]
Name: n-HEXANES
R-classification: R 11-38-48/20-62-51/53-65-67, Xn, N.

CAS-No.: [75-28-5]
Name: ISOBUTANE
R-classification: F+, R 12.

CAS-No.: [74-98-6]
Name: PROPANE
R-classification: F+, R 12.

3. Hazards identification

Risk identification: Highly flammable.
The can is pressureised. Do not open when empty.
Special risks for human beings and environment:
Highly flammable, irritating for eyes and skin. Prevent temperatures > 122 ° F.
Classification: Classification corresponds to present EEC guidelines,
additionally information by literature.

4. First-aid measures

General information after skin contact: Wash with plenty of water and soap.
General information after eye contact: Rinse with plenty of water.

General information after inhalation: Take fresh air.

General information after swallowing: -

5. Fire fighting measures

Extinguishing media: Foam, powder, CO₂, sand.

Protective equipment: -

6. Accidental release measures

Personal precautions: Supply fresh air to working area.

Do not inhale vapours/aerosols.

Environmental precautions: Do not let liquid material come into contact with the environment.

Methods for cleaning up liquid material: Wipe out with absorbent materials.

7. Handling and storage

Handling procedures: This product should only be used by a dentist or a licensed professional.

Recommendation for fire and explosion protection:

Keep away from heat and ignition sources. Do not smoke.

Storage: Store at dry place at 59-73 ° F.

Protect from light, store in well ventilated rooms at room temperature.

Requirements at store rooms and containers: -

Requirements for storage with other products: Keep away from food stuffs.

Additional storage conditions: -

Storage classification: -

8. Exposure controls/personal protection

Additional informations: Use under exhausting conditions, away from heat and ignition sources.

Components with limits of value to be supervised at the workplace

CAS-No.: [110-54-3]

Name: n-HEXANES

Art: TRGS900

Value: MAK 50 ml/m³ or 180 mg/m³

Additional information: -

Personal protective equipment: Working clothes.

Change contaminated clothes immediately.

General measures of protection and hygiene: Do not eat, drink or smoke during handling; avoid contact with eyes or skin.

Respiration: Required when vapours/aerosols are generated.

Hands: Wear gloves (Nitrile rubber) and handle material carefully.

Eyes: Glasses are recommended.

9. Physical and chemical properties

Appearance

Form: Liquid, aerosole

Colour: Colourless

Odour: Characteristic

Information on change in the physical state (Value, unit, method)

Melting point/melting range: -

Boiling point/boiling range: About 158 °F

Flash point: About - 40 °F

Autoignation temperature: > 392 °F

Danger of explosion: Vapours can generate explosible mixtures with air in conjunction with ignition sources.

Density: 0,60 g/cm³ (68 °F)

Vapour pressure: about 100 mbar

Viscosity: -

pH: neutral

Solubility in/miscibility with: Soluble in organic solvents.

Water solubility: Not soluble.

Content of solvents: -

Organic solvents: n-hexanes.

Water: -

Content of solids: -

10. Stability and reactivity

Stability and reactivity: Avoid heat of more than 122 ° F.

Incompatibility with other substances: If product is correctly stored, no hazardous reactions are expected.

11. Toxicological information

Acute toxicity: LD 50 (oral, rat): 28710 mg/kg (n-hexanes).

Primary irritation skin: Irritating (Xi). Danger of skin absorption.

Eye: Slight irritations. Risks of corneal clouding.

Inhalation: Irritation symptoms in the respiratory tract.

Ingestion: Nausea.

Sensitization of product: Not observed

Additional toxicological information: During the long period of use in dental technician laboratories and dental offices no health diseases are reported.

12. Ecological information

General information:

General information: Do not rinse into the groundwater.

Degrance: Do not let the material come in contact with the environment.
Fish toxicity: Do not let the material come in contact with the environment.
Classification of water endangerment: WGK = 2.
Additional information: -

13. Disposal consideration

Recommendation: Use proper landfill disposal in accordance with local, state and federal regulations
Disposal key number: 14 06 03 like other solvents.
Uncleaned packaging: Dispose packaging like product itself.

14. Transport information

Transport information:

Landtransport RID/ADR, GGVS/GGVE: UN 1950 AEROSOLS 2.1

Sea transport ADN/ADNR, IMDG/GGV: UN 1950 AEROSOLS 2.1

Air transport ICAO-TI, IATA-DGR, PAX: UN 1950 AEROSOLS 2.1

The transport regulations are cited according to international regulations and in the form applicable in Germany (GGVS/GGVE). National deviations in other countries are not considered.

15. Regulatory information

Classification according to EEC-guidelines and GEFStoffV/EG:

F+ Highly flammable

Xn Harmful

N Dangerous for the environment

R 12-38-48/20-62-51/53 Highly flammable. Irritating to skin.

Harmful: danger of serious damage to health by prolonged exposure through inhalation.

Possible risk of impaired

fertility. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S 9-16-29-36/37-62 Keep container in a well ventilated place. Keep away from sources of ignition – no smoking. Do not empty into drains. Wear suitable protective clothing and gloves. If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

National prescriptions: National classification according to VbF: 3 A.

16. Other informations

The above information is based on our present day knowledge and relates solely to the safety requirements of the product. The data do not signify any warranty with regards to product properties. However users of the product should satisfy themselves that the information given above is sufficient and correct for their circumstances of use.

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