

SECTION 1. Product identification/preparation/company undertaking**1.1 Product identifier**

Product name: BISICO Gingiform Separator
(various packaging variants)

Trade number: 05400, 05420

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

No further relevant information available.

Application of the substance / the mixture:

Separating Agent

1.3. Details of the supplier of the safety data sheet:

BISICO Bielefelder Dentsilicone GmbH & Co. KG

Johanneswerkstraße 3

D-33611 Bielefeld

Tel.: +49 521 8016800

Fax: +49 521 8016801

Email: info@Bisico.de

responsible for the Safety Data Sheet: Sebastian Zimmermann

1.4. Emergency telephone number:

BISICO Bielefelder Dentsilicone GmbH & Co. KG

Tel.: +49 521 8016800 (08:00-16:00 PM)

Fax: +49 521 8016801

S. Zimmermann

SECTION 2. Hazards identification**2.1 Classification of the substance or mixture:****2.1.1 Classification according to Regulation (EC) No 1272/2008:**

Flam. Liq. 1, H224 Extremely flammable liquid and vapor

Repr. 2; H361f; Suspected of damaging fertility or the unborn child

STOT RE 2; H373 May cause damage to organs through prolonged or repeated exposure.

Asp. 1; H304 May be fatal if swallowed and enter airways

Skin Irrit. 2, H315 Causes skin irritation

STOT SE 3; H336 May cause drowsiness or dizziness

Aquatic Chronic 2, H411 Toxic to aquatic life with long lasting effects

2.1.2 Information concerning particular hazards for human and environment:

The product has to be labeled due to calculation procedure for the "General Classification guideline for preparations of the EU" in the latest version.

2.2 Label elements**Labeling according to Regulation (EC) 1272/2008:****Hazard pictograms****Signal word**

Danger

Hazard statements

H224 Extremely flammable liquid and vapor
 H361f; Suspected of damaging fertility or the unborn child
 H373 May cause damage to organs through prolonged or repeated exposure.
 H304 May be fatal if swallowed and enter airways
 H315 Causes skin irritation
 H336 May cause drowsiness or dizziness
 H411 Toxic to aquatic life with long lasting effects

Precautionary statements

P301 + P310 IF SWALLOWED: immediately call a POISON CENTER or doctor/physician
 P331 Do NOT induce vomiting
 P403 Store in a well-ventilated place.
 P210 Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
 P260 Do not breathe dust/fume/gas/mist/vapors/spray
 P281 Use personal protective equipment as required.
 P271 Use only outdoors or in well ventilated areas.

Reduced labeling (≤ 125 ml)

Hazard pictograms

**Signal word**

Danger

Hazard statements

H224 Extremely flammable liquid and vapor
 H304 May be fatal if swallowed and enter airways
 H361f; Suspected of damaging fertility or the unborn child

Precautionary statements

P301 + P310 IF SWALLOWED: immediately call a POISON CENTER or doctor/physician
 P331 Do NOT induce vomiting

2.3 Other hazards**Results of PBT and vPvB assessment**

PBT: not applicable

vPvB: not applicable

SECTION 3. Composition/Information of Ingredients**3.1 Substances:**

not applicable

3.2 Mixtures:**Description:**

Solution of paraffines in hexane

Hazardous components:

CAS 110-54-3; EG 203-777-6	n-hexane	GHS02, GHS07, GHS08, GHS09 H225, H361f, H304, H373, H315, H3396, H411
CAS 75-28-5; EG 200-857-2	isobutane	GHS02, H224
CAS 74-98-6; EG 200-827-9	propane	GHS02, H224

SECTION 4. First-aid measures**4.1 Description of first aid measures:**

General information: Seek medical advice, if symptoms occur, which can be caused by the product

after skin contact: Wash off with plenty of water and soap and rinse thoroughly.

After inhalation: Fresh air. Consult a physician..

After eye contact: Rinse opened eye for several minutes under running water and consult an ophthalmologist..

After swallowing: Rinse out mouth and then drink plenty of water. Caution if victim vomits. Risk of aspiration! Keep airways free. Call a physician immediately.

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

Information not available

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

Information not available

SECTION 5. Fire fighting measures**5.1 Extinguishing media:**

CO₂, powder, sand. Do not use water.

5.2 Special hazards arising from the substance or mixture:

No further relevant information available

5.3 Advice for firefighters:

Protective equipment Wear self-contained respiratory protective equipment

SECTION 6. Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures:**

Do not inhale vapors/aerosols. Avoid substance contact. Ensure supply of fresh air in enclosed rooms. Keep away from ignition sources.

6.2 Environmental precautions:

Do not allow to enter drains/surface water/ ground-water.

6.3 Methods for cleaning up:

Absorb with liquid binding material. Forward for disposal. Clean up affected area.

6.4 Reference to other sections:

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment

See Section 13 for disposal information

SECTION 7. Handling and storage**Handling:**

This product should only be supplied or handled to dentists or dental technicians or upon their instructions.

7.1 Precautions for safe handling: Observe normal care for working with chemicals. Keep containers closed. Use only in well ventilated areas. Do not inhale substance. Keep away from heat and direct sunlight.

