

Safety Data Sheet

acc. to OSHA HCS

Printing date 05/16/2017

Reviewed on 05/16/2017

1 Identification

- **Product identifier**
- **Trade name:** Sebastian Professional Shaper ID
- **Article number:** 99210001861 - 1.1
- **Application of the substance / the mixture** Hair styling product
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
The Wella Corporation,
Woodland Hills, CA 91367
- **Information department:** Coty SDS Info Team
- **Emergency telephone number:**
CHEMTREC Emergency number: +1-703-741-5500
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-H229 Extremely flammable aerosol. Pressurized container: May burst if heated.

- **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. Pressurized container: May burst if heated.
- **Precautionary statements**
*Keep away from heat/sparks/open flames/hot surfaces. No smoking.
Do not spray on an open flame or other ignition source.
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.

(Contd. on page 2)

US

Safety Data Sheet

acc. to OSHA HCS

Printing date 05/16/2017

Reviewed on 05/16/2017

Trade name: Sebastian Professional Shaper ID

(Contd. of page 1)

· **vPvB:** Not applicable.

3 Composition/information on ingredients

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

- **Dangerous components:**

115-10-6	dimethyl ether	33.5%
64-17-5	ethanol	19.5%
106-97-8	butane	1.02%

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:**

115-10-6	dimethyl ether	3,000 ppm
64-17-5	ethanol	1,800 ppm
106-97-8	butane	5500* ppm
124-68-5	2-amino-2-methylpropanol	17 mg/m ³
68439-49-6	Alcohols, C16-18, ethoxylated	3.8 mg/m ³
74-98-6	propane	5500* ppm
75-28-5	isobutane	5500* ppm

(Contd. on page 3)

Safety Data Sheet

acc. to OSHA HCS

Printing date 05/16/2017

Reviewed on 05/16/2017

Trade name: Sebastian Professional Shaper ID

(Contd. of page 2)

65-85-0	Benzoic acid	13 mg/m ³
7664-41-7	ammonia, anhydrous	30 ppm
5989-27-5	(R)-p-mentha-1,8-diene	15 ppm
91-64-5	Coumarin	0.88 mg/m ³
120-51-4	Benzyl benzoate	5.7 mg/m ³

· PAC-2:

115-10-6	dimethyl ether	3800* ppm
64-17-5	ethanol	3300* ppm
106-97-8	butane	17000** ppm
124-68-5	2-amino-2-methylpropanol	190 mg/m ³
68439-49-6	Alcohols, C16-18, ethoxylated	42 mg/m ³
74-98-6	propane	17000** ppm
75-28-5	isobutane	17000** ppm
65-85-0	Benzoic acid	140 mg/m ³
7664-41-7	ammonia, anhydrous	160 ppm
5989-27-5	(R)-p-mentha-1,8-diene	67 ppm
91-64-5	Coumarin	9.7 mg/m ³
120-51-4	Benzyl benzoate	63 mg/m ³

· PAC-3:

115-10-6	dimethyl ether	7200* ppm
64-17-5	ethanol	15000* ppm
106-97-8	butane	53000*** ppm
124-68-5	2-amino-2-methylpropanol	570 mg/m ³
68439-49-6	Alcohols, C16-18, ethoxylated	250 mg/m ³
74-98-6	propane	33000*** ppm
75-28-5	isobutane	53000*** ppm
65-85-0	Benzoic acid	830 mg/m ³
7664-41-7	ammonia, anhydrous	1,100 ppm
5989-27-5	(R)-p-mentha-1,8-diene	170 ppm
91-64-5	Coumarin	58 mg/m ³
120-51-4	Benzyl benzoate	380 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.

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.

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

· **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.

(Contd. on page 4)

Safety Data Sheet

acc. to OSHA HCS

Printing date 05/16/2017

Reviewed on 05/16/2017

Trade name: Sebastian Professional Shaper ID

(Contd. of page 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:**

115-10-6 dimethyl ether

WEEL Long-term value: 1000 ppm

64-17-5 ethanol

PEL Long-term value: 1900 mg/m³, 1000 ppmREL Long-term value: 1900 mg/m³, 1000 ppmTLV Short-term value: 1880 mg/m³, 1000 ppm

106-97-8 butane

REL Long-term value: 1900 mg/m³, 800 ppmTLV Short-term value: 2370 mg/m³, 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: Whitish

· **Odor:** Characteristic· **Odor threshold:** Not determined.· **pH-value:** Not determined.· **Change in condition**

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: -42 °C (-44 °F)

(Contd. on page 5)

Safety Data Sheet

acc. to OSHA HCS

Printing date 05/16/2017

Reviewed on 05/16/2017

Trade name: Sebastian Professional Shaper ID

(Contd. of page 4)

