


SAFETY DATA SHEET

The provisions of Title IV of Regulation (EC) No 1907/2006 as amended shall not apply to Cosmetic Products

Date of issue: 10.7. 2019	Replaces issue from: -
Date of revision: -	
Product name: APOTEKETS DRY SHAMPOO	Page: 1/6

1.	SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/ UNDERTAKING		
1.1	Product identifier: Name:	APOTEKETS DRY SHAMPOO (variants with or without fragrance)	
	Registration number:	Not applied for the mixture	
1.2	Relevant identified uses of the mixture:	Cosmetic product (dry shampoo spray)	
	Uses advised against:	not known	
1.3	Details of the supplier of the safety data sheet:	Apotekernes A.m.b.a.	
	The full address:	Mileparken 20F, 2740 Skovlunde, Denmark	
	Telephone:	+45 29 70 63 33	
	E-mail address for a competent person responsible for the safety data sheet:	msds@czechaerosol.cz	
1.4	Emergency telephone number: (information only for health risks – acute intoxication of humans and animals)	+45 82 12 12 12	

2.	SECTION 2: HAZARDS IDENTIFICATIONS		
2.1	Classification of the mixture according to Regulation (EC) No 1272/2008 of the European Parliament and of the Council as amended: Cosmetic product is not under scope of the Regulation.		
	The most important adverse effects: - physical: The mixture is classified as Aerosol cat.1 - on the human health: The mixture is not classified as dangerous - on the environment: The mixture is not classified as dangerous		
2.2	Label elements according to Regulation (EC) No 1272/2008 of the European Parliament and of the Council as amended:		
			
	Hazard pictogram(s):	Danger	
	Signal word(s):		
	Hazard statement(s): H 222 Extremely flammable aerosol. H 229 Pressurised container: May burst if heated.		
	Precautionary statement(s): P 102 Keep out of reach of children. P 210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P 211 Do not spray on an open flame or other ignition source. P 251 Do not pierce or burn, even after use. P 410+P 412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.		
	Other usable label elements: none		
2.3	Other hazards: not known		

3.	SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS							
3.2	The mixture contains these hazardous ingredients:			Classification according to Regulation (EC) No 1272/2008 of the European Parliament and of the Council				
	Chemical name	Range of content % w/w	Reg. No	CAS EC	Hazard classes, Category codes	H-phrases *	Specific concentration limit	M-factor
	Ethanol	<15	01-2119457610-43	64-17-5 200-578-6	Flam. Liq. 2 Eye Irrit. 2	225 319	c ≥ 50%	-
	Isobutane	<70	01-2119485395-27	75-28-5 200-857-2	Flam. Gas 1 Press. Gas (Liq.)	220 280	-	-
	Propane	<10	01-2119486944-21	74-98-6 200-827-9	Flam. Gas 1 Press. Gas (Liq.)	220 280	-	-
	Butane	<5	01-2119474691-32	106-97-8 203-448-7	Flam. Gas 1 Press. Gas (Liq.)	220 280	-	-

Notes: * For the full wording of H-phrases, Hazard classes and Category codes see section 16.
The values of exposition limits are listed in the part 8, if are established

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4.	SECTION 4: FIRST AID MEASURES
4.1	<p>Description of first aid measures: Inhalation: Remove to fresh air. Skin contact: No special measures. Eyes contact: Flush with plenty of pure water. In case of persistent inflammation, take the advice of ophthalmologist. Ingestion: Do not induce vomiting! Obtain medical attention.</p>
4.2	<p>Most important symptoms and effects, both acute and delayed: Eyes contact: tingle to pain in eyes for several minutes, usually without persisting complications.</p>
4.3	<p>Indication of any immediate medical attention and special treatment needed: Immediate medical attention is required only in case of ingestion of a big amount of the mixture.</p>