Information about fire and explosion protection: Keep away from heat and ignition sources, do not smoke. Do not spray on flames or red-hot objects.
Beware: Container is pressurized. Keep away from direct sun exposure and temperatures over 50°C. Do not open by force or throw into fire even after use.

7.2. Conditions for safe storage, including any incompatibilities:

Storage: Store at a cool and dry place. Store tightly closed. Storage temperature 15-25°C (60-80°F).

Requirements at storerooms and containers: Store only in the original containers

Further information on storage conditions:

Store away from food stuffs.

Heat will increase pressure and may lead to the container exploding. Protect from heat and direct sunlight.

7.3. Specific end use(s):

No further relevant information available

SECTION 8. Exposure controls/personal protection**8.1. Control parameters:****Components with limits of values to be supervised at the workplace:**

CAS-No.	name	art	value	unit
[110-54-3]	n-hexane	MAK	50 ml/m ³	180mg/m ³
[75-28-5]	isobutane	MAK	1000 ml/m ³	2400mg/m ³
[74-98-6]	propane	MAK	1000 ml/m ³	1800mg/m ³

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. Keep away from foodstuffs and beverages. Do not inhale gases/fumes/aerosols.

Hand protection

Protective gloves.

Due to missing tests no recommendation to the glove material can be given for the product.

Eye protection: safety glasses

Respiratory protection: Required, when vapors/aerosols are generated.

SECTION 9. Physical and chemical properties**Information on basic physical and chemical properties****Appearance**

Form:	liquid
Color:	colorless
Odor:	characteristic
	<u>Value</u> <u>Unit</u> <u>Method</u>

Safety relevant basic data

Melting point/melting range:	n.a.
Boiling point/boiling range:	n.d.
Flash point:	ca. -40 °C
Ignition temperature:	Product is not selfigniting
Danger of explosion:	Product is not explosive. However, formation of explosive air/vapor mixtures is possible
Critical values for exposure	lower: 1,2 Vol%, upper 10,9 Vol%
Density:	0.60 (20 °C) g/cm ³
Vapor pressure:	n.a.
pH:	neutral
Solubility in/miscibility with:	miscible with most organic solvents; alcohols
Water:	insoluble
Content of solvents:	
Organic solvents:	n-hexane
9.2. Other information:	no information available

SECTION 10. Stability and reactivity**10.1. Reactivity:****10.2. Chemical stability:**

10.3 Possibility of hazardous reactions: no information available

10.4 Conditions to avoid: Protect from heat and direct sunlight. Forms explosive gas mixture with air. Danger of containers bursting at temperatures >55°C because of high vapor pressure.

10.5 Incompatible materials:

10.6 Hazardous decomposition products: No information available.

SECTION 11. Toxicological information**11.1. Information on toxicological effects:****Acute toxicity: (n-hexane)**

LD50 (oral, rat): 28710 mg/kg (n-hexane)

Primary irritation:

skin: Irritating for skin and mucous membrane.

eye: Slight irritations possible.

Sensitization: No sensitizing effect known.

Additional toxicological information:

If handled in accordance with good industrial hygiene and safety practice and according to specifications no health diseases are reported.

SECTION 12. Ecological information

General information: Do not allow to enter drains/canalization/ground-water

12.1. Toxicity: Information not available.

12.2. Persistence and degradability: Information not available.

12.3. Bioaccumulative potential: Information not available.

12.4. Mobility in soil: Information not available.

12.5. Results of PBT and vPvB assessment: **PBT:** not applicable
vPvB: not applicable

12.6. Other adverse effects:

Classification of water endangerment: The product contains materials that are harmful for the environment. Toxic for aquatic organisms.WGK=2 (polluting substance).

SECTION 13. Disposal consideration

13.1. Waste treatment methods:

Product:

Recommendation:

Use proper landfill disposal or incineration in accordance with local, state and federal regulations.

Uncleaned packaging: Packaging that cannot be cleaned are to be disposed of in the same manner as the product.

Recommendation: Disposal must be made according to official regulations

SECTION 14. Transport information

14.1 UN-Number ADR, ADN, IMDG, IATA: 1950

14.2 UN proper shipping name ADR, ADN, IMDG, IATA: AEROSOLS, flammable, 2.1

14.3 Transport hazard class(es) ADR, ADN, IMDG, IATA
Class:

Land transport ADR/RID and GGVS/GGVE (Germany):

UN 1950

AEROSOLS, flammable, 2.1

Sea transport IMDG:

UN 1950

AEROSOLS, flammable, 2.1

Air transport ICAO-TI and IATA-DGR:

UN 1950

AEROSOLS, flammable, 2.1

14.4 Packing group ADR, IMDG, IATA: 2.1

14.5 Environmental hazards Marine pollutant: No

14.6 Special precautions for user: -

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: -

UN "Model Regulation":

The transport regulations are cited according to international regulations and in the form applicable in Germany. Possible national deviations in other countries are not considered.

SECTION 15. Regulatory information

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

Classification according to EC-guidelines:

The product has to be labelled according to EC-regulations or the corresponding national regulations.

15.2 Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

SECTION 16. Other information:

Changes compared with the previous version: 1.1 Product identifier

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 products properties. However users of the product should satisfy themselves that the information given is sufficient and correct for their specific circumstances of use.

Preparation by:

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