

Safety Data Sheet

acc. to OSHA HCS

Printing date 08/08/2018

Reviewed on 08/08/2018

1 Identification

- **Product identifier**
- **Trade name:** Sebastian Shaper Plus 80
- **Article number:** 96626093
- **Application of the substance / the mixture** Hair styling product
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Coty Cosmetics, Inc.
4500 Park Granada
Calabasas, CA 91302
USA
- **Information department:** Coty 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. Aerosol 1 H222 Extremely flammable aerosol.

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



GHS02

- **Signal word** Danger
- **Hazard statements**
Extremely flammable aerosol.
- **Precautionary statements**
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Do not spray on an open flame or other ignition source.
Pressurized container: Do not pierce or burn, even after use.
Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



Health = 0
Fire = 4
Reactivity = 3

- **HMIS-ratings (scale 0 - 4)**



Health = *0
Fire = 4
Reactivity = 3

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

(Contd. on page 2)

Safety Data Sheet

acc. to OSHA HCS

Printing date 08/08/2018

Reviewed on 08/08/2018

Trade name: Sebastian Shaper Plus 80

(Contd. of page 1)

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

Dangerous components:

64-17-5	ethanol	64.137%
75-37-6	1,1-difluoroethane	15.99%
75-28-5	isobutane	14.01%

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:** 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.
- **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:** Ensure adequate ventilation.
- **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.
- **Protective Action Criteria for Chemicals**

PAC-1:

64-17-5	ethanol	1,800 ppm
75-37-6	1,1-difluoroethane	10,000 ppm
75-28-5	isobutane	5500* ppm
56-81-5	glycerol	45 mg/m ³
124-68-5	2-amino-2-methylpropanol	17 mg/m ³
75-65-0	2-methylpropan-2-ol	150 ppm
120-51-4	Benzyl benzoate	5.7 mg/m ³
5989-27-5	(R)-p-mentha-1,8-diene	15 ppm
100-51-6	Benzyl alcohol	30 ppm
4602-84-0	Farnesol	18 mg/m ³

(Contd. on page 3)

Safety Data Sheet

acc. to OSHA HCS

Printing date 08/08/2018

Reviewed on 08/08/2018

Trade name: Sebastian Shaper Plus 80

(Contd. of page 2)

· PAC-2:		
64-17-5	ethanol	3300* ppm
75-37-6	1,1-difluoroethane	15,000 ppm
75-28-5	isobutane	17000** ppm
56-81-5	glycerol	180 mg/m ³
124-68-5	2-amino-2-methylpropanol	190 mg/m ³
75-65-0	2-methylpropan-2-ol	1,300 ppm
120-51-4	Benzyl benzoate	63 mg/m ³
5989-27-5	(R)-p-mentha-1,8-diene	67 ppm
100-51-6	Benzyl alcohol	52 ppm
4602-84-0	Farnesol	200 mg/m ³

· PAC-3:		
64-17-5	ethanol	15000* ppm
75-37-6	1,1-difluoroethane	25,000 ppm
75-28-5	isobutane	53000*** ppm
56-81-5	glycerol	1,100 mg/m ³
124-68-5	2-amino-2-methylpropanol	570 mg/m ³
75-65-0	2-methylpropan-2-ol	8000* ppm
120-51-4	Benzyl benzoate	380 mg/m ³
5989-27-5	(R)-p-mentha-1,8-diene	170 ppm
100-51-6	Benzyl alcohol	740 ppm
4602-84-0	Farnesol	1,200 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:**

Do not spray on a naked flame or any incandescent material.

Keep ignition sources away - Do not smoke.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.

- **Conditions for safe storage, including any incompatibilities**

- **Storage:**

- **Requirements to be met by storerooms and receptacles:**

Observe official regulations on storing packagings with pressurized containers.

- **Information about storage in one common storage facility:** Not required.

- **Further information about storage conditions:** Keep receptacle tightly sealed.

- **Storage class:** 2 B

- **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:**

64-17-5 ethanol

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

(Contd. on page 4)

Safety Data Sheet

acc. to OSHA HCS

Printing date 08/08/2018

Reviewed on 08/08/2018

Trade name: Sebastian Shaper Plus 80

(Contd. of page 3)

REL	Long-term value: 1900 mg/m ³ , 1000 ppm
TLV	Short-term value: 1880 mg/m ³ , 1000 ppm
75-28-5 isobutane	
TLV	Short-term value: 2370 mg/m ³ , 1000 ppm (EX)

· **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:** Use suitable respiratory protective device in case of insufficient ventilation.

· **Protection of hands:**

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:** Not required.

9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

Form: Aerosol

Color: According to product specification

· **Odor:** Characteristic

· **Odor threshold:** Not determined.

· **pH-value:** Not determined.

· **Change in condition**

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: -24 °C (-11.2 °F)

· **Flash point:** -42 °C (-43.6 °F)

· **Flammability (solid, gaseous):** Not applicable.

· **Decomposition temperature:** Not determined.

· **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: Not determined.

Upper: Not determined.

· **Vapor pressure:** Not determined.

· **Density:** Not determined.