5.	SECTION 5: FIREFIGHTING MEASURES
5.1	<p>Extinguishing media: foam, dry chemical, carbon dioxide, water mist Unsuitable extinguishing media: water jet</p>
5.2	<p>Special hazards arising from the substance or mixture: In fire can emit toxic fumes. The heat from fire increases inner pressure in containers and can cause their bursting or explosion. The exploding containers could fly up to the distance several ten meters.</p>
5.3	<p>Advice for firefighters: Wear a self-contained respirator and protective clothing. Keep containers cool with water spray until well after the fire is out. Avoid rejection of extinguishing water in the environment.</p>

6.	SECTION 6: ACCIDENTAL RELEASE MEASURES
6.1	<p>Personal precautions, protective equipment and emergency procedures:</p>
6.1.1	<p>For non-emergency personnel: No smoking. Eliminate sources of ignition. Provide good ventilation. a) use suitable protective aids (see section 8).</p>
6.1.2	<p>For emergency responders: No smoking. Eliminate sources of ignition. Provide good ventilation. a) use suitable protective aids (see section 8).</p>
6.2	<p>Environmental precautions: Prevent from spreading or entering into drains, ditches or rivers.</p>
6.3	<p>Methods and material for containment and cleaning up: Impound and absorb on inert powdered material (sand, cement, lime). Place in suitable container for recovery or destroying according to regional legislation.</p>
6.4	<p>Reference to other sections: Disposing of wastes see section 13.</p>

7.	SECTION 7: HANDLING AND STORAGE
7.1	<p>Precautions for safe handling: Do not breathe spray. Protect your eyes from being struck. Pressurized container: May burst if heated. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Do not pierce or burn, even after use. Do not spray on an open flame or other ignition source. When using do not eat, drink and smoke. Use only as directed. Dispose of unexpended product as a hazardous waste.</p>
7.2	<p>Conditions for safe storage, including any incompatibilities: Keep at temperatures 0°C to 30°C in dry rooms. Keep out of reach of children. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p>
7.3	<p>Specific end use(s): not required</p>

8.	SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION				
8.1	<p>Control parameters: National (Czech) occupational exposure limit values:</p>				
	Name of substance	CAS	PEL/NPK-P (mg/m ³)	Notes	Recalculation factor to ppm
	Ethanol	64-17-5	1000/3000	-	0.532
	-	-	-	-	-
	Note: no				
	<p>Exposure limit values according to Commission Directives 2000/39/EC, 2006/15/EC and 2009/161/EU: not established</p>				
	Name of substance	CAS	TWA / 8 hours	STEL / short time	Notes
			mg/m ³	ppm	
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	-	-	-	-	-

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Biological limit values: not prescribed for the mixture

DNEL and PNEC values of substances in the mixture (MSDS of supplier, Information from the ECHA):

Ethanol

DNEL:

Workers: Long term exposure - systemic effects, Inhalation route: 950 mg/m³

Workers: Acute/short term exposure - local effects, Inhalation route: 1900 mg/m³

Workers: Long term exposure - systemic effects, Dermal route: 343 mg/kg bw/day

General Population: Long term exposure - systemic effects, Inhalation route: 114 mg/m³

General Population: Acute/short term exposure - local effects, Inhalation route: 950 mg/m³

General Population: Long term exposure - systemic effects, Dermal route: 206 mg/kg bw/day

General Population: Long term exposure - systemic effects, Oral route: 87 mg/kg bw/day

PNEC:

Hazard for aquatic organisms: Aqua (freshwater): 0.96 mg/l, Aqua (marine water): 0.79 mg/l, Aqua (intermittent releases): 2.75 mg/l, STP: 580 mg/l, Sediment (freshwater): 3.6 mg/kg sediment dw, Sediment (marine water): 2.9 mg/kg sediment dw

Hazard for terrestrial organisms: Soil: 0.63 mg/kg soil dw

Hazard for predators: Secondary poisoning, Oral route: 0.72 g/kg food

8.2 **Exposure controls:**

8.2.1 **Appropriate engineering controls:** are not necessary for nonprofessional application.

8.2.2 **Individual protection measures, such as personal protective equipment:**

Eyes/face, skin/hand and respiratory protection: During nonprofessional application none when used as directed.

