

KPSS Inc.

Revised: 24.11.2005

**01. Chemical Product and Company Information**

**Product:** GW Styling Sprayer

**Use:** Styling product

**Article number:** 227808=100ml, 227809=300ml, 227810=500ml,

**Company:** KPSS Inc.

Linthicum Heights, MD 21090

**Phone:** 001410-850-7555

**Fax:**

**eMail:**

**Homepage:** www.kpss-hair.com

**Emergency phone:** 24 Hour Emergency 800-424-9300 (Chemtrec)

**02. Composition / Information on Ingredients**

CAS	Substance	Percent
75-37-6	1,1-Difluorethane	20 - < 40
109-66-0	Pentane	15 - < 25
67-63-0	Propan-2-ol	1 - < 5
64-17-5	Ethanol	20 - < 30
124-68-5	2-Amino-2-methylpropanol	1 - < 5

**03. Hazards identification**

R 12: Extremely flammable. R 52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R 67: Vapours may cause drowsiness and dizziness. R 66: Repeated exposure may cause skin dryness or cracking.

<b>0</b>	<b>HEALTH</b>
<b>4</b>	<b>FLAMMABILITY</b>
<b>1</b>	<b>REACTIVITY</b>
<b>I</b>	<b>PERSONAL PROTECTION</b>

**HMIS Ratings**

**Hazard Scale:**

0=Minimal 1=Slight 2=Moderate 3=Serious 4=Severe \*=Chronic  
(safety glasses, gloves and a dust/vapor respirator)

**04. First aid measures**

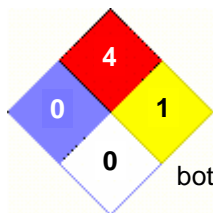
<b>General information</b>	Change soaked clothing.
<b>Inhalation</b>	In the event of symptoms refer for medical treatment.
<b>Skin contact</b>	When in contact with the skin, clean with soap and water. Consult a doctor if skin irritation persists.
<b>Eye contact</b>	In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.
<b>Ingestion</b>	Not applicable.
<b>Advice to doctor</b>	Treat symptomatically.

**05. Fire-fighting measures**

<b>Suitable extinguishing media</b>	Foam. Dry powder. Water spray jet. Carbon dioxide.
<b>Extinguishing media that must not be used</b>	Full water jet.
<b>Special exposure hazards arising from the substance or preparation itself or combustion products</b>	Risk of formation of toxic pyrolysis products.

**Special protective equipment for firefighters** Use self-contained breathing apparatus.

**Additional information** Cool containers at risk with water spray jet. Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.



**NFPA Ratings: Hazard Scale**

top = flammability: 0=Not combustible 1=Combustible 2=Caution 3=Warning 4=Danger

left = health: 0=No unusual hazard 1=Caution 2=Warning 3=Warning 4=Danger

right = reactivity: 0=Stable 1=Caution 2=Warning 3=Danger 4=Danger

bottom=special notice: W = water reactive OX = oxidizing agent

**06. Accidental release measures**

**Personal precautions** Ensure adequate ventilation. Keep away sources of ignition.  
**Environmental precautions** Not applicable.  
**Methods for cleaning up/taking up** Dispose of absorbed material in accordance with the regulations. Take up mechanically.

**07. Handling and storage**

**Advice on safe handling** Use only in well-ventilated areas.  
**Advice on protection against fire and explosion** Keep away from sources of ignition - refrain from smoking.  
**Requirements for storage rooms and vessels** Keep only in original container.  
**Advice on storage compatibility** Do not store together with oxidizing agents.  
**Further information on storage conditions** Keep container in a well-ventilated place. Protect from heat/overheating.

**08. Exposure controls / personal protection**

**Additional advice on system design**  
 Ensure adequate ventilation on workstation.

Ingredients with occupational exposure limits to be monitored: (us)			
Substance	[ppm]*	[mg/m <sup>3</sup> ]*	General remarks
Ethanol	1000	1900	
Pentane	1000	2950	
Propan-2-ol	400	980	

\* LTEL: Long-term exposure limit

**Respiratory protection** Not applicable.  
**Hand protection** None.  
**Eye protection** Safety glasses.  
**Skin protection** None.  
**General protective measures** Do not inhale aerosols. Avoid contact with eyes and skin.  
**Hygiene measures** At work do not eat, drink, smoke or take drugs. Wash hands before breaks and after work. Use barrier skin cream.  
**Delimitation and monitoring of the environmental exposition** Not determined.

