

according to Regulation (EC) No 1907/2006

GI-Mask Activator

Revision date: 18.06.2015

Print date: 22.02.2018

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

GI-Mask Activator

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

Activator.

1.3. Details of the supplier of the safety data sheet

| | |
|-------------------------|--|
| Company name: | COLTENE/Whaledent AG |
| Street: | Feldwiesenstrasse 20 |
| Place: | CH-9450 Altstätten |
| Telephone: | +41 (71) 75 75 300 |
| Telefax: | +41 (71) 75 75 301 |
| e-mail: | info.ch@coltene.com |
| Internet: | www.coltene.com |
| Responsible Department: | Regulatory Affairs msds@coltene.com |

1.4. Emergency telephone number: +41 (0) 44 251 51 51 - Tox Info Suisse (24 h)

Further Information

Only supplied to dentists and dental laboratories or upon their instructions

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

Hazard categories:

Flammable liquid: Flam. Liq. 3

Skin corrosion/irritation: Skin Irrit. 2

Serious eye damage/eye irritation: Eye Irrit. 2

Specific target organ toxicity - single exposure: STOT SE 3

Specific target organ toxicity - repeated exposure: STOT RE 2

Hazardous to the aquatic environment: Aquatic Chronic 4

Hazard Statements:

Flammable liquid and vapour.

Causes skin irritation.

Causes serious eye irritation.

May cause respiratory irritation.

May cause damage to organs through prolonged or repeated exposure.

May cause long lasting harmful effects to aquatic life.

2.2. Label elements**Regulation (EC) No. 1272/2008****Hazard components for labelling**

Alkyl silicates

Signal word: Warning**Pictograms:**

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Hazard statements

| | |
|------|--|
| H226 | Flammable liquid and vapour. |
| H315 | Causes skin irritation. |
| H319 | Causes serious eye irritation. |
| H335 | May cause respiratory irritation. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |
| H413 | May cause long lasting harmful effects to aquatic life. |

Precautionary statements

| | |
|----------------|--|
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P302+P352 | IF ON SKIN: Wash with plenty of water. |
| P332+P313 | If skin irritation occurs: Get medical advice/attention. |
| P304+P340 | IF INHALED: Remove person to fresh air and keep comfortable for breathing. |
| P314 | Get medical advice/attention if you feel unwell. |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P337+P313 | If eye irritation persists: Get medical advice/attention. |
| P273 | Avoid release to the environment. |

SECTION 3: Composition/information on ingredients**3.2. Mixtures****Hazardous components**

| CAS No | Chemical name | Quantity |
|------------|---|-------------|
| | EC No | |
| | Index No | |
| | REACH No | |
| | Classification according to Regulation (EC) No. 1272/2008 [CLP] | |
| | Alkyl silicates | 25 - < 30 % |
| | Flam. Liq. 3, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, STOT SE 3, STOT RE 2, Aquatic Chronic 4; H226 H332 H315 H319 H335 H373 H413 | |
| 24577-34-2 | Diocetyl tin dicarboxylate | 1 - < 5 % |
| | 246-325-3 | |
| | STOT RE 2, Aquatic Chronic 4; H373 H413 | |

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

SECTION 4: First aid measures**4.1. Description of first aid measures****After contact with skin**

After contact with skin, wash immediately with: Water and soap.

After contact with eyes

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

After ingestion

Seek medical attention if problems persist.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**Water. Foam. Extinguishing powder. Carbon dioxide (CO₂). Sand.

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Additional information

Co-ordinate fire-fighting measures to the fire surroundings.

SECTION 6: Accidental release measures**6.2. Environmental precautions**

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Wipe up with absorbent material (eg. cloth, fleece). Clear contaminated areas thoroughly.

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

Avoid contact with skin and eyes.

Observe instructions for use.

Further information on handling

After use replace the closing cap immediately.

7.2. Conditions for safe storage, including any incompatibilities**Further information on storage conditions**

Keep the packing dry and well sealed to prevent contamination and absorption of humidity.

Recommended storage temperature: 15 - 23 °C

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****8.2. Exposure controls****Protective and hygiene measures**

When using do not eat, drink or smoke.

Eye/face protection

Framed glasses.

Hand protection

Single-use gloves.

Skin protection

Lab apron.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

| | |
|-----------------|----------------|
| Physical state: | liquid |
| Colour: | colourless |
| Odour: | characteristic |

Test method**Changes in the physical state**

Initial boiling point and boiling range: >150 °C

Density (at 23 °C): 1.0 g/cm³Water solubility:
(at 23 °C) insoluble**Solubility in other solvents**

ketone.

