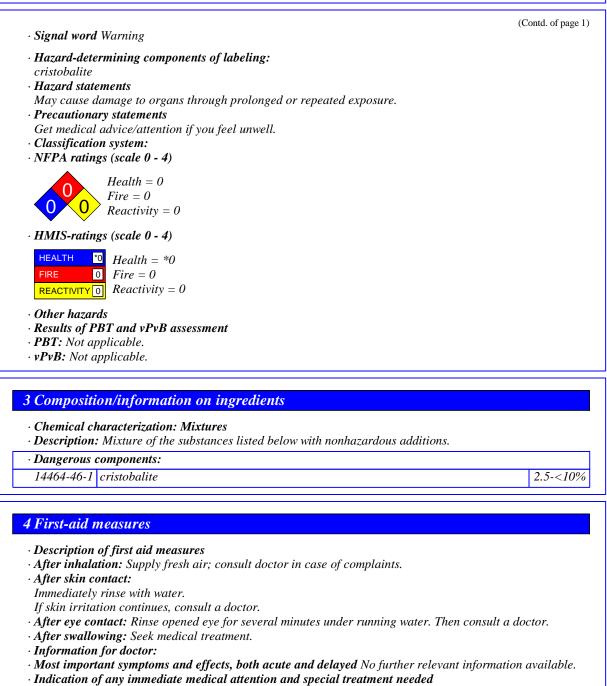
Printing date 07/29/2013 Version number 2 Reviewed on 07/26/2013 **1** Identification · Product identifier Trade name: Virtual XD: Putty Fast Set, Putty Regular Set, Heavy Body Fast Set, Heavy Body Regular Set, Virtual XD 380: Fast Set, Regular Set · Relevant identified uses of the substance or mixture and uses advised against No further relevant information available. · Application of the substance / the preparation Dental impression material · Details of the supplier of the safety data sheet · Manufacturer/Supplier: Ivoclar Vivadent Inc. 175 Pineview Drive, Amherst, N.Y. 14228 USA Tel. +1 800 533 6825 Fax +1 716 691 2285 Ivoclar Vivadent Inc. 1-6600 Dixie Road Mississauga, Ontario L5T 2Y2 Canada Phone: +1 905 670 8499 Fax: +1 905 670 3102 · Information department: Quality Assurance / Regulatory Affairs Emergency telephone number: 24 Hour Emergency Assistance: Emergency-Call USA - Infotrac: 1-800-535-5053 Emergency-Call Canada - Canutec: 1-613-996-6666 General MSDS Assistance: US: 1-800-533-6825 Canada: 1-800-263-8182 2 Hazard(s) identification · Classification of the substance or mixture May cause damage to organs through prolonged or repeated exposure. H373 · Classification according to Directive 67/548/EEC or Directive 1999/45/EC Not applicable. · Classification system: The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data. · Label elements · GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS). · Hazard pictograms GHS08 (Contd. on page 2) - USA

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No further relevant information available.

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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.

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

• Advice for firefighters

· Protective equipment: No special measures required.

6 Accidental release measures

· Personal precautions, protective equipment and emergency procedures Not required.

• Environmental precautions: Do not allow to enter sewers/ surface or ground water.

- Methods and material for containment and cleaning up: Pick up mechanically.
- · 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.

7 Handling and storage

· Handling:

· Precautions for safe handling

Only adequately trained personnel should handle this product.

For use in dentistry only.

· 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: Store only in the original receptacle.

· Information about storage in one common storage facility: Not required.

· Further information about storage conditions:

Keep receptacle tightly sealed.

Protect from heat and direct sunlight.

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

8 Exposure controls/personal protection

• Additional information about design of technical systems: No further data; see item 7.