(Contd. on page 5)

Safety Data Sheet

acc. to OSHA HCS

Printing date 08/08/2018

Reviewed on 08/08/2018

Trade name: Sebastian Shaper Plus 80

(Contd. of page 4)

· Relative density	Not determined.
· Vapor density	Not determined.
· Evaporation rate	Not applicable.
· 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:	64.7 %
Water:	0.1 %
VOC content:	78.39 %
	783.9 g/l / 6.54 lb/gal
· 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 ethanol

Oral	LD50	10,470 mg/kg (rat) (bw (OECD 401))
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Inhalative	LC50/4 h	116.9 mg/l (rat) (air (//OECD 403))
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75-37-6 1,1-difluoroethane

Inhalative	LC50/4 h	977 mg/l (mouse)
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124-28-7 N,N-dimethyloctadecylamine

Oral	LD50	1,015 mg/kg (rat) (bw (Read across data on N,N-dimethylhexadecan-1-am))
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Dermal	LD50	>1,612 mg/kg (rabbit) (bw (Guideline: Protocol No. C10 Acute Percutaneous))
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- **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	ethanol	1
5989-27-5	(R)-p-mentha-1,8-diene	3
97-53-0	Eugenol	3

(Contd. on page 6)

Safety Data Sheet

acc. to OSHA HCS

Printing date 08/08/2018

Reviewed on 08/08/2018

Trade name: Sebastian Shaper Plus 80

(Contd. of page 5)

· **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.
- **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:**
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

- | | |
|---|---------------------|
| · UN-Number | |
| · DOT, IMDG, IATA | UN1950 |
| · UN proper shipping name | |
| · DOT | Aerosols, flammable |
| · IMDG | AEROSOLS |
| · IATA | AEROSOLS, flammable |
| · Transport hazard class(es) | |
| · DOT | |
|  | |
| · Class | 2.1 |

(Contd. on page 7)

Safety Data Sheet


acc. to OSHA HCS

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Reviewed on 08/08/2018

Trade name: Sebastian Shaper Plus 80

(Contd. of page 6)

· Label	2.1
· IMDG, IATA	
	
· Class	2.1
· Label	2.1
· Packing group	
· DOT, IMDG, IATA	not regulated
· Environmental hazards:	Not applicable.
· Special precautions for user	Warning: Gases
· Danger code (Kemler):	-
· EMS Number:	F-D,S-U
· Stowage Code	SW1 Protected from sources of heat. SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.
· Segregation Code	SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· Transport/Additional information:	
· DOT	
· Quantity limitations	On passenger aircraft/rail: 75 kg On cargo aircraft only: 150 kg
· IMDG	
· Limited quantities (LQ)	1L
· Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity
· UN "Model Regulation":	UN 1950 AEROSOLS, 2.1

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.

· Section 313 (Specific toxic chemical listings):

75-65-0 | 2-methylpropan-2-ol

· TSCA (Toxic Substances Control Act):

64-17-5 | ethanol

75-37-6 | 1,1-difluoroethane

75-28-5 | isobutane

(Contd. on page 8)

Safety Data Sheet

acc. to OSHA HCS

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Reviewed on 08/08/2018

Trade name: Sebastian Shaper Plus 80

(Contd. of page 7)

124-28-7	<i>N,N</i> -dimethyloctadecylamine
56-81-5	glycerol
124-68-5	2-amino-2-methylpropanol
75-65-0	2-methylpropan-2-ol
61790-81-6	Lanolin, ethoxylated
70801-07-9	2-Propenoic acid, 2-methyl-, 2-[(1,1-dimethylethyl)amino]ethyl ester, polymer with methyl 2-methyl-2-propenoate, 1,2-propanediol mono(2-methyl-2-propenoate), 2-propenoic acid and <i>N</i> -(1,1,3,3-tetramethylbutyl)-2-propenamide
5466-77-3	2-Propenoic acid, 3-(4-methoxyphenyl)-, 2-ethylhexyl ester
107-75-5	Hydroxycitronellal
78-70-6	Linalool
81-13-0	Butanamide, 2,4-dihydroxy- <i>N</i> -(3-hydroxypropyl)-3,3-dimethyl-, (2 <i>R</i>)-
118-58-1	benzyl salicylate
127-51-5	alpha-iso-Methylionone
122-40-7	alpha-Amylcinnamaldehyde
131-57-7	oxybenzone
106-24-1	Geraniol
106-22-9	dl-Citronellol
101-86-0	alpha-Hexylcinnamaldehyde
120-51-4	Benzyl benzoate
5989-27-5	(<i>R</i>)- <i>p</i> -mentha-1,8-diene
70729-87-2	Isooctadecanoic acid, compd. with <i>N,N</i> -dimethyl-1-dodecanamine (1:1)
3734-33-6	denatonium benzoate
97-53-0	Eugenol
100-51-6	Benzyl alcohol
4602-84-0	Farnesol
101-85-9	alpha-Amylcinnamyl alcohol
5392-40-5	Citral
7732-18-5	water, distilled, conductivity or of similar purity

· 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.

· Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

· Chemicals known to cause developmental toxicity:

64-17-5 ethanol

· Carcinogenic categories
· EPA (Environmental Protection Agency)

None of the ingredients is listed.

· TLV (Threshold Limit Value established by ACGIH)

64-17-5 ethanol A3

75-65-0 2-methylpropan-2-ol A4

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

None of the ingredients is listed.

(Contd. on page 9)

Safety Data Sheet

acc. to OSHA HCS

Printing date 08/08/2018

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Trade name: Sebastian Shaper Plus 80

(Contd. of page 8)

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



GHS02

- **Signal word** *Danger*
- **Hazard statements**
Extremely flammable aerosol.
- **Precautionary statements**
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Do not spray on an open flame or other ignition source.
Pressurized container: Do not pierce or burn, even after use.
Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
- **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** *08/08/2018 / -*
- **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)
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. Aerosol 1: Aerosols – Category 1

US