SAFETY DATA SHEETS

This SDS packet was issued with item: 074562120

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).

074562138 074562146 074562153

Heraeus Kulzer Mitsu Chemicais Group

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Safety Data Sheet acc. to OSHA HCS

 I Identification Product identifier Trade name: Venus Bulk Fill Relevant identified uses of the substance or mixture and uses advised against No further relevant information available. Application of the substance / the mixture Dental filling material Details of the supplier of the safety data sheet Manufacturer/Supplier: Heraeus Kutzer GmbH Grüner Weg 11, D-63450 Hanau Tel.: 0800 437252 Information department: Marc Henn Tel. + 1 (574) 2995444 / Fax: +1 (574) 2912542 e-mail: marc.henn@kutzer-dental.com Emergency telephone number: Emergency CoNTACT (24-Hour-Number) GBK/Inforte: ID 105860: (domestic) 1 800 535 5053 or international (001) 352 323 3500 2 Hazard(s) identification Classification of the substance or mixture Skin Irrit: 2 H315 Causes skin initiation. Eye Irrit: 2A H319 Causes serious eye irritation. Easilitable elements Theoduct is classified and labeled according to the Globally Harmonized System (GHS). • Hazard pictograms Wear protective gloveS/protective clothing/eye protection/face protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, present and easy to do. Continue rinsing. Specific treatments (see on this label). Take of contaminated clothing and wash before reuse. If whi mitation occurs: Get medical advice/attention. If we findention parists: Get medical advice/attention. If we finden protective clothing and wash before reuse. If we infaction prevists: Get medical advice/attention. If we finden prevists: Get medical advice/attention. If we fin	Printing date 05/12/2015	Reviewed on 05/12/201
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• Details of the supplier of the safety data sheet • Manufacturer/Supplier: Haraeus Kuizer GmbH Grüner Weg 11, D-83450 Hanau • Information department: Marc Henn Tel. +1 (574) 299544 / Fax: +1 (574) 2912542 e-mail: marc.henn@Kuizer-dental.com Emergency telephone number: Emergency telephone number: Emergency telephone number: GBWInfotrac ID 105860: (domestic) 1 800 535 5053 or international (001) 352 323 3500 2 Hazard(s) identification • Classification of the substance or mixture Skin Irrit. 2 H315 Causes skin irritation. Eye Irrit. 2A H319 Causes serious eye irritation. Eye Irrit. 2A H319 Causes serious eye irritation. • Label elements • GHS label elements • The product is classified and labeled according to the Globally Harmonized System (GHS). • Hazard statements GHS07 • Signal word Warning • Hazard statements Wear protective gloves/protective clothing/eye protection/face protection. If IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, precautionary statements Wear protective gloves/protective clothing/eye protection/face protection. If IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, precaution persists: Get medical advice/attention. If NEYES: Rinse cautiously with water for several minutes. Remove contact lenses, present and easy to do. Continue minsg. Specific treatment (see on this label). Take off contaminated clothing and wash before reuse. If skin inflation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/		ixture and uses advised against
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Marc Henn Tel. +1 (574) 2995444 / Fax: +1 (574) 2912542 e-mail: marc.henn@kulzer-dental.com Emergency CONTACT (24-HourNumber) GBK/infotrac ID 105860: (domestic) 1 800 535 5053 or international (001) 352 323 3500 2 Hazard(s) identification • Classification of the substance or mixture Skin Irit. 2 H315 Causes skin iritation. Eye Irit. 2A H319 Causes serious eye iritation. • Label elements • GHS label elements • GHS label elements • GHS of the substance or disture • GHS fact elements • Gauses skin iritation. • Causes serious eye iritation. • Precautionary statements • Causes skin iritation. • Grassification occurs: Govers/protective clothing/eye protection/face protection. • Fricautionary statements • Specific treatment (see on this fabe)! • Take off contaminated clothing and wash before reuse. • If NF YES: Rinse cautiously with water for several minutes. Remove contact lenses, present and easy to do. Continue rinsing. • Specific treatment (see on this fabe)! • Take off contaminated clothing and wash before reuse. • If skin iritation occurs: Get medical advice/attention. • If eye iritation pressis: Get medical advice/attention. • If eye iritation pressis: Get medical advice/attention. • MFPA ratings for USA (scale 0-4) • MFPA ratings for USA (scale 0-4) • Fine = 1 • Reactivity = 0	• Manufacturer/Supplier: Heraeus Kulzer GmbH	
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$\begin{array}{c} 0 0 Fire = 1\\ Reactivity = 0 \end{array}$	NFPA ratings for USA (scale 0-4)	
	Fire = 1	
	•	(Contd. on page 2

