Safety Data Sheet acc. to OSHA HCS

Printing date 06/20/2018

Reviewed on 06/20/2018

1 Identification

· Product identifier

- · Trade name: Silhouette / Silhouette Plus
- · Application of the substance / the mixture Impression material
- · Details of the supplier of the safety data sheet
- · Manufacturer/Supplier: Dreve Otoplastik GmbH Max-Planck-Straße 31 59423 Unna / Germany Tel.: ++49 2303 / 8807-0 Fax.: ++49 2303 / 8807-29
- · Information department: Department Research & Development Fax.: +49 2303 8807-562 Email: sicherheitsdatenblatt@dreve.de
- · Emergency telephone number: +49 211 797-3350 Plant Fire Department Henkel

2 Hazard(s) identification

- · Classification of the substance or mixture The product is not classified, according to the Globally Harmonized System (GHS).
- · Label elements
- · GHS label elements Void
- · Hazard pictograms Void
- · Signal word Void
- · Hazard statements Void
- · Classification system:
- NFPA ratings (scale 0 4)



Fire = 1Reactivity = 0

· HMIS-ratings (scale 0 - 4)



Health = 0Fire = 1

Reactivity = 0

- · Other hazards
- · Results of PBT and vPvB assessment
- · **PBT:** Not applicable.
- · vPvB: Not applicable.

3 Composition/information on ingredients

- · Chemical characterization: Mixtures
- · Description: Additional-vulcanising 2-component silicone

· Dangerous components:

471-34-1	calcium carbonate	10-25%
14464-46-1	cristobalite	10-25%
	(Cont	td. on page 2

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(Contd. of page 1) 2.5-10%

2.5-10%

≤2.5%

US

Trade name: Silhouette / Silhouette Plus

8042-47-5	White mineral oil, petroleum

93685-79-1 Isoparaffin-mixture C12, C16 and C20

8002-74-2 Paraffin waxes and Hydrocarbon waxes

· Additional information: For the wording of the listed hazard phrases refer to section 16.

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: Generally the product does not irritate the skin.
- · After eye contact:
- Rinse opened eye for several minutes under running water. Then consult a doctor.
- After swallowing: Do not induce vomiting.

Call a doctor immediately.

- 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.
- · For safety reasons unsuitable extinguishing agents: Water with full jet
- 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 Avoid contact with eyes
- · Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- · Methods and material for containment and cleaning up:
- Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Reference to other sections
- No dangerous substances are released.
- See Section 7 for information on safe handling.
- See Section 8 for information on personal protection equipment.
- See Section 13 for disposal information.
- Protective Action Criteria for Chemicals

· PAC-1:

	Polydimethylsiloxan	65 mg/m³
471-34-1	calcium carbonate	45 mg/m³
		(Contd. on page 3)



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	Vinylpolydimethylsiloxane	(Contd. of page 2 48 mg/m ³
14464-46-1	cristobalite	0.075 mg/m ³
	Methylhydrogenpolysiloxan	30 mg/m ³
	Dihydrogenpolysiloxan	30 mg/m ³
· PAC-2:	-	
	Polydimethylsiloxan	720 mg/m ³
471-34-1	calcium carbonate	210 mg/m ³
	Vinylpolydimethylsiloxane	530 mg/m ³
14464-46-1	cristobalite	33 mg/m ³
	Methylhydrogenpolysiloxan	330 mg/m ³
	Dihydrogenpolysiloxan	330 mg/m ³
· PAC-3:		
	Polydimethylsiloxan	4,300 mg/m ³
471-34-1	calcium carbonate	1,300 mg/m ³
	Vinylpolydimethylsiloxane	3,200 mg/m ³
14464-46-1	cristobalite	200 mg/m ³
	Methylhydrogenpolysiloxan	2,000 mg/m ³
	Dihydrogenpolysiloxan	2,000 mg/m ³

7 Handling and storage

- · Handling:
- **Precautions for safe handling** Avoid contact with eyes When using do not eat, drink or smoke.
- 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: Keep receptacle tightly sealed.
- · Information about storage in one common storage facility: Not required.
- Further information about storage conditions: None.
- 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:	
	_

471-34-1 calcium carbonate

- PEL Long-term value: 15* 5** mg/m³ *total dust **respirable fraction
- REL Long-term value: 10* 5** mg/m³
- *total dust **respirable fraction
- TLV TLV withdrawn

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(Contd. of page 3) 14464-46-1 cristobalite PEL Long-term value: 0.05* mg/m³ *resp. dust;¹/₂ value from resp.dust formulae 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 8002-74-2 Paraffin waxes and Hydrocarbon waxes REL Long-term value: 2 mg/m³ TLV Long-term value: 2 mg/m³ · 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: Not required. · Material of gloves Not applicable · Penetration time of glove material Not applicable · Eye protection: Goggles recommended during refilling. · Body protection: Protective work clothing 9 Physical and chemical properties Information on basic physical and chemical properties General Information · Appearance: Form: Viscous Color: Blue · Odor: Characteristic · Odor threshold: Not determined. · pH-value: Not determined. · Change in condition Melting point/Melting range: Undetermined. **Boiling point/Boiling range:** >300 °C (>572 °F) >130 °C (>266 °F) · Flash point: · Flammability (solid, gaseous): Not applicable. >400 °C (>752 °F) · Ignition temperature: · Decomposition temperature: Not determined. Auto igniting: Product is not selfigniting. · Danger of explosion: Product does not present an explosion hazard. · Explosion limits: Lower: Not determined. Upper: Not determined. · Oxidizing properties Not determined

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- US



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(Cc	ontd. of page 4
<100 hPa (<75 mm Hg)	
1.4 g/cm ³ (11.683 lbs/gal)	
Not determined.	
Not determined.	
Not determined.	
Not miscible or difficult to mix.	
ter): Not determined.	
Not determined.	
Not determined.	
No further relevant information available.	
-	<100 hPa (<75 mm Hg) 1.4 g/cm ³ (11.683 lbs/gal) Not determined. Not determined. Not determined. Not miscible or difficult to mix. ter): Not determined. Not determined. Not determined.

10 Stability and reactivity

- · Reactivity No dangerous reactions if used according to specifications
- Chemical stability Stable if used according to specifications
- 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: No dangerous decomposition products known.

11 Toxicological information

\cdot Information on toxicological effects

· Additional toxicological information:

The product is not subject to classification according to internally approved calculation methods for preparations:

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.

	O			
•	Carcino	genic	categories	

· IARC (Inter	national Agency for Research on Cancer)		
14464-46-1	cristobalite	1	
14807-96-6	talc	3	
1318-02-1	sodium aluminium silicate	3	
· NTP (National Toxicology Program)			
14464-46-1	cristobalite	K	
· OSHA-Ca (Occupational Safety & Health Administration)		
None of the	ingredients is listed.		

12 Ecological information

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

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⁻US

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- 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:

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: Disposal must be made according to official regulations.
- · Uncleaned packagings:
- · Recommendation: Disposal must be made according to official regulations.

14 Transport information · 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 of MARPOL73/78 and the IBC Code Not applicable. · UN "Model Regulation": Void

15 Regulatory information

- \cdot Safety, health and environmental regulations/legislation specific for the substance or mixture
- · Sara
- · Section 355 (extremely hazardous substances):
- None of the ingredient is listed.

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A2

A4

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3B

Trade name: Silhouette / Silhouette Plus

· 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:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

 \cdot 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.

· Cancerogenity categories

· EPA (Environmental Protection Agency)

None of the ingredients is listed.

· TLV (Threshold Limit Value established by ACGIH)

14464-46-1 cristobalite

14807-96-6 talc

· MAK (German Maximum Workplace Concentration)

14464-46-1 cristobalite

14807-96-6 talc

• NIOSH-Ca (National Institute for Occupational Safety and Health)

14464-46-1 cristobalite

· GHS label elements Void

· Hazard pictograms Void

· Signal word Void

· Hazard statements Void

· 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.

· Department issuing SDS: Department Research & Development

· Contact: Dr. Thomas Veit, Lothar Sutor

· Date of preparation / last revision 06/20/2018 / 1

Abbreviations and acronyms:
 RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
 IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
 ICAO: International Civil Aviation Organisation
 ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)
 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 Transport Association
 IATA: International Air Transport Association
 ACGIH: American Conference of Governmental Industrial Hygienists
 EINECS: European Inventory of Existing Commercial Chemical Substances

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Trade name: Silhouette / Silhouette Plus

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) PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative NIOSH: National Institute for Occupational Safety OSHA: Occupational Safety & Health TLV: Threshold Limit Value PEL: Permissible Exposure Limit REL: Recommended Exposure Limit • * Data compared to the previous version altered.

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