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

The product is chemically stable under recommended conditions of storage, use and temperature.

10.4. Conditions to avoid

Air, humid.

Further information

Keep the packing dry and well sealed to prevent contamination and absorption of humidity.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute toxicity**

LD50: >2000 mg/kg (Rat)

The statement is derived from products of similar composition.

| CAS No | Chemical name | | | | |
|------------|--------------------------|-----------------|---------|--------|--------|
| | Exposure route | Dose | Species | Source | Method |
| | Alkyl silicates | | | | |
| | inhalative vapour | ATE 11 mg/l | | | |
| | inhalative aerosol | ATE 1,5 mg/l | | | |
| 24577-34-2 | Dioctyltin dicarboxylate | | | | |
| | oral | LD50 2764 mg/kg | Rat | | |
| | dermal | LD50 2764 mg/kg | Rabbit | | |

Irritation and corrosivity

Causes serious eye irritation.

Irritant effect on the skin: (Rabbit)

Not an irritant.

The statement is derived from products of similar composition.

Sensitising effects

Guinea-pig.

no danger of sensitization.

The statement is derived from products of similar composition.

STOT-single exposure

May cause respiratory irritation.

STOT-repeated exposure

May cause damage to organs through prolonged or repeated exposure.

SECTION 12: Ecological information**12.1. Toxicity**

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| CAS No | Chemical name | | | | | |
|------------|----------------------------|--------------|-----------|---------|---------------|--------|
| | Aquatic toxicity | Dose | [h] [d] | Species | Source | Method |
| 24577-34-2 | Diocetyl tin dicarboxylate | | | | | |
| | Acute fish toxicity | LC50 mg/l | 22.8 | 96 h | | |
| | Acute crustacea toxicity | EC50 mg/l | 12.2 | 48 h | Daphnia magna | |

Further information

May cause long-term adverse effects in the aquatic environment.
Do not allow uncontrolled leakage of product into the environment.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Advice on disposal**

Can be burnt together with household waste in compliance with official regulations in contact with approved waste disposal companies and with authorities in charge.

SECTION 14: Transport information**Land transport (ADR/RID)****14.1. UN number:** -----**Marine transport (IMDG)****14.1. UN number:** -----**Air transport (ICAO-TI/IATA-DGR)****14.1. UN number:** -----**Other applicable information**

Not a hazardous material with respect to these transportation regulations.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulatory information****Additional information**

SECTION 16: Other information**Relevant H and EUH statements (number and full text)**

H226 Flammable liquid and vapour.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H373 May cause damage to organs through prolonged or repeated exposure.
H413 May cause long lasting harmful effects to aquatic life.

Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal.

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

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

GI-Mask Universal Separator

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

Separator
for dental use only
Reserved for industrial and professional use.

*

1.3. Details of the supplier of the safety data sheet

| | |
|-------------------------|--|
| Company name: | COLTENE/Whaledent AG |
| Street: | Feldwiesenstrasse 20 |
| Place: | CH-9450 Altstätten |
| Telephone: | +41 (71) 75 75 300 |
| Telefax: | +41 (71) 75 75 301 |
| e-mail: | info.ch@coltene.com |
| Internet: | www.coltene.com |
| Responsible Department: | Regulatory Affairs msds@coltene.com |

1.4. Emergency telephone number: +41 (0) 44 251 51 51 - Tox Info Suisse (24 h)

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

Hazard categories:
Aerosol: Aerosol 1
Skin corrosion/irritation: Skin Irrit. 2
Specific target organ toxicity - single exposure: STOT SE 3
Hazardous to the aquatic environment: Aquatic Chronic 2
Hazard Statements:
Extremely flammable aerosol.
Pressurised container: May burst if heated.
Causes skin irritation.
May cause drowsiness or dizziness.
Toxic to aquatic life with long lasting effects.