Thermal hazards: None when used as directed.

8.2.3 **Environmental exposure controls:** Prevent release to the environment.

9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 **Information on basic physical and chemical properties:**

Appearance:	Physical state (at 20°C): system liquid-vapour in pressurized metal container
Odour:	Colour: colourless to slightly yellowish specific by alcohol, variant with fragrance: by used perfume
Odour threshold:	Not relevant for this mixture
Not available	Not available
Melting point/freezing point:	Not available
Initial boiling point and boiling range:	Not available
Flash point (isobutane-propane-butane):	ca -80°C
Evaporation rate:	Not available
Flammability:	Extremely flammable
Explosive limits (isobutane-propane-butane):	upper (%v/v): 11.2; lower (%v/v): 1.4
Vapour pressure at 20°C:	ca 0.4 MPa
Vapour density (isobutane-propane-butane) (air=1):	1.79-1.94
Relative density 20°C:	600-660
Solubility(ies):	In water: soluble, in fats (oil): partially soluble
Partition coefficient: n-octanol/water:	Log P (o/w) = -0.3 (Ethanol at 25°C and pH 7)
Auto-ignition temperature (isobutane-propane-butane):	ca 365°C
Decomposition temperature:	Not available
Viscosity:	Not available
Explosive properties:	Explosibility group (isobutane-propane-butane): II A
Oxidising properties:	Not relevant for this mixture
9.2 Other information:	(isobutane-propane-butane) Temperature Class: T 2, explosion group: II A, calorific value: 46 MJ/kg

10. SECTION 10: STABILITY AND REACTIVITY

10.1 **Reactivity:** no known

10.2 **Chemical stability:** the mixture is stable under normal ambient and anticipated storage

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10.3	Possibility of hazardous reactions: not known
10.4	Conditions to avoid: even short-time temperatures above 50°C
10.5	Incompatible materials: strong corrosive and oxidizing materials, alkali metals
10.6	Hazardous decomposition products: during thermal decomposition can be produced carbon oxides and nitrogen oxides

11.	SECTION 11: TOXICOLOGICAL INFORMATION																												
11.1	Information on toxicological effects: not determined for the mixture																												
	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Toxicological effects of the main substances:</td> <td>Ethanol (Information from the ECHA)</td> </tr> <tr> <td>a) acute toxicity:</td> <td></td> </tr> <tr> <td>- LD₅₀ oral, rat (mg/kg):</td> <td>7060</td> </tr> <tr> <td>- LD₅₀ dermal, rabbit (mg/kg):</td> <td>17100</td> </tr> <tr> <td>- LC₅₀ inhalation, rat (mg/L):</td> <td>53 (6h)</td> </tr> <tr> <td>b) skin corrosion/irritation:</td> <td>Is not corrosive/Slightly irritating to skin</td> </tr> <tr> <td>c) serious eye damage/irritation:</td> <td>Does not causes serious eye damage/Irritating to eyes</td> </tr> <tr> <td>d) respiratory or skin sensitisation:</td> <td>Is not sensitizing for respiratory or skin</td> </tr> <tr> <td>e) germ cell mutagenicity:</td> <td>{based on available data, the classification criteria are not met</td> </tr> <tr> <td>f) carcinogenicity:</td> <td>{based on available data, the classification criteria are not met</td> </tr> <tr> <td>g) reproductive toxicity:</td> <td>{based on available data, the classification criteria are not met</td> </tr> <tr> <td>h) STOT-single exposure:</td> <td>{based on available data, the classification criteria are not met</td> </tr> <tr> <td>i) STOT-repeated exposure:</td> <td>{based on available data, the classification criteria are not met</td> </tr> <tr> <td>j) aspiration hazard:</td> <td>{based on available data, the classification criteria are not met</td> </tr> </table>	Toxicological effects of the main substances:	Ethanol (Information from the ECHA)	a) acute toxicity:		- LD ₅₀ oral, rat (mg/kg):	7060	- LD ₅₀ dermal, rabbit (mg/kg):	17100	- LC ₅₀ inhalation, rat (mg/L):	53 (6h)	b) skin corrosion/irritation:	Is not corrosive/Slightly irritating to skin	c) serious eye damage/irritation:	Does not causes serious eye damage/Irritating to eyes	d) respiratory or skin sensitisation:	Is not sensitizing for respiratory or skin	e) germ cell mutagenicity:	{based on available data, the classification criteria are not met	f) carcinogenicity:	{based on available data, the classification criteria are not met	g) reproductive toxicity:	{based on available data, the classification criteria are not met	h) STOT-single exposure:	{based on available data, the classification criteria are not met	i) STOT-repeated exposure:	{based on available data, the classification criteria are not met	j) aspiration hazard:	{based on available data, the classification criteria are not met
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11.1.5	Information on likely routes of exposure: skin, eyes, ingestion, inhalation																												
11.1.6	Symptoms related to the physical, chemical and toxicological characteristics: - skin: not irritating to skin - eyes: slightly irritating to eyes - ingestion (big amount): nausea, vomiting - inhalation (big amount): moderate narcotic effect of propellant, cough, respiratory irritation																												
11.1.7	Delayed and immediate effects as well as chronic effects from short and long-term exposure: Not observed																												
11.1.8	Interactive effects: Not observed																												
11.1.9	Absence of specific data: Not available																												
11.1.10	Mixtures: The mixture has not been tested for its health effects as a whole.																												
11.1.11	Mixture versus substance information: At the mixture are not expected worse effects on health than at single substances																												
1.11.12	Other information: None																												