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Safety Data Sheet acc. to OSHA HCS

Printing date 05/12/2015

Reviewed on 05/12/2015

Trade name: Venus Bulk Fill

(Contd. of page 1)

· HMIS-Ratings (Scale 0-4) HEALTH 0 Health = 0FIRE 1 Fire = 1

REACTIVITY 0 Reactivity = 0

Results of PBT and vPvB assessment

· PBT: Not applicable.

· vPvB: Not applicable.

3 Composition/information on ingredients

· Chemical characterization: Mixtures

Description: -

· Dangerous components: Void

4 First-aid measures

Description of first aid measures

- General information No special measures required.
- · After inhalation Supply fresh air; consult doctor in case of complaints.
- After skin contact Immediately wash with water and soap and rinse thoroughly. After eye contact Rinse opened eye for several minutes under running water.
- After swallowing Rinse out mouth and then drink plenty of water.
- · Most important symptoms and effects, both acute and delayed

No further relevant information available.

Indication of any immediate medical attention and special treatment needed No further relevant information available.

5 Fire-fighting measures

Extinguishing media

Suitable extinguishing agents

CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Use fire fighting measures that suit the environment.

- · Special hazards arising from the substance or mixture No further relevant information available. · Advice for firefighters
 - · Protective equipment: No special measures required.
 - · Additional information -

6 Accidental release measures

- · Personal precautions, protective equipment and emergency procedures Not required.
- Environmental precautions: No special measures required.
- · Methods and material for containment and cleaning up: Pick up mechanically.
- · Reference to other sections
- See Section 13 for disposal information.
- See Section 8 for information on personal protection equipment.

7 Handling and storage

· Precautions for safe handling No special measures required.

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Safety Data Sheet acc. to OSHA HCS

Printing date 05/12/2015

Reviewed on 05/12/2015

Trade name: Venus Bulk Fill (Contd. of page 2) Information about protection against explosions and fires: No special measures required. Conditions for safe storage, including any incompatibilities Storage · Requirements to be met by storerooms and receptacles: No special requirements. Information about storage in one common storage facility: Not required. Further information about storage conditions: Store in dry conditions. Keep cool, if possible (not above 25 °C). · Specific end use(s) No further relevant information available. higi hifu ndip balifa iyu 8 Exposure controls/personal protection · Control parameters Components with limit values that require monitoring at the workplace: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace. Additional information: The lists that were valid during the creation were used as basis. Exposure controls Personal protective equipment General protective and hygienic measures The usual precautionary measures for handling chemicals should be followed. Breathing equipment: Not required. · Protection of hands: The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation Penetration time of glove material The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed. For the permanent contact of a maximum of 15 minutes gloves made of the following materials are sultable: PVC or PE gloves Natural rubber, NR Eye protection: Protective goggles are recommended. Not absolutely necessary. Body protection: Light weight protective clothing 9 Physical and chemical properties Information on basic physical and chemical properties General Information Appearance: · Form: Pasty · Color: White Yellowish · Odor: Odorless • Change in condition Melting point/Melting range: undetermined

(Contd. on page 4)

> 100 °C (> 212 °F)

Boiling point/Boiling range: undetermined

· Flash point:

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Safety Data Sheet acc. to OSHA HCS

Printing date 05/12/2015

Reviewed on 05/12/2015

Trade name: Venus Bulk Fill

	(Contd. of page 3
· Auto igniting:	Product is not selfigniting.
· Danger of explosion:	Product does not present an explosion hazard.
· Density at 20 °C (68 °F):	1.9 g/cm³ (15.856 lbs/gal)
Solubility in / Miscibility Water: Other information	with Not miscible or difficult to mix No further relevant information available.

10 Stability and reactivity

· Possibility of hazardous reactions No dangerous reactions known

- Conditions to avoid No further relevant information available.
- Incompatible materials: No further relevant information available.
- · Hazardous decomposition products: none
 - · Additional information: -

11 Toxicological information

· Information on toxicological effects

- Acute toxicity: Primary irritant effect:

 - on the skin: No irritant effect. on the eye: No irritating effect.

