

GW StyleSign Sprayer

Article number: 227857 = 300ml, 227858 = 500ml, 227891 = 100ml

KPSS Inc.

Linthicum Heights, MD 21090

Date printed: 13.08.2010, Revision: 13.08.2010

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1 Identification of the substance / preparation and of the company

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Use: Styling product
Identified use: Cosmetics
Method of operation: See product information.
Company: KPSS Inc.

Linthicum Heights, MD 21090 / USA
Phone: 001410-850-7555
Homepage: www.kpss-hair.com

Emergency phone: CHEMTREC: +1 703 527-3887 (24h)
Responsible: Schroeder@chemiebuero.de

2 Hazards identification

Physico-chemical hazards: See chapter 10.
Human health dangers: Frequent persistent contact with the skin can cause skin irritation.
Environmental hazards: No particular hazards known.
Other hazards: none
LABELLING 1272/2008 GHS/CLP: DANGER



H222 Extremely flammable aerosol.
H412 Harmful to aquatic life with long lasting effects.
H336 May cause drowsiness or dizziness.

HMIS Ratings

HEALTH	1	1 - Slight Hazard
FLAMMABILITY	4	4 - Extreme Hazard
REACTIVITY	1	1 - Slight Hazard
PERSONAL PROTECTION	B	B - Safety Glasses and Gloves

Occupational Safety and Health Administration - OSHA: This product is defined as an Cosmetics. Therefore, this product is exempt from requirements of the hazard communication standard, 29 CFR1910.1200.

American Conference of Governmental Industrial Hygienists - ACGIH: Ingredients not listed as carcinogens.

International Agency for Research on Cancer IARC: Ingredients not listed as carcinogens.

National Toxicology Program - NTP: Not Determinated.

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3 Composition / Information on ingredients

Range [%]	Substance
20 - < 40	Dimethyl ether Registration: CAS: 115-10-6, EINECS/ELINCS: 204-065-8, EU-INDEX: 603-019-00-8, ECBnr: GHS/CLP: Flam. Gas 1, Press. Gas (*), H220 EEC: F+, R12
1 - < 15	Propan-2-ol Registration: CAS: 67-63-0, EINECS/ELINCS: 200-661-7, EU-INDEX: 603-117-00-0, ECBnr: GHS/CLP: Eye Irrit. 2, Flam. Liq. 2, H225, H319, H336 EEC: F-F-F-Xi-Xi-Xi, R11-36-67
1 - < 15	Propan-2-ol Registration: CAS: 67-63-0, EINECS/ELINCS: 200-661-7, EU-INDEX: 603-117-00-0, ECBnr: GHS/CLP: Eye Irrit. 2, Flam. Liq. 2, H225, H319, H336 EEC: F-F-F-Xi-Xi-Xi, R11-36-67
20 - < 30	Ethanol Registration: CAS: 64-17-5, EINECS/ELINCS: 200-578-6, EU-INDEX: 603-002-00-5, ECBnr: GHS/CLP: Flam. Liq. 2, H225 EEC: F-F, R11
10 - < 15	Pentane Registration: CAS: 109-66-0, EINECS/ELINCS: 203-692-4, EU-INDEX: 601-006-00-1, ECBnr: GHS/CLP: Aquatic Chronic 2, Asp. Tox 1, Flam. Liq. 1, STOT SE 3, H225, H304, H336, H411 EEC: F+-Xn-N, R12-65-66-67-51/53

Comment on component parts: For the wording of the listed risk phrases refer to section 16.**Substances of Very High Concern - SVHC:** The product contains no substance which is named in the list SVHC (Candidate List of Substances of Very High Concern for authorization).**4 First aid measures**

General information:	Change soaked clothing.
Inhalation:	In the event of symptoms seek for medical treatment. Ensure supply of fresh air.
Skin contact:	When in contact with the skin, clean with soap and water. Consult a doctor if skin irritation persists.
Eye contact:	In case of contact with eyes rinse thoroughly and immediately with plenty of water and seek medical advice.
Ingestion:	Seek medical advice immediately.
Advice to doctor:	Treat symptomatically.