12.	SECTION 12: ECOLOGICAL INFORMATION
12.1	Toxicity: acute toxicity for aquatic organisms: not determined for the mixture, for the main substance Information from the ECHA and MSDS of supplier: - LC ₅₀ 96h,fish (mg/L): 13000 (Ethanol) - EC ₅₀ 48h,daphnia (mg/L): > 10000 (Ethanol) - EC ₅₀ 72h,algae (mg/L): 275 (Ethanol) - NOEC,24d,fish (mg/L): > 1 (Ethanol) - NOEC,21d,daphnia (mg/L): > 10 (Ethanol) Effects on activated sludge bacteria: not observed
12.2	Persistence and degradability: Persistence: Not available The potential of substances in a mixture to degrade in sewage treatment plants: Not determined. Degradability: Not available
12.3	Bioaccumulative potential: Not supposed significant bioaccumulative potential regarding to low Log P value
12.4	Mobility in soil: No data available
12.5	Results of PBT and vPvB assessment: based on actual information, ingredients of the mixture are not PBT/vPvB
12.6	Other adverse effects: Not observed

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13.	SECTION 13: DISPOSAL CONSIDERATIONS
13.1	<p>Waste treatment methods: Specification of packaging: metal Suitable methods for disposal of the mixture and packaging: dispose in a hazardous wastes collection point or hand over to the authorized person. Dispose in accordance with applicable laws and regulations for waste disposal. A packaging contaminated by a dangerous content is considered to be a dangerous waste (catalogue Nr. 150110*). Physical/chemical properties that may affect waste treatment options: the mixture is extremely flammable Sewage disposal: not allowed Special precautions for recommended waste treatment options (only for disposal of a big amount of the mixture): Regarding to the flammability of the mixture is necessary to dispose it in a well-ventilated area away from sources of ignition. No smoking. Directive 2008/98/EC of the European Parliament and of the Council with all amendments.</p>

