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Safety Data Sheet acc. to OSHA HCS

Printing date 05/12/2015

Reviewed on 05/12/2015

1 Identification	
· Product identifier	
Trade name: Universal Adhesive - Silikon	
• Relevant identified uses of the substance or mixture and uses advised No further relevant information available.	d against
 Application of the substance / the mixture Tray adhesive for use with silicone impression materials 	
 Details of the supplier of the safety data sheet Manufacturer/Supplier: Heraeus Kulzer GmbH Grüner Weg 11, D-63450 Hanau 	Tel.: 0800 4372522
 Information department: Marc Henn Tel. +1 (574) 2995444 / Fax: +1 (574) 2912542 e-mail: marc.henn@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 Flam. Liq. 2 H225 Highly flammable liquid and vapor. Carc. 2 H351 Suspected of causing cancer. Eye Dam. 1 H318 Causes serious eye damage. Skin Irrit. 2 H315 Causes skin irritation.	
 Label elements GHS label elements The product is classified and labeled according to the Globally Harmoniz Hazard pictograms 	zed System (GHS).
GHS02 GHS05 GHS08	
· Signal word Danger	
 Hazard-determining components of labeling: titanium tetrabutanolate ethylbenzene Hazard statements Highly flammable liquid and vapor. Causes skin irritation. Causes serious eye damage. Suspected of causing cancer. Precautionary statements Keep away from heat/sparks/open flames/hot surfaces No smoking Use explosion-proof electrical/ventilating/lighting/equipment. IF ON SKIN (or hair): Remove/Take off immediately all contaminated water/shower. IF IN EYES: Rinse cautiously with water for several minutes. Re present and easy to do. Continue rinsing. Store locked up. Dispose of contents/container in accordance with local/region 	d clothing. Rinse skin with emove contact lenses, if
regulations.	
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Trade name: Universal Adhesive - Silikon (Contd. of page 1) · Classification system · NFPA ratings for USA (scale 0-4) Health = 0Fire = 3Reactivity = 0· HMIS-Ratings (Scale 0-4) HEALTH 0 Health = 0FIRE 3 Fire = 3REACTIVITY 0 Reactivity = 0 Results of PBT and vPvB assessment **PBT:** Not applicable. · vPvB: Not applicable. 3 Composition/information on ingredients · Chemical characterization: Mixtures · Dangerous components: 141-78-6 ethyl acetate 10-25% 1330-20-7 xylene, mixed isomers, pure 5-10% 5593-70-4 titanium tetrabutanolate 0-5% 100-41-4 ethylbenzene 0-5%

4 First-aid measures

· Description of first aid measures

- After inhalation Supply fresh air; consult doctor in case of complaints.
 After skin contact Generally the product does not irritate the skin.
- · After eye contact Rinse opened eye for several minutes under running water.
- After swallowing Induce vomiting and seek advice of physician.
- · 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, sand, extinguishing powder. Do not use water.
 - For safety reasons unsuitable extinguishing agents
 - Water.
 - Water with full jet.
- · Special hazards arising from the substance or mixture Can form explosive gas-air mixtures.
- Advice for firefighters
 - · Protective equipment: No special measures required.
 - · Additional information -

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Trade name: Universal Adhesive - Silikon

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6 Accidental release measures

Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away.

- Environmental precautions: Prevent seepage into sewage system, workpits and cellars.
 Methods and material for containment and cleaning up: Absorb with liquid binding material (diatomite, universal binders, for small amounts tissues).
- Absorb with liquid binding material (diatomite, universal binders, for small amounts tissues). Do not flush with water or aqueous cleansing agents
- Reference to other sections
 No dangerous substances are released.
 See Section 8 for information on personal protection equipment.

7 Handling and storage

 Precautions for safe handling Keep receptacles tightly sealed.
 Information about protection against explosions and fires: Keep ignition sources away - Do not smoke. Protect against electrostatic charges.

· Conditions for safe storage, including any incompatibilities

· Storage

- Requirements to be met by storerooms and receptacles: Store in a cool location.
- · Information about storage in one common storage facility: Not required.
- · Further information about storage conditions:
- Store in cool, dry conditions in well sealed receptacles.
- · 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.

	l parameters
· Com	ponents with limit values that require monitoring at the workplace:
	6 ethyl acetate
PEL ()	1400 mg/m³, 400 ppm
REL ()	1400 mg/m³, 400 ppm
TLV ()	1440 mg/m³, 400 ppm
1330-20	0-7 xylene, mixed isomers, pure
PEL ()	435 mg/m³, 100 ppm
	Short-term value: 655 mg/m³, 150 ppm Long-term value: 435 mg/m³, 100 ppm (o-, m-, & p-isomers)
, v	Short-term value: 651 mg/m³, 150 ppm Long-term value: 434 mg/m³, 100 ppm BEI
100-41-	4 ethylbenzene
PEL ()	435 mg/m³, 100 ppm
	Short-term value: 545 mg/m³, 125 ppm Long-term value: 435 mg/m³, 100 ppm
, v	Short-term value: 543 mg/m³, 125 ppm Long-term value: 434 mg/m³, 100 ppm BEI
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Trade name: Universal Adhesive - Silikon

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• 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: Not required.

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.

- **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 in work areas without heightened risk of injury (e.g. Laboratory) gloves made of the following material are suitable: Natural rubber, NR
- · Eye protection: Not absolutely necessary.
- · Body protection: Light weight protective clothing

9 Physical and chemical prop	
· Information on basic physical and	1 chemical properties
· General Information	
· Appearance: · Form:	Fluid
· Color:	Blue
· Odor:	Ester-like
· Change in condition	
 Melting point/Melting range 	: undetermined
 Boiling point/Boiling range: 	>70 ℃ (>158 °F)
· Flash point:	3 °C (37 °F)
· Ignition temperature:	>400 °C (>752 °F)
· Auto igniting:	Product is not selfigniting.
· Danger of explosion:	Product is not explosive. However, formation of explosive air vapor mixtures are possible.
· Explosion limits:	
Lower:	2.1 Vol %
· Upper:	11.5 Vol %
· Vapor pressure at 20 °C (68 °F,): 102 hPa (77 mm Hg)
· Density at 20 °C (68 °F):	1.100 g/cm³ (9.18 lbs/gal)
Solubility in / Miscibility with Water:	Not miscible or difficult to mix
· Solvent content:	
· VOC USA	353.5 g/l / 2.95 lb/gl
Other information	lo further relevant information available.

10 Stability and reactivity

· Possibility of hazardous reactions No dangerous reactions known

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2B

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

11 Toxicological information

Information on toxicological effects
 Acute toxicity:

· LD/LC50 values that are relevant for classification:

Oral LD50 > 10000 mg/kg (rat)

- · Primary irritant effect:
 - on the skin: No irritant effect.
 - on the eye: No irritating effect.
- Sensitization: No sensitizing effects known.
- · Additional toxicological information:

· Carcinogenic categories

IARC (International Agency for Research on Cancer)

1330-20-7 xylene, mixed isomers, pure

100-41-4 ethylbenzene

· NTP (National Toxicology Program)

None of the ingredients is listed.

• OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

12 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:
 - · General notes:
 - Do not allow product to reach ground water, water course or sewage system.
 - Danger to drinking water if even small quantities leak into the ground.
- · 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
 - Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
 - Uncleaned packagings: • Recommendation: Disposal must be made according to official regulations.

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Trade name: Universal Adhesive - Silikon

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· UN-Number	
· ON-Number · DOT	UN1866
· ADR, IMDG, IATA	1866
· UN proper shipping name · ADR	1866 RESIN SOLUTION
· IMDG, IATA	RESIN SOLUTION
· Transport hazard class(es)	
· DOT	
. 601	
3	
· Class	3 Flammable liquids
· Label	3
· ADR, IMDG, IATA	
· Class	3 Flammable liquids
· Label	3
· Packing group	
· DOŤ, ĂDR, IMDG, IATA	11
· Environmental hazards:	
· Marine pollutant:	No
· Special precautions for user	Warning: Flammable liquids
Danger code (Kemler):	33
· EMŠ Number:	F-E, <u>S-E</u>
· Transport in bulk according to Annex II	
MARPOL73/78 and the IBC Code	Not applicable.
 Transport/Additional information: 	<u> </u>
· UN "Model Regulation":	UN1866, RESIN SOLUTION, 3, II

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.

· Cancerogenity categories

TLV (Threshold Limit Value established by ACGIH)

1330-20-7 xylene, mixed isomers, pure

GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

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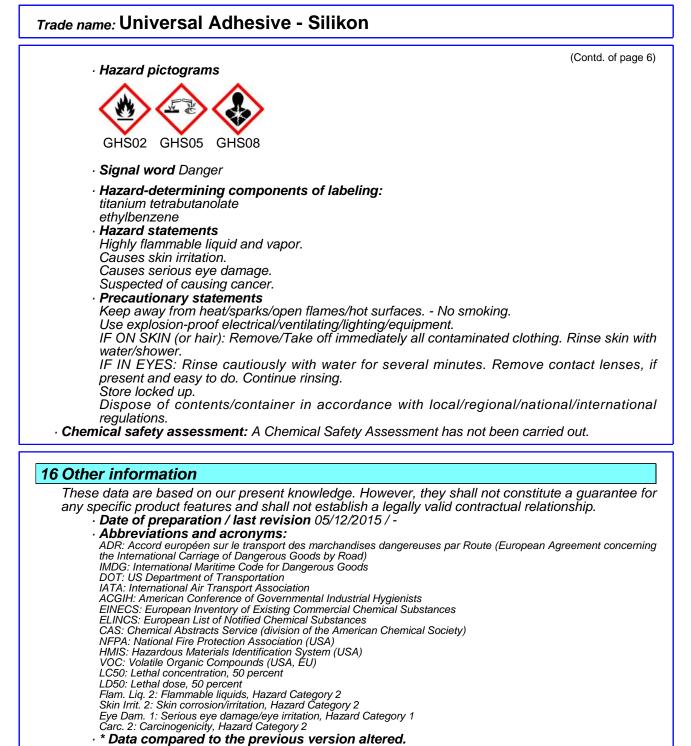
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