*

2.2. Label elements**Regulation (EC) No. 1272/2008****Hazard components for labelling**

hydrocarbons, C6, isoalkanes, < 5 % n-Hexane
isopropyl acetate

*

Signal word: Danger

Pictograms:



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Hazard statements

| | |
|------|--|
| H222 | Extremely flammable aerosol. |
| H229 | Pressurised container: May burst if heated. |
| H315 | Causes skin irritation. |
| H336 | May cause drowsiness or dizziness. |
| H411 | Toxic to aquatic life with long lasting effects. |

Precautionary statements

| | |
|-----------|--|
| P261 | Avoid breathing dust/fume/gas/mist/vapours/spray. |
| P273 | Avoid release to the environment. |
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P211 | Do not spray on an open flame or other ignition source. |
| P251 | Do not pierce or burn, even after use. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P332+P313 | If skin irritation occurs: Get medical advice/attention. |
| P312 | Call a doctor if you feel unwell. |

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components

| CAS No | Chemical name | | | Quantity |
|------------|--|--------------|------------------|-----------|
| | EC No | Index No | REACH No | |
| | Classification according to Regulation (EC) No. 1272/2008 [CLP] | | | |
| 64742-49-0 | hydrocarbons, C6, isoalkanes, < 5 % n-Hexane | | | 30 -50 % |
| | 931-254-9 | | 01-2119484651-34 | |
| | Flam. Liq. 2, Skin Irrit. 2, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H225 H315 H336 H304 H411 | | | |
| 74-98-6 | propane | | | 15 - 30 % |
| | 200-827-9 | 601-003-00-5 | | |
| | Flam. Gas 1; H220 | | | |
| 106-97-8 | butane | | | 15 - 30 % |
| | 203-448-7 | 601-004-00-0 | | |
| | Flam. Gas 1; H220 | | | |
| 75-28-5 | isobutane | | | 5 - 15 % |
| | 200-857-2 | 601-004-00-0 | | |
| | Flam. Gas 1; H220 | | | |
| 108-21-4 | isopropyl acetate | | | 1 - 5 % |
| | 203-561-1 | 607-024-00-6 | | |
| | Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336 EUH066 | | | |

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

Further Information

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SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation

Provide fresh air.

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If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
In all cases of doubt, or when symptoms persist, seek medical advice.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water.

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

Causes skin irritation.

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

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Carbon dioxide (CO₂).
Sand.

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

Precautions against fire and explosion:
Extremely flammable aerosol.
Caution! Container under pressure. Danger of bursting container.

5.3. Advice for firefighters

DO NOT fight fire when fire reaches explosives.
In case of fire: Wear self-contained breathing apparatus.

Additional information

Co-ordinate fire-fighting measures to the fire surroundings.
Do not allow water used to extinguish fire to enter drains or waterways.

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

Remove all sources of ignition. Provide adequate ventilation. Remove persons to safety.

6.2. Environmental precautions

Avoid release to the environment. Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Wipe up with absorbent material (eg. cloth, fleece).

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

Avoid contact with skin and eyes.
for professional use only Keep out of the reach of children.
Observe instructions for use.

Advice on protection against fire and explosion

Do not spray on naked flames or any incandescent material.
Keep away from sources of ignition - No smoking.

Further information on handling

Do not pierce or burn, even after use. This material and its container must be disposed of as hazardous waste.

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7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed and in a well-ventilated place.

Further information on storage conditions

Do not expose to temperatures exceeding 50°C/122°F. Recommended storage temperature: 15 - 23 °C

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

| CAS No | Substance | ppm | mg/m ³ | fibres/ml | Category | Origin |
|----------|-------------------|-----|-------------------|-----------|---------------|--------|
| 106-97-8 | Butane | 600 | 1450 | | TWA (8 h) | WEL |
| | | 750 | 1810 | | STEL (15 min) | WEL |
| 108-21-4 | Isopropyl acetate | - | - | | TWA (8 h) | WEL |
| | | 200 | 849 | | STEL (15 min) | WEL |

8.2. Exposure controls

Protective and hygiene measures

When using do not eat, drink or smoke.

Eye/face protection

Framed glasses.

Hand protection

Wear protective gloves.

Skin protection

Lab apron.

Respiratory protection

Provide adequate ventilation. Do not breathe aerosol.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|-----------------|----------------|
| Physical state: | liquid |
| Colour: | colourless |
| Odour: | characteristic |

Test method

Changes in the physical state

Flash point: < 0 °C

9.2. Other information

Extremely flammable aerosol.

SECTION 10: Stability and reactivity

10.2. Chemical stability

Extremely flammable aerosol. Contains gas under pressure; may explode if heated.

Extreme risk of explosion by shock, friction, fire or other sources of ignition.

