

Material Safety Data Sheet

Trade name: **anaxBLEND divorce**

Printing date 01.02.2012

Version 1

1 Identification of substance:

- **Product details:**
- **Trade name:** anaxBLEND divorce
- **Article number:** 20700010
- **Application of the substance / the preparation:**
Isolating fluid silicone vs. silicone. For dental use only.
- **Manufacturer / Supplier:**
anax dent GmbH Olgastrasse 120A D-70180 Stuttgart
Tel. 0049 711 620092.0 Fax 0049 711 620092.29 email: info@anaxdent.com
- **Further information obtainable from:** Mr. Andreas Kopietz

2 Hazard identification and hazards to man and the environment

Highly flammable.
Irritating to skin.
Harmful: May cause lung damage if swallowed. Vapours may cause drowsiness and dizziness.
Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3 Composition / Data on components:

Chemical characterization of the mixture:

- **Description:** Solution of paraffin waxes / hydrocarbon waxes in cyclohexane.
- **Hazardous ingredients:**

Chemical name	Concentration (% by weight)	CAS No.	Index No.	R-phrases	Hazard symbols
Cyclohexane	70-95	110-82-7	203-806-2	R 11-65-38-67- 50/53	F, Xn, Xi, N
Paraffin waxes / hydrocarbon waxes	5-30	8002-74-2	232-315-6		

- **Ingredients with EC concentration limits:** -
Please see chapter 16. OTHER INFORMATION for the wording of the above mentioned R-phrases.

4 First aid measures

- **After inhalation:** Move victim to fresh air. Consult a physician immediately.
- **After contact with skin:** Wash off with soap and plenty of water.
- **After contact with eyes:** Rinse immediately with plenty of water with eye held open. Consult a doctor.
- **After ingestion:** Call a physician immediately. Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting. Should vomiting occur, be sure to keep victim's head below hips to avoid aspiration of vomitus into the lungs.

5 Fire fighting measures

- **Suitable extinguishing agents:** Water spray, foam, carbon dioxide (CO₂), dry powder.
- **For safety reasons unsuitable extinguishing agents:** -
- **Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases:** Product is flammable. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from sources of ignition – No smoking.
- **Special protective equipment for fire-fighters:** -

6 Accidental release measures

- **Personal precautions and methods for cleaning up:** Avoid coming into contact with the following substance/substance classes: Product.
Do not breathe in vapours or aerosols.
- **Measures for environmental protection:** Avoid penetration into drainage system or in rooms situated at a lower level because of danger of explosion. Do not allow entrance in drainage systems, sewage water, groundwater or soil.
- **Measures for cleaning / collecting:** Absorb with liquid-binding material (e.g. inert absorbent binder) and pick up. Dispose of contaminated material as a waste in a correct manner.

Material Safety Data Sheet

Trade name: **anAXBLEND divorce**

<ul style="list-style-type: none">• Environmental precautions: Please see chapters 8. EXPOSURE CONTROLS/PERSONAL PROTECTION and 13.DISPOSAL CONSIDERATIONS.
7 Handling and storage Handling <ul style="list-style-type: none">• Precautions for safe handling: Keep container tightly closed in a dry, cool and well-ventilated place. Keep away from sources of ignition – No smoking. Storage <ul style="list-style-type: none">• Precautions for safe storage: Keep container tightly closed in a dry, cool and well-ventilated place. Recommended storage temperature 15-25°C.
8 Exposure controls and personal protection gear <ul style="list-style-type: none">• Occupational exposure limit values and/or biological values: -• a) Minimisation of exposure and exposure control<ul style="list-style-type: none">• Equipment for individual protection: The type of equipment for individual protection has to be chosen according to concentration and quantity of hazardous compounds.• Respiratory protection: Apply respirator with brown A-type filter.• Protection of hands: Wear protective gloves made of the following materials: Nitrile rubber, fluorinated rubber.• Skin protection: No protective suit or boots are necessary, if the product is used as indicated.• Eye protection: Safety glasses with side-shields.• b) Specific hygiene measures If there is the possibility of skin/eye contact, the indicated hand/eye/body protection should be used. Remove contaminated or saturated clothing. No eating, drinking, smoking or snuffing tobacco at work. Wash face and/or hands before breaks and end of work. Do not inhale vapours / aerosols.• c) Environmental exposure controls Please see chapter 6. ACCIDENTAL RELEASE MEASURES and 7.HANDLING AND STORAGE. No further methods are required.
9 Physical and chemical properties: <ul style="list-style-type: none">• General information Form: liquid Colour: colourless Odour: characteristic• Lower explosive limit: 1,2 Vol % (Cyclohexane)• Upper explosive limit: 8,3 Vol % (Cyclohexane)• Vapour pressure (20°C): 103 hPa / mbar (Cyclohexane)• Density (20°C): 0,78g/cm³ (Cyclohexane)• Water solubility (20°C): < 0,1 g/l (Cyclohexane).• Boiling point / range (1013 mbar): 81°C (Cyclohexane)• Melting point: 7°C (Cyclohexane)• Flash point: -18°C (Cyclohexane)• Ignition temperature: 260°C (Cyclohexane) Additional physician and chemical properties are not available.
10 Stability and reactivity <ul style="list-style-type: none">• Conditions to avoid: Thermal decomposition: Heat.• Materials to avoid: Strong oxidizing agents, nitrogen oxides (NOx).• Hazardous decomposition products: Highly flammable. Formation of flammable or explosive vapour/air mixtures possible.
11 Toxicological information If gas/fumes/aerosols occur for short periods: Irritation of mucous membranes (nose, throat, eyes) possible. Formation of a toxic lung edema is possible if product continues to be inhaled despite acute irritative effect (e.g. if it is not possible to leave the danger area).

