

Safety Data Sheet

according to ANSI Z400.1-1998

BODY DOUBLE THICK FINISH VOLUMIZING HAIR SPRAY 92% VOC

Date: April 15, 2008

Product code : 74467010100A

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1. Product and Company Identification

1.1 Commercial product name

Sebastian International BODY DOUBLE THICK FINISH VOLUMIZING HAIR SPRAY 92% VOC

Chemical characterization : (preparation)
Contains >45% by mass of flammable ingredients.

1.2 Information manufacturer / supplier

Company name : SEBASTIAN INTERNATIONAL - 6109 De Soto Avenue - Woodland Hills, CA 91367
Telephone: (818) 999-5112
Prepared by:: WELLA AG - Berliner Allee 65 - D--64274 Darmstadt
Contact person : RD-PSCE-Herr Schoder Telephone : 0049 -(0)6151-34-0
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Inquiry office : FOR USA ONLY call CHEMTREC 1-800-424-9300
Emergency telephone : 0049-(0)-6151-340-Germany

2. Composition / Information on Components

Hazardous components

CAS No.	Components	Quantity
115-10-6	DIMETHYLETHER	10% -15%
64-17-5	ETHANOL (ALCOHOL)	60% - 65%
106-97-8	BUTANE	5% - 7%
74-98-6	PROPANE	7% - 10%
75-28-5	ISOBUTANE	1% - 3%
25119-68-0	METHOXYETHENE,POLYMER WITH 2-BUTENEDICARBONIC ACID MONOBUTYLESTER,ETHANOL SOLUTION 50% (ALCOHOL AND BUTYL ESTER OF PVM/MA COPOLYMER)	5% - 7%

3. Hazards Identification

Route(s) of Entry

Inhalation Yes
Ingestion: Yes
Skin: Yes

Signs and Symptoms of Exposure

Inhalation of high vapour concentrations can cause CNS-depression and narcosis.
Irritating to eyes.
Prolonged or repeated skin contact can have an irritating effect.

Carcinogenicity (NTP) : No

Carcinogenicity (IARC) : No

Carcinogenicity (OSHA) : No

Explication of special hazards for human health and environment

Extremely flammable.
In use, may form flammable/explosive vapour-air mixture.

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4. First Aid Measures

After inhalation

Move to fresh air in case of accidental inhalation of vapours or decomposition products.
If symptoms persist, call a physician.

After contact with eyes

Flush eye(s) immediately with plenty of water.
If eye irritation persists, consult a specialist.

After ingestion

Clean mouth with water and drink afterwards plenty of water.
If symptoms persist, call a physician.

5. Fire Fighting Measures

Suitable extinguishing media

sprayed water stream
foam
chemical fire extinguisher
carbon dioxide (CO₂)

Special exposure hazards arising from the chemical

In case of a fire explosion of the aerosol cans is possible. People have to be evacuated from the storage area. Fire-fighters must be informed about the presence of aerosol cans. Surrounding containers have to be cooled with spray water from a safe distance.

Special protective equipment for firefighters

Wear self-contained breathing apparatus and protective suit.

Additional information

Contaminated extinguishing water and soil must be disposed of in accordance with official regulations.

6. Accidental Release Measures

Personal precautions

Remove all sources of ignition.
Do not inhale aerosol.
Ensure adequate ventilation.
Avoid contact with eyes.

Environmental precautions

Do not flush into surface water or sanitary sewer system.

Methods for cleaning up/taking up

Soak up the product with absorbent, non-flammable material.
Risk of fire.
After cleaning, flush away traces with water.

7. Handling and Storage

7.1 Handling

Advice on safe handling

Do not inhale. Do not spray into the eyes or on irritated skin. Follow strictly instructions for use on the package.

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Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking.
Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material. Spray in short sequences and ventilate room after spraying. Do not use or store near heaters or electric appliances while they are running.

7.2 Storage

Requirements for storage rooms and vessels

Keep at temperatures above -20 °C.
Keep at temperature not exceeding 40 °C.

Further information on storage conditions

Keep out of reach of children.
Observe storage regulations for aerosols.

8. Exposure Controls / Personal Protection

8.1 Exposure limit values

Permissible exposure limits (PEL)

CAS No.	Components	ml/m ³	mg/m ³	fib/cc	Category	Origin
106-97-8	BUTANE	1000	2350		TWA (8 h)	MAK
115-10-6	DIMETHYLETHER	1000	1910		TWA (8 h)	TRGS900
64-17-5	ETHANOL (ALCOHOL)	1000	1900		TWA (8 h)	TRGS900

Additional advice on control parameters

The maximum occupational exposure limit will not be reached under normal conditions of use

8.2 Exposure controls

9. Physical and Chemical Properties

9.1 Appearance

Form : liquid
Colour : colourless
Odour : perfumed

9.2 Important health, safety and environmental information

pH-Value : 5.8 - 6.8 * Test method

Changes in the physical state

Flash point : 14 °C DIN 51755 *

Flammability

Explosive properties

In use, may form flammable/explosive vapour-air mixture.

Lower explosion limits : 1.3 (ISOBUTANE) vol. %

Upper explosion limits : 18.6 (DIMETHYLETHER) vol. %

Ignition temperature : 235 °C (DIMETHYLETHER)

Oxidizing properties

Not applicable

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Vapour pressure : 3.8 - 4.8 bar hPa
at (20 °C)

Vapour pressure : 7.5 - 8.5 bar hPa
at (50 °C)

Density (at 20 °C) : 0.729 - 0.749 g/cm³

Water solubility : completely miscible

Solvent content

max.65%

* bulk solution without propellants

10. Stability and Reactivity

Stability

Stable

Conditions to avoid

Heating in air.Keep away from direct sunlight.
Avoid sparks and static charges.

Materials to avoid

oxidising agents

Possibility of Hazardous Reactions

May occur

11. Toxicological Information

Acute toxicity

LD50/oral/rat = >2000 mg/kg (calculated)

Inhalation of high vapour concentrations can cause CNS-depression and narcosis.

Irritancy and corrosiveness

Eye irritation:

Irritating to eyes.

Skin irritation:

non-irritant*

Patch test on human volunteers did not demonstrate irritating properties.

Sensitising effect

non-sensitizing*

Subacute, subchronic and prolonged toxicity

Solvents may degrease the skin.

12. Ecological Information

Ecotoxicity

The product is not considered to be hazardous to water organisms.

13. Disposal Considerations

Advice on disposal

The can must be completely empty before disposal.

14. Transport Information

US DOT 49 CFR 172.101

Land transport (ADR/RID)

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ADR/RID class : 2
Warnings plate
UN number : 1950

Description of the goods

Aerosols,flammable

Inland waterways transport

Marine transport

IMDG code : 2
UN number : 1950
EmS : F-D,S-U

Description of the goods

Aerosols,flammable

Air transport

ICAO/IATA-DGR : 2.1
UN/ID number : 1950
IATA-packing instructions - Passenger : 203
IATA-packing instructions - Cargo : 203

Description of the goods

Aerosols,flammable

15. Regulatory Information

U.S. Regulations

16. Other Information

Other data

This Safety Data Sheet serves as voluntary customer information. There exists no legal obligation to deliver Safety Data Sheets for cosmetic finished products in the EU.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)