10.4. Conditions to avoid

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

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

| CAS No | Chemical name | | | | |
|------------|--|---------------|-----------|--------|--------|
| | Exposure route | Dose | Species | Source | Method |
| 64742-49-0 | hydrocarbons, C6, isoalkanes, < 5 % n-Hexane | | | | |
| | oral | LD50 mg/kg | 16750 | Rat | |
| | dermal | LD50 mg/kg | 3350 | Rabbit | |
| | inhalative vapour | LC50 mg/l | 259354 | Rat | |
| 106-97-8 | butane | | | | |
| | inhalative (4 h) gas | LC50 | 658 ppm | Rat | GESTIS |
| 108-21-4 | isopropyl acetate | | | | |
| | oral | LD50 mg/kg | 6750 | Rat | GESTIS |
| | dermal | LD50 mg/kg | > 17400 | Rabbit | GESTIS |
| | inhalative (4 h) vapour | LC50 | 50,6 mg/l | Rat | |

Irritation and corrosivity

Causes skin irritation.

STOT-single exposure

May cause drowsiness or dizziness.

SECTION 12: Ecological information

12.2. Persistence and degradability

May cause long-term adverse effects in the environment.

12.3. Bioaccumulative potential

Partition coefficient n-octanol/water

| CAS No | Chemical name | Log Pow |
|----------|-------------------|---------|
| 74-98-6 | propane | 2,36 |
| 106-97-8 | butane | 2,89 |
| 75-28-5 | isobutane | 2,8 |
| 108-21-4 | isopropyl acetate | 1,02 |

12.6. Other adverse effects

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

Further information

Do not allow to enter into surface water or drains.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

Dispose of waste according to applicable legislation.

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SECTION 14: Transport information
Land transport (ADR/RID)

| | |
|--|-----------------|
| 14.1. UN number: | UN 1950 |
| 14.2. UN proper shipping name: | AEROSOLS |
| 14.3. Transport hazard class(es): | 2 |
| 14.4. Packing group: | - |
| Hazard label: | 2.1 |
| Classification code: | 5F |
| Special Provisions: | 190 327 344 625 |
| Limited quantity: | 1 L |
| Excepted quantity: | E0 |
| Transport category: | 2 |
| Tunnel restriction code: | D |

Marine transport (IMDG)

| | |
|--|-----------------------------|
| 14.1. UN number: | UN 1950 |
| 14.2. UN proper shipping name: | AEROSOLS |
| 14.3. Transport hazard class(es): | 2.1 |
| 14.4. Packing group: | - |
| Hazard label: | 2.1 |
| Marine pollutant: | YES |
| Special Provisions: | 63, 190, 277, 327, 344, 959 |
| Limited quantity: | 1000 mL |
| Excepted quantity: | E0 |
| EmS: | F-D, S-U |

Air transport (ICAO-TI/IATA-DGR)

| | |
|--|---------------------|
| 14.1. UN number: | UN 1950 |
| 14.2. UN proper shipping name: | AEROSOLS, flammable |
| 14.3. Transport hazard class(es): | 2.1 |
| 14.4. Packing group: | - |
| Hazard label: | 2.1 |
| Special Provisions: | A145 A167 A802 |
| Limited quantity Passenger: | 30 kg G |
| Passenger LQ: | Y203 |
| Excepted quantity: | E0 |
| IATA-packing instructions - Passenger: | 203 |
| IATA-max. quantity - Passenger: | 75 kg |
| IATA-packing instructions - Cargo: | 203 |
| IATA-max. quantity - Cargo: | 150 kg |

14.5. Environmental hazards

| | |
|-----------------------------|---|
| ENVIRONMENTALLY HAZARDOUS: | yes |
| Danger releasing substance: | Hydrocarbon, C6, isoalkanes, <5% n-hexane |

SECTION 15: Regulatory information
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
EU regulatory information

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Restrictions on use (REACH, annex XVII):

Entry 3: hydrocarbons, C6, isoalkanes, < 5 % n-Hexane

Entry 28: butane; isobutane

2010/75/EU (VOC): 92%

National regulatory information**Additional information**
-----**SECTION 16: Other information****Changes**

* Data changed compared with the previous version

Abbreviations and acronymsADR: Accord européen sur le transport des marchandises dangereuses par Route
(European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

Relevant H and EUH statements (number and full text)

| | |
|--------|---|
| H220 | Extremely flammable gas. |
| H222 | Extremely flammable aerosol. |
| H225 | Highly flammable liquid and vapour. |
| H229 | Pressurised container: May burst if heated. |
| H304 | May be fatal if swallowed and enters airways. |
| H315 | Causes skin irritation. |
| H319 | Causes serious eye irritation. |
| H336 | May cause drowsiness or dizziness. |
| H411 | Toxic to aquatic life with long lasting effects. |
| EUH066 | Repeated exposure may cause skin dryness or cracking. |

Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal.

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