

## **SAFETY DATA SHEETS**

**This SDS packet was issued with item:**

077181589

**The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).**

077186471 077186489

**The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).**

077181563 077181571

according to Regulation (EC) No 1907/2006

**GI-Mask Universal Separator**

Revision date: 28.01.2015

Print date: 17.05.2016

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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**

for dental use only

Reserved for industrial and professional use.

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

Company name:	Coltène/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**

hexane, mixture of isomers (containing &lt; 5 % n-hexane (203-777-6))

n-hexane

isopropyl acetate

**Signal word:**

Danger

**Pictograms:****Hazard statements**

H222

Extremely flammable aerosol.

H229

Pressurised container: May burst if heated.

according to Regulation (EC) No 1907/2006

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H315 Causes skin irritation.  
 H336 May cause drowsiness or dizziness.  
 H411 Toxic to aquatic life with long lasting effects.

**Precautionary statements**

P261 Do not breathe aerosol.  
 P273 Avoid release to the environment.  
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P332+P313 If skin irritation occurs: Get medical advice/attention.

**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]			
-	hexane, mixture of isomers (containing < 5 % n-hexane (203-777-6))			30 - 50 %
	-	601-007-00-7		
	Flam. Liq. 2, Asp. Tox. 1, Skin Irrit. 2, STOT SE 3, Aquatic Chronic 2; H225 H304 H315 H336 H411			
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			
110-54-3	n-hexane			1 - < 5 %
	203-777-6	601-037-00-0		
	Flam. Liq. 2, Repr. 2, Asp. Tox. 1, STOT RE 2, Skin Irrit. 2, STOT SE 3, Aquatic Chronic 2; H225 H361f *** H304 H373 ** H315 H336 H411			
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			
78-78-4	isopentane; 2-methylbutane			0.1 - 1 %
	201-142-8	601-085-00-2		
	Flam. Liq. 1, Asp. Tox. 1, STOT SE 3, Aquatic Chronic 2; H224 H304 H336 H411 EUH066			

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

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

Provide fresh air.  
 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.

according to Regulation (EC) No 1907/2006

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**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 (CO<sub>2</sub>).

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.

**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.

according to Regulation (EC) No 1907/2006

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**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 <sup>3</sup>	fibres/ml	Category	Origin
106-97-8	Butane	600	1450		TWA (8 h)	WEL
		750	1810		STEL (15 min)	WEL
78-78-4	Isopentane	600	1800		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL
108-21-4	Isopropyl acetate	-	-		TWA (8 h)	WEL
		200	849		STEL (15 min)	WEL
110-54-3	n-Hexane	20	72		TWA (8 h)	WEL
		-	-		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: &lt; 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. (R3)

according to Regulation (EC) No 1907/2006

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**10.4. Conditions to avoid**

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

**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
106-97-8	butane				
	inhalative (4 h) gas	LC50	658 ppm	Rat	GESTIS
108-21-4	isopropyl acetate				
	oral	LD50	6750 mg/kg	Rat	GESTIS
	dermal	LD50	> 17400 mg/kg	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****12.1. Toxicity**

CAS No	Chemical name				
	Aquatic toxicity	Dose	[h]   [d]	Species	Source
110-54-3	n-hexane				
	Acute fish toxicity	LC50	2,5 mg/l	96 h Pimephales promelas	Geiger et al. 1990

**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
106-97-8	butane	2,89
75-28-5	isobutane	2,8
110-54-3	n-hexane	3,9
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**

according to Regulation (EC) No 1907/2006

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**Advice on disposal**

Dispose of waste according to applicable legislation.

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

<b>14.1. UN number:</b>	UN 1950
<b>14.2. UN proper shipping name:</b>	AEROSOLS
<b>14.3. Transport hazard class(es):</b>	2
Hazard label:	2.1
Classification code:	5F
Special Provisions:	190 327 344 625
Limited quantity:	1 L
Transport category:	2
Tunnel restriction code:	D

**Other applicable information (land transport)**

Environmentally hazardous: YES

**Marine transport (IMDG)**

<b>14.1. UN number:</b>	UN 1950
<b>14.2. UN proper shipping name:</b>	AEROSOLS
<b>14.3. Transport hazard class(es):</b>	2.1
<b>14.4. Packing group:</b>	-
Hazard label:	2.1
Marine pollutant:	YES
Special Provisions:	63, 190, 277, 327, 344, 959
Limited quantity:	1 L
EmS:	F-D, S-U