14.	SECTION 14: TRANSPORT INFORMATION		
	Special precautions: none Transport classification :		
14.1	ADR/RID: UN number: 1950	ICAO/IATA: UN number: 1950	IMDG: UN number: 1950
14.2	UN proper shipping name: AEROSOLS, flammable	UN proper shipping name: AEROSOLS, flammable	UN proper shipping name: AEROSOLS, flammable
14.3	Transport hazard class(es): 2 Classification code: 5F	Transport hazard class(es): 2.1 Labels: Flamm.Gas	Transport hazard class(es): 2 Subsidiary risk: no
14.4	Packing group: not prescribed Limited quantity: 1 L Tunnel restriction code: D	Packing group: not prescribed	Packing group: not prescribed Limited quantity: 1 L
14.5	Environmental hazards: they are not		Marine pollutant: no EMS: F-D, S-U
14.6	Special precautions for user: none		
14.7	Transport in bulk according to Annex II of Marpol and the IBC Code: The product is not intended to be carried in bulk according to the following IMO instruments: Annex II of Marpol and the IBC Code.		

15.	SECTION 15: REGULATORY INFORMATION
15.1	<p>Safety, health and environmental regulations/legislation specific for the substance or mixture: Regulation (EC) No 1223/2009 of the European Parliament and of the Council with all amendments. Regulation (EC) No 1272/2008 of the European Parliament and of the Council with all amendments. Council Directive 75/324/EEC with all amendments.</p>
15.2	Chemical safety assessment: A chemical safety assessment is not required for cosmetics.

16.	SECTION 16: OTHER INFORMATION
16.1	<p>List of relevant H-phrases, Hazard classes and Category codes listed in the section 3: H220 Extremely flammable gas. H225 Highly flammable liquid and vapour. H280 Contains gas under pressure; may explode if heated. Flam. Gas 1 - Flammable gas, Hazard Category 1 Aerosol 1 - Aerosol, Hazard Category 1 Flam. Liq. 2 - Flammable liquid, Hazard Category 2 Press. Gas - Gas under pressure: Liquefied gas</p>
16.2	<p>Instructions for training: Persons who handle the product shall be instructed about the handling hazards and requirements for the health and environment precaution (see the appropriate provisions of the Labour Code). Access to information: Each employer shall in accordance with Article 35 of the Regulation (EC) No 1907/2006 of the European Parliament and of the Council provide access to information from the safety data sheet to all personnel who use this product or are exposed to its effects at work, as well as to their representatives.</p>

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The information provided in this safety data sheet is supplied in good faith and is accurate at the date of its publication. The information will be updated as and when appropriate. It is not a specification of product nor does it list its uses, for which the label on the packaging should be carefully studied. In compiling the safety data sheet due account has been taken of all proper and recommended applications of the product of which we are aware and any user must consult us before applying it to any novel or unusual use. The company accepts no responsibility unless the product is used as recommended.

Sources for compilation of SDS: SDS of ingredients of the mixture, ECHA databases, information on substances in IUCLID Datasets.

16.3 List of used abbreviations:

ADR : European Agreement concerning the International Carriage of Dangerous Goods by Road

ECHA: European Chemicals Agency

EMS: Environmental Management System

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization: Technical Instructions for the Safe Transport of Dangerous Goods by Air

IMDG: International Maritime Dangerous Goods

IUCLID: International Uniform Chemical Information Database

DNEL: Derived No-Effect Level

EC₅₀: Effective Concentration for inhibiting 50% of the tested organisms

EL₅₀: Effective Loading for inhibiting 50% of the tested organisms

IC₅₀: Inhibitory Concentration for 50% of tested organisms

LC₅₀: Lethal Concentration for 50% of tested organisms

LD₅₀: Lethal Dose for 50% of tested organisms

LL₅₀: Lethal Loading for 50% of tested organisms

LQ: Limited Quantity

NOEC: No Observed Effect Concentration

NOEL: No Observed Effect Level

NOELR: No Observed Effect Loading Rate

NPK-P: Maximal Permissible Concentration in Working Climate

PEL: Permissible Exposure Limit

PNEC: Predicted No Effect Concentration

RID: Regulations concerning the International Carriage of Dangerous Goods by Rail

SDS: Safety Data Sheet

STEL: Short Term Exposure Limit

TWA: Time-Weighted Average

16.4 Changes to the previous version of the SDS: none

Changes in the revision of the safety data sheet are distinguished by italics.