

DS Ultra Volume Dry Shampoo

Article number 205571 = 250ml

KAO USA Inc.

Linthicum Heights, MD 21090

Date printed 02.04.2013, Revision 11.02.2013

Version 01

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SECTION 1: Identification of the substance / preparation and of the company

Product identifier **DS Ultra Volume Dry Shampoo**
Article number 205571 = 250ml

Relevant identified uses of the substance or mixture and uses advised against hair treatment

Identified use Cosmetics

Company KAO USA Inc.

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 Phone 001410-850-7555

Address enquiries to

Emergency phone Company CHEMTREC: +1 703 527-3887 (24h)

Safety Data Sheet sdb@chemiebuero.de

SECTION 2: Hazards identification

Emergency Overview

Appearance, Odor: aerosol, colourless, characteristic

DANGER
 EXTREMELY FLAMMABLE AEROSOL
 PROLONGED OR REPEATED CONTACT MAY DRY SKIN AND CAUSE IRRITATION.
 TOXIC TO AQUATIC ORGANISMS; MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT

OSHA Regulatory Status

This product is defined as Cosmetics. Therefore, this product is exempt from requirements of the hazard communication standard, 29 CFR1910.1200.

Potential health effects

Vapours may cause drowsiness and dizziness.

Potential environmental effects

SECTION 3: Composition / Information on ingredients

The product is a mixture.

Range [%]	Substance
45 - 55	Pentane CAS: 109-66-0
40 - 50	Dimethyl ether CAS: 115-10-6
1 - 5	Ethanol CAS: 64-17-5

Comment on component parts

Substances of Very High Concern - SVHC: substances are not contained or are below 0,1%.
 For full text of H-statements and R-phrases: see SECTION 16.

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SECTION 4: First aid measures

Description of first aid measures	Change soaked clothing.
Inhalation	Ensure supply of fresh air. In the event of symptoms seek for medical treatment.
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 with water.
Ingestion	Do not induce vomiting. Rinse out mouth and give plenty of water to drink.
Indication of any immediate medical attention and special treatment needed	Forward this sheet to the doctor. Treat symptomatically.

SECTION 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	Do not inhale explosion and/or combustion gases. Use self-contained breathing apparatus.
Additional information	Only cool any containers at risk with jets of water spray if the containers are intact and impermeable. Fire residues must be disposed of in accordance within the local regulations.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures	Ensure adequate ventilation. Keep away from all sources of ignition.
Environmental precautions	Do not discharge into the subsoil/soil.
Methods and material for containment and cleaning up	Take up residues with suitable absorbent materials. Take up mechanically. Dispose of absorbed material in accordance within the regulations.

SECTION 7: Handling and storage

Precautions for safe handling	Use only in well-ventilated areas.
Advice on protection against fire and explosion	Vapours can form an explosive mixture with air. Keep away from sources of ignition - refrain from smoking.
Requirements for storage rooms and vessels	Prevent penetration into the ground.
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. Keep in a cool place, heat causes increase in pressure and risk of bursting.

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SECTION 8: Exposure controls / personal protection

Additional advice on system design	Ensure adequate ventilation on workstation.
Ingredients with occupational exposure limits to be monitored (US)	not applicable
Respiratory protection	Breathing apparatus in the event of high concentrations.
Hand protection	The details concerned are recommendations. Please contact the glove supplier for further information. In full contact Butyl rubber, >480 min (EN 374).
Eye protection	Safety glasses.
Skin protection	None required under normal conditions of use. However, may cause skin irritation in some sensitive individuals.
General protective measures	Avoid contact with eyes. 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. Wash hands before breaks and after work. Use barrier skin cream.
Delimitation and monitoring of the environmental exposition	No information available.

SECTION 9: Physical and chemical properties

Form	aerosol
Color	colourless
Odor	characteristic
pH-value	not applicable
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/gas pressure [kPa]	not applicable
Density [g/ml]	ca. 0,79
Bulk density [kg/m³]	not applicable
Solubility in water	partially 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

SECTION 10: Stability and reactivity

Reactivity	See SECTION 10.3.
Chemical stability	Stable under normal ambient conditions (ambient temperature).
Possibility of hazardous reactions	Evolution of flammable mixtures possible in air when heated above flash point and/or during spraying or misting. Risk of bursting.
Conditions to avoid	Strong heating.
Incompatible materials	See SECTION 7
Hazardous decomposition products	No hazardous decomposition products known.

SECTION 11: Toxicological information**Information on toxicological effects****Acute toxicity**

Range [%]	Substance
40 - 50	Dimethyl ether, CAS: 115-10-6
	LC50, inhalative, Rat: 100000 ppm/4h.
45 - 55	Pentane, CAS: 109-66-0
	LC50, inhalative, Rat: >5 mg/l (4h).
	LD50, oral, Rat: > 2000 mg/kg.
1 - 5	Ethanol, CAS: 64-17-5
	LC50, inhalative, Rat: 117-125 mg/l/4h (OECD 403).
	LD50, dermal, Rabbit: > 2000 mg/kg (OECD 402).
	NOAEL, Rat: > 3000 mg/kg/d (24 month OECD 451).
	LD50, oral, Rat: 10470 mg/kg (OECD 401).