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**09. Physical and chemical properties**

<b>Form:</b>	Aerosol.	<b>Vapour pressure [kPa]:</b>	Not applicable.
<b>Colour:</b>	Various.	<b>Density [g/ml]:</b>	ca. 0,86 (20°C)
<b>Odour:</b>	Characteristic.	<b>Bulk density [kg/m³]:</b>	Not applicable.
<b>pH-value:</b>	Not applicable.	<b>Solubility in water:</b>	Miscible.
<b>pH-value, 1%:</b>	Not applicable.	<b>Partition coefficient: n-octanol / water:</b>	Not determined.
<b>Boiling point [°C]:</b>	Not applicable.	<b>Viscosity:</b>	Not applicable.
<b>Flash point [°C]:</b>	Not applicable.	<b>Relative vapour density determined in air:</b>	Not applicable.
<b>Flammability:[°C]</b>	Not applicable.	<b>Evaporation speed:</b>	Not applicable.
<b>Lower explosion limit:</b>	Not determined.	<b>Melting point [°C]:</b>	Not applicable.
<b>Upper explosion limit:</b>	Not determined.	<b>Autoignition temperature [°C]:</b>	Not applicable.
<b>Combustible properties:</b>	No.	<b>Decomposition temperature [°C]:</b>	Not applicable.

**10. Stability and reactivity**

<b>Hazardous reactions</b>	Risk of bursting. Evolution of flammable mixtures possible in air when heated above flash point and/or during spraying or misting.
<b>Hazardous decomposition products</b>	No hazardous decomposition products known.

**11. Toxicological information**

<b>Acute oral toxicity OECD 401</b>	Not determined.
<b>Experiences made in practice</b>	None.
<b>General remarks</b>	No toxicological data are available. The product was classified on the basis of the calculation procedure of the preparation directive.

**12. Ecological information**

<b>AOX-advice</b>	Not applicable.
<b>76/464/EC</b>	Yes.
<b>General information</b>	Ecological data are not available.

**13. Disposal considerations****US EPA Waste Number & Descriptions**

<b>Disposal / Product</b>	For recycling, consult manufacturer. Dispose of as hazardous waste.
<b>Disposal / Contaminated packaging</b>	Uncontaminated packaging may be taken for recycling.

**RCRA Hazard Class (40 CFR 261)**

Waste must be disposed of in accordance with federal, state and local environmental control regulations. Consult your local or regional authorities.

#### 14. Transport information

##### DOT Road Shipment Information (49 CFR 172.101)

<b>Hazard Class:</b>	2
<b>Proper Shipping Name:</b>	UN 1950 Aerosols, 2.1,
<b>UN/NA Number:</b>	UN 1950 Aerosole
<b>Hazard Label(s)-Number:</b>	2.1
<b><u>Classification according to IMDG:</u></b>	2.1
<b>Declaration:</b>	UN 1950, Aerosols, 2.1
<b>Labelling:</b>	Aerosols, UN 1950, Class: 2.1
<b>Label:</b>	2.1
<b>LQ, [l/kg]:</b>	1
<b>EmS:</b>	F-D, S-U
<b><u>Classification according to IATA:</u></b>	2.1
<b>Declaration:</b>	Aerosols, flammable, Class: 2.1 UN 1950
<b>Labelling:</b>	Aerosols, flammable UN 1950
<b>Label:</b>	Flammable Gas

#### 15. Regulatory information

Contents of this Material Safety Data Sheet comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200.

##### Inventory Status

**United States (TSCA):** All chemical substances in this material are included on or exempted from listing on the TSCA Inventory.

**European Union (EINECS/ELINCS):** All chemicals in this product are included on the European Inventory of Existing Commercial Chemical Substances - EINECS or ELINCS

##### Federal Regulations

**SARA Sections 302** This product does not contain any ingredients regulated under this list.

**SARA Sections 313** One or some ingredient(s) are listed under this regulation.

##### European

**classification** This preparation is excluded as cosmetics from the regulation 1999/45/EEC.

##### Hazard symbols



Extremely flammable

R 12: Extremely flammable. R 52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R 67: Vapours may cause drowsiness and dizziness. R 66: Repeated exposure may cause skin dryness or cracking.

S 23.4: Do not breathe spray. S 51: Use only in well-ventilated areas.

##### **Special labelling for certain preparations**

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. Keep away from sources of ignition - No smoking. Keep out of reach of children.

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#### 16. Other informations

R 11: Highly flammable.

R 12: Extremely flammable.

R 36: Irritating to eyes.

R 36/38: Irritating to eyes and skin.

R 51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R 52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R 65: Harmful - may cause lung damage if swallowed.

R 66: Repeated exposure may cause skin dryness or cracking.

R 67: Vapours may cause drowsiness and dizziness.

#### 16.1 Sources of documentation

##### Key / Legend

ACGIH = American Conference of Governmental Industrial Hygienists; CAS = Chemical Abstracts Service; CERCLA = Comprehensive Environmental Response, Compensation, and Liability Act; CFR = Code of Federal Regulations; CPR = Controlled Products Regulations; DOT = Department of Transportation; EINECS = European Inventory of Existing Commercial Chemical Substances; EPA = Environmental Protection Agency; IARC = International Agency for Research on Cancer; IATA = International Air Transport Association; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration; SARA = Superfund Amendments and Reauthorization Act; STEL = Short Term Exposure Limit; TSCA = Toxic Substances Control Act

##### Disclaimer

This Information is based on our present state of knowledge. It should not be constructed as guaranteeing specific properties of the materials described or their suitability for a particular application. Existing regulations must be observed by the recipient of our material under their own responsibility.

#### 16.2 Modified position:

None.

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