1. Product and Company Identification

Commercial product name
SEBASTIAN SHAPER HAIRSPRAY 55% VOC

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

Information manufacturer / supplier
Company name: SEBASTIAN INTERNATIONAL - 6109 De Soto Avenue, Woodland Hills, CA 91367
Telephone: (818) 999-5112
Contact person: RD-PSCE-Herr Schoder
Telephone: 0049-(0)6151-34-0
e-mail: Schoder.W@pg.com
Internet: www.wella.com
Inquiry office: Emergency telephone USA only: call CHEMTREC 1-800-424-9300
Emergency telephone: 0049-(0)-6151-340-Germany

2. Hazards Identification

Route(s) of Entry
Inhalation: Yes
Ingestion: No
Skin: Yes

Signs and Symptoms of Exposure
Inhalation of high vapour concentrations can cause CNS-depression and narcosis.
Effects of breathing high concentrations of vapour may include cardiac irregularities
Irritating to eyes.

Carcinogenicity (NTP): No
Carcinogenicity (IARC): No
Carcinogenicity (OSHA): No

Special hazards for human health and environment
Extremely flammable.
In use, may form flammable/explosive vapour-air mixture.

3. Composition/Information on Ingredients

Hazardous components

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>Components</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>64-17-5</td>
<td>ETHANOL (ALCOHOL)</td>
<td>50% - 60%</td>
</tr>
<tr>
<td>25119-68-0</td>
<td>METHOXYETHENE, POLYMER WITH 2-BUTENEDICARBONIC ACID, MONOBUTYLESTER, ETHANOL SOLUTION 50%</td>
<td>5% - 10%</td>
</tr>
<tr>
<td>75-37-6</td>
<td>1,1-DIFLUOROETHANE (HYDROFLUOROCARBON 152A)</td>
<td>40% - 50%</td>
</tr>
</tbody>
</table>

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
- Alcohol-resistant 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 breathe vapours or spray mist.
- 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

**Handling**

**Advice on safe handling**
- Spray in short sequences and ventilate room after spraying.
- Do not inhale. Follow strictly instructions for use on the package.

**Advice on protection against fire and explosion**
- Extremely flammable.
- In use, may form flammable/explosive vapour-air mixture.
- 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.

**Further information on handling**
- Do not spray into the eyes or on irritated skin.
- Do not inhale intentionally.

**Storage**

**Requirements for storage rooms and vessels**
- Keep in a dry, cool place.
- Keep out of reach of children.
8. Exposure Controls/Personal Protection

Exposure limits

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>Components</th>
<th>ml/m³</th>
<th>mg/m³</th>
<th>fib/cc</th>
<th>Category</th>
<th>Origin</th>
</tr>
</thead>
<tbody>
<tr>
<td>64-17-5</td>
<td>Ethyl alcohol (Ethanol)</td>
<td>1000</td>
<td>1900</td>
<td></td>
<td>TWA (8 h)</td>
<td>PEL</td>
</tr>
</tbody>
</table>

Additional advice on control parameters
1,1-Difluoroethane ; CAS-no.:75-37-6: Acceptable exposure limit (8h-TWA) = 1000 ml/m³ (Du Pont)

Exposure controls

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

9. Physical and Chemical Properties

Appearance
Form: Spray
Color: colourless
Odor: perfumed

Important health, safety and environmental information

Test method
pH-Value: 5.5 - 6.5 bulk solution without propellants

Changes in the physical state
Flash point: not applicable (aerosol)

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

Lower explosion limits: 3.5 (ETHANOL) vol. %
Upper explosion limits: 16.9 (1,1-DIFLUOROETHANE)

Oxidizing properties
Not applicable

Water solubility: completely miscible bulk solution without propellants

Solvent content
50% - 60%

Other information
Ignition temperature: 425 °C (ETHANOL)

10. Stability and Reactivity

Stability
Stable

Conditions to avoid
To avoid thermal decomposition, do not overheat.
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.

**Corrosive and irritant effects**
- Eye irritation: Irritating to eyes.
- Skin irritation: non-irritant

**Sensitising effects**
- No known sensitizing effect.

### 12. Ecological Information

**Ecotoxicity**
- The product is not considered to be hazardous to water organisms.

### 13. Disposal Considerations

**Advice on disposal**
- In accordance with local and national regulations.
- The can must be completely empty before disposal.

### 14. Transport Information

**US DOT 49 CFR 172.101**

**Proper shipping name**
- Consumer Commodity ORM-D

**Land transport (ADR/RID)**
- ADR/RID class: 2
- Warning plate: UN number: 1950
- **Description of the goods**
  - Aerosols, flammable

**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

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Revision date: 30.11.2006

USA - EN
Description of the goods
Aerosols, flammable

15. Regulatory Information

U.S. Regulations
National Inventory TSCA
Cosmetic products are not regulated under TSCA.

16. Other Information

Other data
Canada: WHMIS classification: Class A; B1; D2B

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