Acute oral toxicity not determined

Acute dermal toxicity not determined

Acute inhalational toxicity not determined

Serious eye damage/irritation not determined

Skin corrosion/irritation Non-irritant.

Respiratory or skin sensitisation not determined

Specific target organ toxicity — single exposure not determined

Specific target organ toxicity — repeated exposure not determined

Mutagenicity not determined

Reproduction toxicity not determined

Carcinogenicity not determined

General remarks The toxicological data are those of the pure product.

The toxicity data listed pertaining to the ingredients are intended for those working in the medicinal professions, experts for occupational health and safety and toxicologists. The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.

This is a cosmetic product that is safe under intended and reasonable foreseeable use. Taking into account the use instructions, the toxicological profile of the ingredients and the evaluation of the final formulation this product is considered as safe and thus not harming human health.

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SECTION 12: Ecological information**Toxicity**

Range [%]	Substance
45 - 55	Pentane, CAS: 109-66-0
	NOEC, (72h), Pseudokirchneriella subcapitata: 7.51 mg/l.
	EC50, (48h), Daphnia magna: 2.7 mg/l.
	EC50, (72h), Pseudokirchneriella subcapitata: 10.7 mg/l.
	LC50, (96h), Oncorhynchus mykiss: 4.26 mg/l.
1 - 5	Ethanol, CAS: 64-17-5
	LC50, (48h), Daphnia magna: 12340 mg/l.
	LC50, (96h), Oncorhynchus mykiss: 13000 mg/l (OECD 203).
	EC50, (48h), Selenastrum capricornutum: 12900 mg/l (OECD 201).
	EC50, (72h), Algae: 275 mg/l (OECD 201).

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	none
2006/11/EC:	none
Other adverse effects	Ecological data of complete product are not available.

SECTION 13: Disposal considerations

Product	Coordinate disposal with the authorities if necessary.
Contaminated packaging	Uncontaminated packaging may be taken for recycling.
RCRA Hazard Class (40CFR 261)	Waste must be disposed of in accordance with federal, state and local environmental control regulations. Consult your local or regional authorities.

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SECTION 14: Transport information

Transport by land according to ADR/RID

UN 1950 AEROSOLS 2.1

- Classification Code

5F

- Label



- ADR LQ

1 I

- ADR 1.1.3.6 (8.6)

Transport category (tunnel restriction code) 2 (D)

Inland navigation (ADN)

UN 1950 AEROSOLS 2.1

- Classification Code

5F

- Label



Marine transport in accordance with IMDG

UN 1950 Aerosols (Pentane) 2.1 - MARINE POLLUTANT

- EMS

F-D, S-U

- Label



- IMDG LQ

1 I

Air transport in accordance with IATA

UN 1950 Aerosols, flammable 2.1

- Label



DOT Road Shipment Information (49 CFR)

UN/NA 1950 Aerosols 2

- Label



SECTION 15: Regulatory information

US Regulations

National regulations

29 CFR 1910.1200, ANSI Z400.1-2010, OSHA-PEL, ACGIH-TLV, NTP, IARC, SARA Title III, NFPA, TSCA, California - Prop. 65

- 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.

- CA Proposition 65

All chemical substances in this material are not named in California-P65 list.

- TSCA

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

- FDA

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

This product is not named NTP - National Toxicology Program.

HAP-VOC

Transport-regulations

DOT-Classification, ADR (2013); IMDG-Code (2013, 36. Amdt.); IATA-DGR (2013).

Other Right to Know Laws

EC Regulations

1967/548 (1999/45); 1991/689 (2001/118); 1999/13; 2004/42; 648/2004; 1907/2006 (Reach); 1272/2008; 75/324/EEC (2008/47/EC); 453/2010/EC

Hazard pictograms



Signal word

DANGER

Hazard statements

H222 Extremely flammable aerosol.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

EUH066 Repeated exposure may cause skin dryness or cracking.

Labelling

The product is classified and required to be labelled in accordance with EC-Directives This preparation is excluded as cosmetics from the regulation 1999/45/EEC.

Hazard symbols



Extremely flammable

Dangerous for the environment

R-phrases

R 12: Extremely flammable.

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

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

R 67: Vapours may cause drowsiness and dizziness.

S-phrases

S 23.4: Do not breathe spray.

S 51: Use only in well-ventilated areas.

Special labelling

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 the reach of children.

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SECTION 16: Other information

HMIS Ratings

HEALTH	1	1 - Slight Hazard
FLAMMABILITY	4	4 - Extreme Hazard
REACTIVITY	1	1 - Slight Hazard
PERSONAL PROTECTION	X	X - Personal protection rating to be supplied by user depending on use conditions

NFPA Ratings

4	TOP, FLAMMABILITY: 4 - Extreme Hazard
1 1	LEFT, HEALTH: 1 - Slight Hazard RIGHT, REACTIVITY: 1 - Slight Hazard
-	BOTTOM, SPECIAL NOTICE: -
Modified position	none

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

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