**Other applicable information (marine transport)**

E0

**Air transport (ICAO)**

<b>14.1. UN number:</b>	UN 1950
<b>14.2. UN proper shipping name:</b>	AEROSOLS, flammable
<b>14.3. Transport hazard class(es):</b>	2.1
Hazard label:	2.1
Special Provisions:	A145 A167 A802
Limited quantity Passenger:	30 kg G
IATA-packing instructions - Passenger:	203
IATA-max. quantity - Passenger:	75 kg
IATA-packing instructions - Cargo:	203
IATA-max. quantity - Cargo:	150 kg

**Other applicable information (air transport)**

: Y203

E0

150 kg

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

according to Regulation (EC) No 1907/2006

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

H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H224	Extremely flammable liquid and vapour.
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.
H361f	Suspected of damaging fertility.
H373	May cause damage to organs through prolonged or repeated exposure.
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.)*



according to Regulation (EC) No 1907/2006

**GI-Mask Automix**

Revision date: 16.07.2012

Print date: 23.04.2013

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

GI-Mask Automix

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

for dental use only

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

Company name:	Coltène/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

**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**

This mixture is classified as not hazardous according to Regulation (EC) 1272/2008 [GHS].  
The preparation is not dangerous in the sense of Directive 1999/45/EC.  
Preparation/mixture without hazards for human health or environment

**2.2. Label elements****Hazardous components which must be listed on the label**

According to Directive 1999/45/EC or Appendix VI to Directive 67/548/EEC the preparation requires no special labelling.

**SECTION 3: Composition/information on ingredients****3.2. Mixtures****Chemical characterization**

Polymer preparations and compounds

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

No special measures are necessary.

**After contact with eyes**

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

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**Water. Foam. Extinguishing powder. Carbon dioxide (CO<sub>2</sub>). Sand.**Additional information**

Extinguishing materials should be selected according to the surrounding area.

according to Regulation (EC) No 1907/2006

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Revision date: 16.07.2012

Print date: 23.04.2013

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

Do not empty into drains or the aquatic environment.

**6.3. Methods and material for containment and cleaning up**

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

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

No special precautionary measures are necessary.

**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 dampness.

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.

**Hand protection**

Single-use gloves.

Unsuitable materials: NR (Natural rubber (Caoutchouc), Natural latex).

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

Physical state: Paste

Colour:

**Test method****Changes in the physical state**

Boiling point:

&gt;150 °C

Water solubility:  
(at 23 °C)

insoluble

**Solubility in other solvents**

ketone.

**SECTION 10: Stability and reactivity****Further information**

No special measures are necessary.

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

LD50: &gt;2000 mg/kg (Rat.)

The statement is derived from products of similar composition.

according to Regulation (EC) No 1907/2006

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Revision date: 16.07.2012

Print date: 23.04.2013

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**Irritation and corrosivity**

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.

**SECTION 12: Ecological information****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****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****SECTION 16: Other information****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.)*

according to Regulation (EC) No 1907/2006

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Revision date: 20.04.2015

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

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

for dental use only

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

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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**

This mixture is classified as not hazardous according to Regulation (EC) 1272/2008 [GHS].  
The preparation is not dangerous in the sense of Directive 1999/45/EC.  
Preparation/mixture without hazards for human health or environment

**2.2. Label elements****SECTION 3: Composition/information on ingredients****3.2. Mixtures****Chemical characterization**

Polymer preparations and compounds

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

No special measures are necessary.

**After contact with eyes**

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

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**Water. Foam. Extinguishing powder. Carbon dioxide (CO<sub>2</sub>). Sand.**Additional information**

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

according to Regulation (EC) No 1907/2006

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**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**

No special precautionary measures are necessary.

Observe instructions for use.

**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.

**Hand protection**

Single-use gloves.

Unsuitable material: NR (Natural rubber (Caoutchouc), Natural latex).

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

Physical state: Paste

Colour:

**Test method****Changes in the physical state**

Initial boiling point and boiling range:

&gt;150 °C

Water solubility:

insoluble

(at 23 °C)

**Solubility in other solvents**

ketone.

**SECTION 10: Stability and reactivity****Further information**

No special measures are necessary.

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

LD50: &gt;2000 mg/kg (Rat)

The statement is derived from products of similar composition.

according to Regulation (EC) No 1907/2006

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**Irritation and corrosivity**

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.

**SECTION 12: Ecological information****Further information**

No special environmental measures are necessary.

**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****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**

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**SECTION 16: Other information****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.)*