 - · Sensitization: No sensitizing effects known.

Additional toxicological information: The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version: When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

Carcinogenic categories

IARC (International Agency for Research on Cancer)

7631-86-9 silicon dioxide, chemically prepared

Butyl-hydroxy-toluol

· NTP (National Toxicology Program)

None of the ingredients is listed.

OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

2 Ecological information	
· Toxicity	
 Aquatic toxicity: No further relevant information available. 	
· Persistence and degradability No further relevant information available.	
· Bioaccumulative potential No further relevant information available.	
• Mobility in soil No further relevant information available.	
· Additional ecological information:	
Additional ecological miormation	
General notes: Avoid transfer into the environment.	
 Results of PBT and vPvB assessment 	
· PBT: Not applicable.	
vPvB: Not applicable.	
	(Contd. on page 5

Safety Data Sheet acc. to OSHA HCS

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Trade name: Venus Bulk Fill

· Other adverse effects No further relevant information available.

13 Disposal considerations

Waste treatment methods

· Recommendation Smaller quantities can be disposed of with household waste.

· Uncleaned packagings:

• Recommendation: Disposal must be made according to official regulations.

UN-Number • DOT, ADR, ADN, IMDG, IATA	Void	
UN proper shipping name • DOT, ADR, ADN, IMDG, IATA	Void	
Transport hazard class(es)		
· DOT, ADR, ADN, IMDG, IATA · Class	Void	
Packing group • DOT, ADR, IMDG, IATA	Void	
Environmental hazards: • Marine pollutant:	No	
Special precautions for user	Not applicable.	
Transport in bulk according to Annex II MARPOL73/78 and the IBC Code	of Not applicable.	
· Transport/Additional information:		
· UN "Model Regulation":	-	

15 Regulatory information Safety, health and environmental regulations/legislation specific for the substance or mixture SARA Section 355 (extremely hazardous substances) None of the ingredients is listed. TSCA (Toxic Substances Control Act) Medical devices are exempted from TSCA. Cancerogenity categories TLV (Threshold Limit Value established by ACGIH) Butyl-hydroxy-toluol A4 GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS). Hazard pictograms

GHS07

(Contd. of page 4)

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USA

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Reviewed on 05/12/2015

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Safety Data Sheet acc. to OSHA HCS

Printing date 05/12/2015

Reviewed on 05/12/2015

Trade name: Venus Bulk Fill (Contd. of page 5) · Signal word Warning · Hazard statements Causes skin irritation. Causes serious eye irritation. Precautionary statements Wear protective gloves/protective clothing/eye protection/face protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Specific treatment (see on this label). Take off contaminated clothing and wash before reuse. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. · Chemical safety assessment: A Chemical Safety Assessment has not been carried out. 16 Other information These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. Date of preparation / last revision 05/12/2015 / -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) IMDG: International Maritime Code for Dangerous Goods DOCT IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transportation IATA: International Air Transport Association ACGIH: American Conference of Governmental Industrial Hygienists EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) NFPA: National Fire Protection Association (USA) HMIS: Hazardous Materials Identification System (USA) Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2 Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A * Data command to the provious version altered * Data compared to the previous version altered. USA



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Safety Data Sheet acc. to OSHA HCS

Reviewed on 06/03/2017 Printing date 06/03/2017 1 Identification · Product identifier • Trade name: Venus Bulk Fill · Application of the substance / the mixture Dental filling material · Details of the supplier of the safety data sheet Manufacturer/Supplier: Kulzer GmbH Leipziger Straße 2, 63450 Hanau (Germany) Tel.: +49 (0)800 4372522 Information department: Tel. +1 (800) 431-1785 Fax: +1 (800) 522-1545 e-mail: customer.servicehkna@kulzer-dental.com • Emergency telephone number: Emergency CONTACT (24-Hour-Number) GBK/Infotrac ID 105860: (domestic) 1 800 535 5053 or international (001) 352 323 3500 2 Hazard(s) identification · Classification of the substance or mixture Skin Irrit. 2 H315 Causes skin irritation. Eye Irrit. 2A H319 Causes serious eye irritation. · Label elements · GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS). · Hazard pictograms GHS07 · Signal word Warning · Hazard statements Causes skin irritation. Causes serious eye irritation. · Precautionary statements Wear protective gloves. Wear eye protection / face protection. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Specific treatment (see on this label). If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Classification system • NFPA ratings for USA (scale 0-4) Health = 1Fire = 1Reactivity = 0(Contd. on page 2) USA