· Control parameters

· Components with limit values that require monitoring at the workplace:

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- PEL ¹/₂ value from respirable dust formulae for Quartz
- REL Long-term value: 0.05* mg/m³
- *respirable dust; See Pocket Guide App. A
- TLV Long-term value: 0.025* mg/m³ *as respirable fraction

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· Explosion limits:

Lower:

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xposure controls xrsonal protective equipment: eneral protective and hygienic measures: sual hygienic measures for dental practice eep away from foodstuffs, beverages and fa ash hands before breaks and at the end of yoid contact with the eyes and skin. reathing equipment: Not required. rotection of hands: ne glove material has to be impermeable a ue to missing tests no recommendation to a echemical mixture. election of the glove material on consideral gradation aterial of gloves ne selection of the suitable gloves does not uality and varies from manufacturer to ma bstances, the resistance of the glove material ne exact break through time has to be four oserved. we protection: tfety glasses oggles recommended during refilling. hysical and chemical properties formation on basic physical and chemical eneral Information peparance: Form: Vis Color: Dif	ed. work. Ind resistant to the product/ the substance/ the preparation. The glove material can be given for the product/ the preparation. The glove material can be given for the product / the preparation. The penetration times, rates of diffusion and the only depend on the material, but also on further marks of sufacturer. As the product is a preparation of several ial can not be calculated in advance and has therefore to be d out by the manufacturer of the protective gloves and has to be
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anger of explosion: Pro	duct is not selfigniting.

Not determined.

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		(Contd. of page
Upper:	Not determined.	
· Vapor pressure:	Not determined.	
• Density at 20 •C (68 •F):	1.0 - 1.6 g/cm ³ (8.345 - 13.352 lbs/gal)	
Relative density	Not determined.	
· Vapour density	Not determined.	
Evaporation rate	Not determined.	
Solubility in / Miscibility with		
Water:	Nearly insoluble.	
• Partition coefficient (n-octanol/v	vater): Not determined.	
· Viscosity:		
Dynamic:	Not determined.	
Kinematic:	Not determined.	
• Other information	No further relevant information available.	

10 Stability and reactivity

• *Reactivity* No further relevant information available.

- · Chemical stability Stable under normal handling and storage conditions.
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- · 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 under normal conditions of storage and use.

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.
- \cdot Additional toxicological information:

· Carcinogenic categories

· IARC (International Agency for Research on Cancer)

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· NTP (National Toxicology Program)

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12 Ecological information

- · Toxicity
- Aquatic toxicity: No further relevant information available.
- · Persistence and degradability No further relevant information available.

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Behavior in environmental systems:
Bioaccumulative potential No further relevant information available.

- Mobility in soil No further relevant information available.
- Additional ecological information:

· General notes:

Water hazard class 1 (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

· 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:
- Take to an approved landfill or a waste incineration plant, under conditions approved by the local authority.
- · 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 . MARPOL73/78 and the IBC Code	II of Not applicable.	
· UN ''Model Regulation'':	-	

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Safety, health and environmental regulations/legislation specific for the substance or mix	ture
Sara	
Section 355 (extremely hazardous substances):	
None of the ingredients is listed.	
Section 313 (Specific toxic chemical listings):	
None of the ingredients is listed.	
TSCA (Toxic Substances Control Act):	
All ingredients are listed.	
Proposition 65	
Chemicals known to cause cancer:	
All ingredients are listed.	
Chemicals known to cause reproductive toxicity for females:	
None of the ingredients is listed.	
Chemicals known to cause reproductive toxicity for males:	
None of the ingredients is listed.	
Chemicals known to cause developmental toxicity:	
None of the ingredients is listed.	
Carcinogenic categories	
EPA (Environmental Protection Agency)	
None of the ingredients is listed.	
TLV (Threshold Limit Value established by ACGIH)	
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NIOSH-Ca (National Institute for Occupational Safety and Health)	
All ingredients are listed.	
OSHA-Ca (Occupational Safety & Health Administration)	
None of the ingredients is listed.	
GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS). Hazard pictograms	
GHS08	
Signal word Warning	
Hazard-determining components of labeling:	
cristobalite	
Hazard statements	

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Safety Data Sheet acc. to OSHA HCS

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· Precautionary statements

Get medical advice/attention if you feel unwell.

· National regulations:

· Other regulations, limitations and prohibitive regulations

The product is a medical device according to the EC-directive 93/42/EEC.

This product is classified as a medical device under US and Canadian regulations and has been reviewed by the US Food and Drug Administration and Health Canada.

• Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other 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.

• 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) NFPA: National Fire Protection Association (USA) HMIS: Hazardous Materials Identification System (USA)

• * Data compared to the previous version altered.