· Flash point:	-24 °C (-11 °F)
· Flammability (solid, gaseous):	Not applicable.
· Ignition temperature:	235 °C (455 °F)
· 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:	3.0 Vol %
Upper:	18.6 Vol %
· Vapor pressure at 20 °C (68 °F):	5200 hPa (3900 mm Hg)
· Density:	Not determined.
· 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:	54.8 %
Water:	41.0 %
VOC content:	55.0 %
	550.0 g/l / 4.59 lb/gl
Solids content:	3.9 %
· 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:**

115-10-6 dimethyl ether

Inhalative	LC50/4 h	308 mg/l (rat)
------------	----------	----------------

(Contd. on page 6)

US

Safety Data Sheet

acc. to OSHA HCS

Printing date 05/16/2017

Reviewed on 05/16/2017

Trade name: Sebastian Professional Shaper ID

(Contd. of page 5)

64-17-5 ethanol

Oral LD50 10470 mg/kg (rat) (bw (OECD 401))

Inhalative LC50/4 h 116.9 mg/l (rat) (air (//OECD 403))

106-97-8 butane

Inhalative LC50/4 h 658 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	ethanol	1
5989-27-5	(R)-p-mentha-1,8-diene	3
91-64-5	Coumarin	3
128-37-0	2,6-di-tert-butyl-p-cresol	3

· **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.

US

(Contd. on page 7)

Safety Data Sheet

acc. to OSHA HCS



Printing date 05/16/2017

Reviewed on 05/16/2017

Trade name: Sebastian Professional Shaper ID

(Contd. of page 6)

14 Transport information

<ul style="list-style-type: none"> · UN-Number · DOT, IMDG, IATA 	<p style="margin: 0;">UN1950</p>
<ul style="list-style-type: none"> · UN proper shipping name · DOT · IMDG · IATA 	<p style="margin: 0;">Aerosols, flammable AEROSOLS AEROSOLS, flammable</p>
<ul style="list-style-type: none"> · Transport hazard class(es) · DOT 	<div style="text-align: center;">  </div>
<ul style="list-style-type: none"> · Class · Label 	<p style="margin: 0;">2.1 2.1</p>
<ul style="list-style-type: none"> · IMDG, IATA 	<div style="text-align: center;">  </div>
<ul style="list-style-type: none"> · Class · Label 	<p style="margin: 0;">2.1 2.1</p>
<ul style="list-style-type: none"> · Packing group · DOT, IMDG, IATA 	<p style="margin: 0;">not regulated</p>
<ul style="list-style-type: none"> · Environmental hazards: 	<p style="margin: 0;">Not applicable.</p>
<ul style="list-style-type: none"> · Special precautions for user · Danger code (Kemler): · EMS Number: · Stowage Code 	<p style="margin: 0;">Not applicable. - F-D,S-U 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.</p>
<ul style="list-style-type: none"> · Segregation Code 	<p style="margin: 0;">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.</p>
<ul style="list-style-type: none"> · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code 	<p style="margin: 0;">Not applicable.</p>
<ul style="list-style-type: none"> · Transport/Additional information: · DOT · Quantity limitations 	<p style="margin: 0;">On passenger aircraft/rail: 75 kg On cargo aircraft only: 150 kg</p>
<ul style="list-style-type: none"> · IMDG · Limited quantities (LQ) · Excepted quantities (EQ) 	<p style="margin: 0;">1L Code: E0 Not permitted as Excepted Quantity</p>

(Contd. on page 8)

Safety Data Sheet

acc. to OSHA HCS

Printing date 05/16/2017

Reviewed on 05/16/2017

Trade name: Sebastian Professional Shaper ID

(Contd. of page 7)

· 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):

7664-41-7	ammonia, anhydrous
-----------	--------------------

- Section 313 (Specific toxic chemical listings):

7664-41-7	ammonia, anhydrous
-----------	--------------------

- 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.

- 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)

65-85-0	Benzoic acid		
---------	--------------	--	--

D

- TLV (Threshold Limit Value established by ACGIH)

64-17-5	ethanol		
---------	---------	--	--

A3

128-37-0	2,6-di-tert-butyl-p-cresol		
----------	----------------------------	--	--

A4

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

None of the ingredients is listed.

- 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. Pressurized container: May burst if heated.

- Precautionary statements

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

Do not spray on an open flame or other ignition source.

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.

US

(Contd. on page 9)

Safety Data Sheet

acc. to OSHA HCS

Printing date 05/16/2017

Reviewed on 05/16/2017

Trade name: Sebastian Professional Shaper ID

(Contd. of page 8)

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** 05/16/2017 / -

· **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