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Safety Data Sheet acc. to OSHA HCS

Printing date 06/03/2017

Reviewed on 06/03/2017

(Contd. of page 1)

Trade name: Venus Bulk Fill

· HMIS-Ratings (Scale 0-4)

HEALTH1Health = 1FIRE1Fire = 1REACTIVITY0Reactivity = 0

· Results of PBT and vPvB assessment

- · PBT: Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

· Chemical characterization: Mixtures

Description: -

· Dangerous components:

Dangereue veniperiente.	
13760-80-0 ytterbium trifluoride	10-25%
Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335	
109-16-0 triethylen glycol dimethacrylate	< 1%
Skin Sens. 1B, H317	

4 First-aid measures

· Description of first aid measures

- · General information No special measures required.
- After inhalation Supply fresh air; consult doctor in case of complaints.
- After skin contact immediately wash with water and soap and rinse thoroughly.
- · After eye contact Rinse opened eye for several minutes under running water.
- · After swallowing

Rinse out mouth and then drink plenty of water.

If symptoms persist consult doctor.

- Information for doctor
 - **Most important symptoms and effects, both acute and delayed** No further relevant information available.
 - Indication of any immediate medical attention and special treatment needed No further relevant information available.

5 Fire-fighting measures

- Extinguishing media
 - · Suitable extinguishing agents

CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Use fire fighting measures that suit the environment.

· Special hazards arising from the substance or mixture No further relevant information available.

- Advice for firefighters
 - · Protective equipment: No special measures required.

(Contd. on page 3)



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Safety Data Sheet acc. to OSHA HCS

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Trade name: Venus Bulk Fill

· Additional information -

6 Accidental release measures

- · Personal precautions, protective equipment and emergency procedures Not required.
- Environmental precautions: No special measures required.
- Methods and material for containment and cleaning up: Pick up mechanically.
- Reference to other sections
- See Section 13 for disposal information.
- See Section 8 for information on personal protection equipment.

7 Handling and storage

· Handling

- · Precautions for safe handling No special measures required.
- · Information about protection against explosions and fires: No special measures required.
- \cdot Conditions for safe storage, including any incompatibilities
 - · Storage
 - · Requirements to be met by storerooms and receptacles: No special requirements.
 - Information about storage in one common storage facility: Not required.
 - Further information about storage conditions: Store in dry conditions.

Keep cool, if possible (not above 25 °C).

• Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

· Control parameters

Components with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

• Additional information: The lists that were valid during the creation were used as basis.

Exposure controls

Personal protective equipment

- General protective and hygienic measures Wash hands before breaks and at the end of work.
- · Breathing equipment: Not required.
- · Protection of hands:

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Check protective gloves prior to each use for their proper condition.

- recommended
 - Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation (Contd. on page 4)

(Contd. of page 2)

USA

Reviewed on 06/03/2017



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Trade name: Venus Bulk Fill

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(Contd. of page 3) of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application. · Penetration time of glove material The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed. For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable: Butyl rubber, BR Nitrile rubber, NBR · Eye protection: Safety glasses · Body protection: Light weight protective clothing 9 Physical and chemical properties Information on basic physical and chemical properties · General Information · Appearance: Form: Pasty White · Color: Yellowish Odorless · Odor: · Odor threshold: Not determined. · pH-value: Not determined. Change in condition Melting point/Melting range: undetermined undetermined Boiling point/Boiling range: · Flash point: > 100 °C (> 212 °F) · Flammability (solid, gaseous) Not applicable. · Ignition temperature: · Decomposition temperature: Not determined. Product is not selfigniting. Auto igniting: · Danger of explosion: Product does not present an explosion hazard. · Explosion limits: · Lower: Not determined. · Upper: Not determined. · Vapor pressure: Not determined. · Density at 20 °C (68 °F): 1.9 g/cm3 (15.856 lbs/gal) · Relative density Not determined. Vapor density Not determined. - Evaporation rate Not determined. Solubility in / Miscibility with · Water: Not miscible or difficult to mix (Contd. on page 5)



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· Partition coefficient (n-octanol/water): Not determined.

- · Viscosity:
- · dynamic:
- · kinematic:
- · Other information

Not determined. Not determined. No further relevant information available.

10 Stability and reactivity

· Reactivity No further relevant information available.

- · Possibility of hazardous reactions No dangerous reactions known
- · Conditions to avoid No further relevant information available.
- · Incompatible materials: No further relevant information available.
- · Hazardous decomposition products: none
- · Additional information: -

11 Toxicological information

· Information on toxicological effects

· Acute toxicity:

LD/LC50 values that are relevant for classification:

56744-60-6 Bisphenol-A-ethoxylat(4)dimethacrylat

Oral LD50 >2000 mg/kg (rat)

41137-60-4 diurethandimethacrylate

Oral LD50 >5000 mg/kg (rat)

109-16-0 triethylen glycol dimethacrylate

Oral LD50 > 5000 mg/kg (rat)

Dermal LD50 > 2000 mg/kg (mouse)

· Primary irritant effect:

- on the skin: No irritant effect.
- · on the eye: No irritating effect.

· Sensitization: No sensitizing effects known.

• Additional toxicological information:

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

· Carcinogenic categories

 IARC (International Agency for Research on Cancer) 		
7631-86-9	silicon dioxide, chemically prepared	3
	Butyl-hydroxy-toluol	3
· NTP (National Toxicology Program)		
None of the	e ingredients is listed.	
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· OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

12 Ecological information

· Toxicity

· Aquatic toxicity:

109-16-0 triethylen glycol dimethacrylate

EC50/72h > 100 mg/l (algae)

· Persistence and degradability No further relevant information available.

· Behavior in environmental systems:

- · Bioaccumulative potential No further relevant information available.
- · Mobility in soil No further relevant information available.
- Additional ecological information:
- General notes: Avoid transfer into the environment.
- · Results of PBT and vPvB assessment
 - **PBT:** Not applicable.
 - vPvB: Not applicable.
- Other adverse effects No further relevant information available.

13 Disposal considerations

Waste treatment methods
 Recommendation Smaller quantities can be disposed of with household waste.

· Uncleaned packagings:

• **Recommendation:** Disposal must be made according to official regulations.

LINI Number		
· UN-Number · DOT, ADR, ADN, IMDG, IATA	Void	
· UN proper shipping name · DOT, ADR, ADN, IMDG, IATA	Void	
· Transport hazard class(es)		
· DOT, ADR, ADN, IMDG, IATA · Class	Void	
· Packing group · DOT, ADR, IMDG, IATA	Void	
• Environmental hazards: • Marine pollutant:	No	



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		(Contd. of page 6)
 Special precautions for user 	Not applicable.	
 Transport in bulk according to Annex MARPOL73/78 and the IBC Code 	ll of Not applicable.	
· Transport/Additional information:	-	
· UN "Model Regulation":	Void	

15 Regulatory information · Safety, health and environmental regulations/legislation specific for the substance or mixture SARA Section 355 (extremely hazardous substances) None of the ingredients is listed. · TSCA (Toxic Substances Control Act) Medical devices are exempted from TSCA. · Cancerogenity categories · TLV (Threshold Limit Value established by ACGIH) Butyl-hydroxy-toluol A4 · GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS). · Hazard pictograms GHS07 · Signal word Warning · Hazard statements Causes skin irritation. Causes serious eye irritation. Precautionary statements Wear protective gloves. Wear eye protection / face protection. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Specific treatment (see on this label). If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. · Chemical safety assessment: A Chemical Safety Assessment has not been carried out. 16 Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

H315 Causes skin irritation.

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USA

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Trade name: Venus Bulk Fill (Contd. of page 7) H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H335 May cause respiratory irritation. · Date of preparation / last revision 06/03/2017 / 2 Date of preparation / last revision 06/03/2017 / 2 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) IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transportation IATA: International Air Transport Association ACGIH: American Conference of Governmental Industrial Hygienists EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) CAS: Chemical Abstracts Service (division of the American Chemical Society) NFPA: National Fire Protection Association (USA) HMIS: Hazardous Materials Identification System (USA) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic VPvB: very Persistent and very Bioaccumulative OSHA: Occupational Safety & Health TLV: Threshold Limit Value PEL: Permissible Exposure Limit REL: Recommended Exposure Limit Skin Irrit. 2: Skin corrosion/irritation – Category 2 Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A Skin Sens. 1B: Skin sensitisation – Category 1B STOT SE 3: Specific target organ toxicity (single exposure) – Category 3 * * Data compared to the previous version altered.