5 Fire-fighting measures

Suitable extinguishing media:	foam, dry powder, water spray jet, carbon dioxide
Extinguishing media that must not be used:	Full water jet.
Special exposure hazards arising from the substance or preparation itself or combustion products:	Unknown risk of formation of toxic pyrolysis products. Bursting aerosols can be forcibly projected from a fire.
Special protective equipment for firefighters:	Use self-contained breathing apparatus.
Additional information:	Fire residues and contaminated firefighting water must be disposed of in accordance within the local regulations. Cool containers at risk with water spray jet.

NFPA Ratings:

4		
1	1	
-		

TOP, FLAMMABILITY: 4 - Extreme Hazard
LEFT, HEALTH: 1 - Slight Hazard RIGHT, REACTIVITY: 1 - Slight Hazard
BOTTOM, SPECIAL NOTICE: -

6 Accidental release measures

Personal precautions:	Keep away from all sources of ignition. Ensure adequate ventilation.
Environmental precautions:	Do not discharge into the drains/surface waters/groundwater.
Methods for cleaning up:	Take up mechanically. Take up residues with absorbent material (e.g. sand). Dispose of absorbed material in accordance within the regulations.

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7 Handling and storage

Advice on safe handling: Use only in well-ventilated areas.

Advice on protection against fire and explosion: Vapours can form an explosive mixture with air.

Requirements for storage rooms and vessels: Keep away from all sources of ignition - Refrain from smoking.
Provide solvent-resistant and impermeable floor.

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.

8 Exposure controls / personal protection

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

Ingredients with occupational exposure limits to be monitored: (US)

Range [%]	Substance / LTEL: Long-term exposure limit
20 - < 30	Ethanol / 1000ppm, 1900mg/m ³ , -
10 - < 15	Pentane / 1000ppm, 2950mg/m ³ , -
1 - < 15	Propan-2-ol / 400ppm, 980mg/m ³ , -
20 - < 40	Dimethyl ether / 1000ppm, -mg/m ³ , OSHA PEL

Respiratory protection: Breathing apparatus in the event of high concentrations.
Short term: filter apparatus, combination filter A-P1.

Hand protection: butyl rubber, > 120 min (EN 374)
The details concerned are recommendations. Please contact the glove supplier for further information.

Eye protection: Safety glasses.

Skin protection: not applicable

General protective measures: Avoid contact with eyes and skin.
Do not breathe vapour/spray.
Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of these equipments to chemicals should be ascertained with the respective supplier.

Hygiene measures: Do not eat, drink, smoke or take drugs at work.
After worktime and before work breaks the affected skin areas must be thoroughly cleaned.
Use barrier skin cream.

Delimitation and monitoring of the environmental exposition: not determined

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9 Physical and chemical properties

Form:	aerosol
Color:	light yellow
Odor:	characteristic
pH-value:	8,5 - 9,5
pH-value [1%]:	not applicable
Boiling point [°C]:	not applicable
Flash point [°C]:	not applicable
Flammability [°C]:	not applicable
Lower explosion limit:	not determined
Upper explosion limit:	not determined
Oxidizing properties:	no
Vapour pressure [kPa]:	not applicable
Density [g/ml]:	~ 0,87(20°C / 68,0°F)
Bulk density [kg/m³]:	not applicable
Solubility in water:	miscible
Partition coefficient [n-octanol/water]:	not determined
Viscosity:	not applicable
Relative vapour density determined in air:	not applicable
Evaporation speed:	not applicable
Melting point [°C]:	not applicable
Autoignition temperature [°C]:	not applicable
Decomposition temperature:	not applicable

10 Stability and reactivity

Hazardous reactions:	Evolution of flammable mixtures possible in air when heated above flash point and/or during spraying or misting. Risk of bursting.
Hazardous decomposition products:	Flammable gases/vapours.