Material Safety Data Sheet

Trade name: **anAXBLEND divorce**

The toxicological classification of the preparation was made according to DIRECTIVE 1999/45/EC concerning the approximation of the laws, regulations and administrative provisions of the Member States relating to the classification, packaging and labelling of dangerous preparations.

- **Information on ingredients:** LD50 (oral, rat): >12000 mg/kg

12 Ecological information:

- **Acute bacterial toxicity:** EC0 Pseudomonas putida: < 400mg/l
- **Acute toxicity on fishes:** LC50 Leuciscus idus melantus: 55kg/l.
- **Further information:** Do not empty into drains or the aquatic environment. Leakage into the environment must be prevented.

13 Disposal considerations

Product:

- **Recommendation:** Obey and follow local waste disposal regulations.
- **Disposal and six-digit waste code according to 2000/532/EC:**
Disposal according to local authority regulations.
Classified as hazardous waste.

14 Transport information

- **Transport by road / rail ADR/RID:**



- ADR/RID-GGVS/E class: 3 (F1) Flammable Liquids
- UN-Number: 1145 Identification of the substance:
- Identification of the substance: 1145 CYCLOHEXANE
- Limited quantity (LQ): LQ4
- Shipment categorie: 2
- Tunnel restriction code: D/E

- **Transport by sea IMDG/GGVSee:**



- IMDG Code: Class 3
- UN-Number: 1145
- EMS: F-E,S-D
- Marine pollutant: Yes (P)
- Proper technical name: CYCLOHEXANE

- **Transport by air ICAO-TI and IATA-DGR:**



- ICAO/IATA-Class: 3
- UN/ID-Number: 1145
- Proper technical name: CYCLOHEXANE
- **UN "Model Regulation":** UN 1145, CYCLOHEXANE, 3, II
Environmental hazards: Harmful to the environment, liquid; Marine Pollutant.

15 Regulations

- **Labelling according to EU Directive:**
Symbols and indications of danger: F Highly flammable
Xn Harmful
N Dangerous for the environment
- **Determinant ingredient for labelling contains:** Cyclohexane.
- **R phrases:** R11 Highly flammable.

Material Safety Data Sheet

Trade name: **anAXBLEND divorce**

R65 Harmful: may cause lung damage if swallowed.
R38 Irritating to skin.
R67 Vapours may cause drowsiness and dizziness.
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

- **S-phrases:** S9 Keep container in a well-ventilated place.
S16 Keep away from sources of ignition – No smoking.
S25 Avoid contact with eyes.
S33 Take precautionary measures against static discharges.
S60 This material and its container must be disposed of as hazardous waste.
S61 Avoid release to the environment. Refer to special instructions/safety data sheets.
S62 If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.
- **Other information:** Keep away from sources of ignition – No smoking. Product is flammable. Heavier than air vapour. Formation of flammable or explosive vapour/air mixtures possible.
- **EC Regulations:** Symbols: F Highly flammable, Xn Harmful, N Dangerous for the environment.
- **Safety assessment:** A safety assessment of ingredients of this preparation was not performed.
- **National regulations:** Effects on the aquatic environment:
Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Related to substance: Cyclohexane according to VwVwS, Annex 4 (Germany).

16 Other information:

- **Included EC Directives / Regulations:**
- DIRECTIVE 1999/45/EC concerning the approximation of the laws, regulations and administrative provisions of the Member States relating to the classification, packaging and labelling of dangerous preparations.
- DIRECTIVE 2006/121/EC amending Council Directive 67/548/EEC on the approximation of laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances in order to adapt it to Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) and establishing a European Chemicals Agency.
- REACH regulation (EC) No. 1907/2006.
- **Non-statutory recommendations by supplier:** Only for professional, industrial use – not for public, non-professional use.
- **Full text of R phrases referred to under section 3:**
R11 Highly flammable.
R65 Harmful: may cause lung damage if swallowed.
R38 Irritating to skin.
R67 Vapours may cause drowsiness and dizziness.
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- **References:** <http://www.baua.de>
<http://www.arbeitssicherheit.de>
- **Further information:** This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
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- **Department issuing MSDS:** anax dent GmbH
- **Contact:** Mr. Andreas Kopietz
- **Abbreviations and acronyms:**
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

Material Safety Data Sheet

Trade name: **anaxBLEND divorce**

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent