

Safety Data Sheet

acc. to OSHA HCS

Printing date 01/18/2021

Reviewed on 10/21/2019

1 Identification

- **Product identifier**
- **Trade name:** *Sebastian Trilliant Thermal Protection and Shimmer Complex with Rock Crystal*
- **Article number:** 99210015040, 314000010051
- **Application of the substance / the mixture**
Hair care products
Cosmetic product
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
HFC Prestige International Germany GmbH
Berliner Allee 65
64295 Darmstadt
Germany
Wella International Operations Switzerland Sàrl, Chemin Louis-Hubert 1-3, 1213 Petit-Lancy, Switzerland
- **Information department:** *Wella SDS Info Team*
- **Emergency telephone number:**
CHEMTREC Emergency number: +1-703-527-3887
CHEMTREC US/NA Emergency number(toll free): 800-424-9300

2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS02 Flame

Flam. Liq. 3 H226 Flammable liquid and vapor.

- **Label elements**
- **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**



GHS02

- **Signal word** *Warning*
- **Hazard statements**
Flammable liquid and vapor.
- **Precautionary statements**
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Keep container tightly closed.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting/equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Wear protective gloves/protective clothing/eye protection/face protection.
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
In case of fire: Use for extinction: CO2, powder or water spray.
Store in a well-ventilated place. Keep cool.
Dispose of contents/container in accordance with local/regional/national/international regulations.

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

3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

· **Dangerous components:**

64-17-5	ethyl alcohol	>25-≤50%
93685-81-5	Hydrocarbons, C4, 1,3-butadiene-free, polymd., triisobutylene fraction, hydrogenated	>10-≤25%
107-46-0	hexamethyldisiloxane	>2.5-≤10%
56-81-5	glycerol	>2.5-≤10%

4 First-aid measures

- **Description of first aid measures**
- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Immediately rinse with water.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** 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.
- **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**
Wear protective equipment. Keep unprotected persons away.
- **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).
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
- **Reference to other sections**
See Section 7 for information on safe handling.

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See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

· Protective Action Criteria for Chemicals

· PAC-1:		
64-17-5	ethyl alcohol	1,800 ppm
107-46-0	hexamethyldisiloxane	13 ppm
56-81-5	glycerol	45 mg/m ³
25086-89-9	VP/VA Copolymer	1.9 mg/m ³
70131-67-8	Polysiloxanes, di-Me, hydroxy-terminated	190 mg/m ³
57-55-6	Propylene glycol	30 mg/m ³
63148-62-9	Dimethicone	65 mg/m ³
100-51-6	Benzyl alcohol	30 ppm
65997-17-3	Calcium Aluminum Borosilicate	15 mg/m ³
14808-60-7	Quartz (SiO ₂)	0.075 mg/m ³
13463-67-7	titanium dioxide	30 mg/m ³
120-51-4	Benzyl benzoate	5.7 mg/m ³
7631-86-9	Silica	18 mg/m ³
4602-84-0	Farnesol	18 mg/m ³
5989-27-5	Limonene	15 ppm
18282-10-5	Tin Oxide	7.6 mg/m ³

· PAC-2:		
64-17-5	ethyl alcohol	3300* ppm
107-46-0	hexamethyldisiloxane	140 ppm
56-81-5	glycerol	180 mg/m ³
25086-89-9	VP/VA Copolymer	21 mg/m ³
70131-67-8	Polysiloxanes, di-Me, hydroxy-terminated	2,100 mg/m ³
57-55-6	Propylene glycol	1,300 mg/m ³
63148-62-9	Dimethicone	720 mg/m ³
100-51-6	Benzyl alcohol	52 ppm
65997-17-3	Calcium Aluminum Borosilicate	170 mg/m ³
14808-60-7	Quartz (SiO ₂)	33 mg/m ³
13463-67-7	titanium dioxide	330 mg/m ³
120-51-4	Benzyl benzoate	63 mg/m ³
7631-86-9	Silica	740 mg/m ³
4602-84-0	Farnesol	200 mg/m ³
5989-27-5	Limonene	67 ppm
18282-10-5	Tin Oxide	85 mg/m ³

· PAC-3:		
64-17-5	ethyl alcohol	15000* ppm
107-46-0	hexamethyldisiloxane	150 ppm
56-81-5	glycerol	1,100 mg/m ³
25086-89-9	VP/VA Copolymer	120 mg/m ³
70131-67-8	Polysiloxanes, di-Me, hydroxy-terminated	13,000 mg/m ³

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		(Contd. of page 3)
57-55-6	Propylene glycol	7,900 mg/m ³
63148-62-9	Dimethicone	4,300 mg/m ³
100-51-6	Benzyl alcohol	740 ppm
65997-17-3	Calcium Aluminum Borosilicate	990 mg/m ³
14808-60-7	Quartz (SiO ₂)	200 mg/m ³
13463-67-7	titanium dioxide	2,000 mg/m ³
120-51-4	Benzyl benzoate	380 mg/m ³
7631-86-9	Silica	4,500 mg/m ³
4602-84-0	Farnesol	1,200 mg/m ³
5989-27-5	Limonene	170 ppm
18282-10-5	Tin Oxide	510 mg/m ³

7 Handling and storage

- **Handling:**
- **Precautions for safe handling** No special precautions are necessary if used correctly.
- **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:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **Storage class:** 3
- **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:**
The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.
At this time, the other constituents have no known exposure limits.

64-17-5 ethyl alcohol

PEL Long-term value: 1900 mg/m³, 1000 ppm

REL Long-term value: 1900 mg/m³, 1000 ppm

TLV Short-term value: 1880 mg/m³, 1000 ppm

56-81-5 glycerol

PEL Long-term value: 15* 5** mg/m³
mist; *total dust **respirable fraction

TLV TLV withdrawn-insufficient data human occup. exp.

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

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- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
- **Breathing equipment:** Not required.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

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

- **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 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.
- **Eye protection:**



Tightly sealed goggles

9 Physical and chemical properties

- | | |
|--|------------------------------|
| · Information on basic physical and chemical properties | |
| · General Information | |
| · Appearance: | |
| Form: | Fluid |
| Color: | Clear |
| · Odor: | Characteristic |
| · Odor threshold: | Not determined. |
| · pH-value: | Not determined. |
| · Change in condition | |
| Melting point/Melting range: | Undetermined. |
| Boiling point/Boiling range: | Undetermined. |
| · Flash point: | 26 °C (78.8 °F) |
| · Flammability (solid, gaseous): | Not applicable. |
| · Ignition temperature: | 410 °C (770 °F) |
| · Decomposition temperature: | Not determined. |
| · Auto igniting: | Product is not selfigniting. |

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· Danger of explosion:	Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
· Explosion limits:	
Lower:	0.5 Vol %
Upper:	15 Vol %
· Vapor pressure at 20 °C (68 °F):	59 hPa (44.3 mm Hg)
· Density:	Not determined.
· Relative density	Not determined.
· Vapor density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with Water:	Not miscible or difficult to mix.
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
· Solvent content:	
Organic solvents:	63.6 %
Water:	32.8 %
VOC content:	59.27 %
	592.7 g/l / 4.95 lb/gal
Solids content:	0.3 %
· Other information	No further relevant information available.

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **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

- **Information on toxicological effects**
- **Acute toxicity:**

· LD/LC50 values that are relevant for classification:		
64-17-5 ethyl alcohol		
Oral	LD50	10470 mg/kg (rat) (bw (OECD 401))
Inhalative	LC50/4 h	116.9 mg/l (rat) (air (//OECD 403))
93685-81-5 Hydrocarbons, C4, 1,3-butadiene-free, polymd., triisobutylene fraction, hydrogenated		
Oral	LD50	>5000 mg/kg (rat) (bw (//OECD 401))

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Dermal	LD50	>2000 mg/kg (rabbit) (bw (//OECD 402))
Inhalative	LC50/4 h	>15 mg/l (rat) (air (//OECD 403))
107-46-0 hexamethyldisiloxane		
Oral	LD50	>12160 mg/kg (rat) (bw)
Dermal	LD50	>2000 mg/kg (rabbit) (bw (//OECD 402))
Inhalative	LC50/4 h	106 mg/l (rat) (air (OECD 403))
56-81-5 glycerol		
Oral	LD50	23000 mg/kg (rat)
Dermal	LD50	56745 mg/kg (rabbit)
Inhalative	LC50/4 h	4655 mg/l (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)		
64-17-5	ethyl alcohol	1
14808-60-7	Quartz (SiO ₂)	1
13463-67-7	titanium dioxide	2B
7631-86-9	Silica	3
5989-27-5	Limonene	3

- **NTP (National Toxicology Program)**

14808-60-7	Quartz (SiO ₂)	K
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- **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.
- **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 2 (Self-assessment): hazardous for water
 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.

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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.

14 Transport information

<ul style="list-style-type: none"> · UN-Number · DOT, IMDG, IATA 	<p style="text-align: center;">UNI266</p>
<ul style="list-style-type: none"> · UN proper shipping name · DOT · IMDG · IATA 	<p style="text-align: center;">Perfumery products PERFUMERY PRODUCTS (hexamethyldisiloxane, 1H-imidazolium, 1-ethenyl-3-methyl-, chloride, polymer with 1-ethenyl-2-pyrrolidinone), MARINE POLLUTANT PERFUMERY PRODUCTS</p>
<ul style="list-style-type: none"> · Transport hazard class(es) · DOT 	<div style="display: flex; align-items: center; gap: 10px;">   </div> <p style="text-align: center;">3 Flammable liquids 3</p>
<ul style="list-style-type: none"> · IMDG 	<div style="display: flex; align-items: center; gap: 10px;">   </div> <p style="text-align: center;">3 Flammable liquids 3</p>
<ul style="list-style-type: none"> · IATA 	<div style="display: flex; align-items: center; gap: 10px;">  </div> <p style="text-align: center;">3 Flammable liquids 3</p>
<ul style="list-style-type: none"> · Packing group · DOT, IMDG, IATA 	<p style="text-align: center;">III</p>
<ul style="list-style-type: none"> · Environmental hazards: · Marine pollutant: 	<p style="text-align: center;">Yes (DOT) Symbol (fish and tree)</p>
<ul style="list-style-type: none"> · Special precautions for user 	<p style="text-align: center;">Warning: Flammable liquids</p>

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· Hazard identification number (Kemler code):	30
· EMS Number:	F-E,S-D
· Stowage Category	A
· Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.
· Transport/Additional information:	
· DOT	
· Quantity limitations	On passenger aircraft/rail: 60 L On cargo aircraft only: 220 L
· Remarks:	Special marking with the symbol (fish and tree).
· IMDG	
· Limited quantities (LQ)	5L
· Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· UN "Model Regulation":	UN 1266 PERFUMERY PRODUCTS, 3, III, ENVIRONMENTALLY HAZARDOUS

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
No further relevant information available.
- **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):**

7732-18-5	water, distilled, conductivity or of similar purity	ACTIVE
64-17-5	ethyl alcohol	ACTIVE
107-46-0	hexamethyldisiloxane	ACTIVE
56-81-5	glycerol	ACTIVE
25086-89-9	VP/VA Copolymer	ACTIVE
70131-67-8	Polysiloxanes, di-Me, hydroxy-terminated	ACTIVE
57-55-6	Propylene glycol	ACTIVE
5466-77-3	Ethylhexyl Methoxycinnamate	ACTIVE
63148-62-9	Dimethicone	ACTIVE
100-51-6	Benzyl alcohol	ACTIVE
101-86-0	Hexyl cinnamal	ACTIVE
118-58-1	benzyl salicylate	ACTIVE
122-40-7	Amyl cinnamal	ACTIVE
65997-17-3	Calcium Aluminum Borosilicate	ACTIVE
14808-60-7	Quartz (SiO ₂)	ACTIVE
106-22-9	Citronellol	ACTIVE

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107-75-5	Hydroxycitronellal	ACTIVE
13463-67-7	titanium dioxide	ACTIVE
78-70-6	Linalool	ACTIVE
120-51-4	Benzyl benzoate	ACTIVE
7631-86-9	Silica	ACTIVE
106-24-1	geraniol	ACTIVE
4602-84-0	Farnesol	ACTIVE
5989-27-5	Limonene	ACTIVE
128-80-3	1,4-bis(p-tolylamino)anthraquinone	ACTIVE
104-54-1	Cinnamyl alcohol	ACTIVE
5392-40-5	Citral	ACTIVE
18282-10-5	Tin Oxide	ACTIVE

· **Hazardous Air Pollutants**

None of the ingredients is listed.

· **Proposition 65**

· **Chemicals known to cause cancer:**

14808-60-7 Quartz (SiO₂)

13463-67-7 titanium dioxide

· **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:**

64-17-5 ethyl alcohol

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value established by ACGIH)**

64-17-5 ethyl alcohol

A3

14808-60-7 Quartz (SiO₂)

A2

13463-67-7 titanium dioxide

A4

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

14808-60-7 Quartz (SiO₂)

13463-67-7 titanium dioxide

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

· **Hazard pictograms**



GHS02

· **Signal word** Warning

· **Hazard statements**

Flammable liquid and vapor.

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· **Precautionary statements**

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

Keep container tightly closed.

Ground/bond container and receiving equipment.

Use explosion-proof electrical/ventilating/lighting/equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

Wear protective gloves/protective clothing/eye protection/face protection.

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

In case of fire: Use for extinction: CO2, powder or water spray.

Store in a well-ventilated place. Keep cool.

Dispose of contents/container in accordance with local/regional/national/international regulations.

· **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:** *Abteilung Umweltschutz*

· **Contact:** *Hr. Dr. Speckbacher*

· **Date of preparation / last revision** *01/18/2021 / -*

· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international 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)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

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

Flam. Liq. 3: Flammable liquids – Category 3