11 Toxicological information

Acute oral toxicity:	not determined
Acute dermal toxicity:	not determined
Acute inhalational toxicity:	not determined
Irritant effect on eye:	not determined
Irritant effect on skin:	not determined
Sensitization:	not determined
Subacute toxicity:	not determined
Chronic toxicity:	not determined
Mutagenicity:	not determined
Reproduction toxicity:	not determined
Carcinogenicity:	not determined
Experiences made in practice:	none
General remarks:	Toxicological data are not available. The product was classified on the basis of the calculation procedure of the preparation directive.

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12 Ecological information

Fish toxicity:	not determined
Daphnia toxicity:	not determined
Behaviour in environment compartments:	not determined
Behaviour in sewage plant:	not determined
Bacteria toxicity:	not determined
Biological degradability:	not determined
COD:	not determined
BOD 5:	not determined
AOX-advice:	not applicable
2006/11/EC:	not applicable
General information:	The product was classified on the basis of the calculation procedure of the preparation directive.

13 Disposal considerations

Product:	Coordinate disposal with the authorities if necessary.
Contaminated packaging:	Uncontaminated packaging may be taken for recycling.
Waste no. (recommended):	160504* gases in pressure containers (including halons) containing dangerous substances
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):	UN/NA 1950 Aerosols 2.1
- Label:	
Classification according to ADR:	UN 1950 AEROSOLS 2.1,
- Classification Code:	5F
- ADR LQ	LQ2 1I
- ADR 1.1.3.6 (8.6):	Transport category (tunnel restriction code): 2 (D)
- Label:	
Classification according to IMDG:	UN 1950 Aerosols 2.1 -
- EMS	F-D, S-U
- IMDG LQ:	LQ: 1 I
- Label:	
Classification according to IATA:	UN 1950 Aerosols, flammable 2.1 (),
- Label:	

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15 Regulatory information

LABELLING 1272/2008 GHS/CLP:

DANGER



H222 Extremely flammable aerosol.

H412 Harmful to aquatic life with long lasting effects.

H336 May cause drowsiness or dizziness.

P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.

P211 Do not spray on an open flame or other ignition source.

P251 Pressurized container: Do not pierce or burn, even after use.

P410_P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F.

P102 Keep out of reach of children.

P101 If medical advice is needed, have product container or label at hand.

EEC-REGULATIONS:

1967/548 (2008/58, 30. ATP/ 31. ATP); 1991/689 (2001/118); 1999/13; 2004/42; 648/2004; 1907/2006 (Reach); 1272/2008; 75/324/EWG (2008/47/EG

TRANSPORT-REGULATIONS:

DOT-Classification, ADR (2009); IMDG-Code (34. Amdt.); IATA-DGR (2010).

NATIONAL REGULATIONS (US)

U.S. Federal Regulations: 29 CFR 1910.1200, ANSI Z400.1, OSHA-PEL, ACGIH-TLV, NTP, IARC, SARA Title III, NFPA, TSCA
State- / international Regulations: Canada - WHMIS, California - Prop. 65, EUROPE - 1907/2006/EC

INVENTORY STATUS:

- TSCA

All chemical substances in this material are included on or exempted from listing on the TSCA Inventory.

- SARA, 302

This product does not contain any ingredients regulated under this list.

- SARA, 311

This product does not contain any ingredients regulated under this list.

- SARA, 313

This product contain one ingredient regulated under this list.

16 Other informations

R-phrases (Chapter 03):

R 12: Extremely flammable.

R 67: Vapours may cause drowsiness and dizziness.

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

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

R 36: Irritating to eyes.

R 11: Highly flammable.

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

Hazard statements (Chapter 03):

H220 Extremely flammable gas.

H225 Highly flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

Observe employment restrictions for people:

yes

VOC (1999/13/CE):

not determined

Key / Legende:

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; EINCES = 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 knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

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