

SAFETY DATA SHEET

In compliance with Regulation (EC) No 1907/2006

White Musk 20230

1. IDENTIFICATION OF THE PREPARATION AND THE COMPANY	
1.1 Product identifier Product identifier / No: UFI:	White Musk 20230 KSN3-T0AH-100H-98AU
1.2 Relevant identified uses of the mixture and uses advised against:	Perfuming agent for finished consumer products. Not for personal use in this form or concentration.
1.3 Details of the supplier of the safety data sheet:	Perfumedom Theodoros Ant. Vasiliadis Ag. Panteleimonos 1, Thessaloniki 56123 Greece Email: sales@perfumedom.com
1.4 Emergency telephone number:	+30 231 111 0366
2. HAZARD IDENTIFICATION	
2.1 Classification of the substance or mixture	
2.1.1 Classification according to Regulation (EC) No 1272/2008:	 GHS07 Exclamation mark Eye Irrit. 2 H319 Causes serious eye irritation. Skin Sens. 1 H317 May cause an allergic skin reaction.  GHS09 Environment Aquatic Acute 1 H400 Very toxic to aquatic life. Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.
2.2 Label elements	
2.2.1 Hazard pictogram(s):	
2.2.2 Signal word	Warning
2.2.3 Hazard Statement(s):	Causes serious eye irritation. May cause an allergic skin reaction. Very toxic to aquatic life. Toxic to aquatic life with long lasting effects.
2.2.4 Precautionary statements	
General:	P101 If medical advice is needed, have product container or label at hand. P103 Read label before use.

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2.2 Label elements

Prevention:

P261 Avoid breathing dust / fume / gas / mist / vapours / spray.
P264 Wash hands thoroughly after handling.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves / protective clothing / eye protection / face protection.

Response in cases of accidental spillage or exposure:

P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321 Specific treatment
P333+P313 If skin irritation or rash occurs: Get medical advice / attention.
P337+P313 If eye irritation persists: Get medical advice / attention.
P363 Wash contaminated clothing before reuse.
P391 Collect spillage.

Storage:**Disposal:**

P501 Dispose of contents / container in accordance with government regulations.

Hazardous component (s) for labeling:CAS No:Chemical name:

1222-05-5

1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran

120-51-4

Benzyl benzoate

60-12-8

2-Phenylethan-1-ol

63500-71-0

4-Methyl-2-(2-methylpropyl)oxan-4-ol

EUH208: Contains an ingredient that may produce an allergic reaction:CAS No:Chemical name:

31906-04-4

3 and 4-(4-Hydroxy-4-methylpentyl)-3-cyclohexen-1-carbaldehyd

32210-23-4

4-tert-Butylcyclohexyl acetate

91-64-5

2H-1-Benzopyran-2-one

1335-46-2

3-Methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one (main component)

115-95-7

3,7-Dimethylocta-1,6-dien-3-yl acetate

127-51-5

4-(2,6,6-Trimethyl-2-cyclohexen-1-yl)-3-methyl-3-buten-2-one

101-86-0

alpha-Hexyl cinnamaldehyde

78-70-6

3,7-Dimethyl-1,6-octadien-3-ol

5989-27-5

(R)-p-Mentha-1,8-diene

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2.2 Label elements

2.3 Other hazards

This mixture does not contain any PBT (persistent, bioaccumulative and toxic) or vPvB (very persistent and very bioaccumulative) substances according to Directive (EC) No 1907/2006.

This mixture does not contain endocrine disrupting substances according to Regulation (EU) 2017/2100.

Handling may cause static charge which may ignite the mixture.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterisation: Mixture of substances listed below with non-hazardous additions.

CAS-/EINECS-No: Not applicable

Quantity	CAS No EINECS No REACH No	Name	Comment	Classification (GHS)
25-50%	103-23-1 203-090-1 01-2119439699-19	Di-(2-Ethylhexyl) adipate		- Nicht eingestuft -
10-25%	110-27-0 203-751-4 01-2119541806-35	Isopropyl myristate		- Nicht eingestuft -
10-25%	1222-05-5 214-946-9 01-2119488227-29	1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	M-factor: 1	 Aquatic Acute 1, Aquatic Chronic 1 H400, H410
10-25%	120-51-4 204-402-9 01-2119976371-33	Benzyl benzoate		 ,  Acute Tox. 4, Aquatic Acute 1, Aquatic Chronic 2 H302, H400, H411
5-10%	63500-71-0 405-040-6 01-0000015458-64	4-Methyl-2-(2-methylpropyl)oxan-4-ol		 Eye Irrit. 2 H319
1-5%	60-12-8 200-456-2 01-2119963921-31	2-Phenylethan-1-ol		 Acute Tox. 4, Eye Irrit. 2 H302, H319
1-5%	31906-04-4 250-863-4 01-2119971808-21	3 and 4-(4-Hydroxy-4-methylpentyl)-3-cyclohexen-1-carbaldehyd		 Skin Sens. 1A H317
<1%	1335-46-2 215-635-0 01-2119471851-35	3-Methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one (main component)		 ,  Skin Irrit. 2, Skin Sens. 1B, Aquatic Chronic 2 H315, H317, H411
<1%	32210-23-4 250-954-9 01-2119976286-24	4-tert-Butylcyclohexyl acetate		 Skin Sens. 1B H317
<1%	91-64-5 202-086-7 01-2119949300-45	2H-1-Benzopyran-2-one		 Acute Tox. 4, Skin Sens. 1B H302, H317
<1%	115-95-7 204-116-4 01-2119454789-19	3,7-Dimethylocta-1,6-dien-3-yl acetate		 Skin Irrit. 2, Skin Sens. 1B H315, H317
<1%	127-51-5 204-846-3 01-2120138569-45	4-(2,6,6-Trimethyl-2-cyclohexen-1-yl)-3-methyl-3-buten-2-one		 ,  Skin Sens. 1B, Aquatic Chronic 2 H317, H411

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<1%	78-70-6 201-134-4 01-2119474016-42	3,7-Dimethyl-1,6-octadien-3-ol		Skin Irrit. 2, Skin Sens. 1B, Eye Irrit. 2 H315, H317, H319
<1%	101-86-0 202-983-3 01-2119533092-50	alpha-Hexyl cinnamaldehyde		Skin Sens. 1B, Aquatic Acute 1, Aquatic Chronic 2 H317, H400, H411
<1%	122-97-4 204-587-6 01-2120105028-70	3-Phenyl-1-propanol		Skin Corr. 1B, Eye Dam. 1 H314, H318
<1%	5989-27-5 227-813-5 01-2119493353-35	(R)-p-Mentha-1,8-diene		Flam. Liq. 3, Asp. Tox. 1, Skin Irrit. 2, Skin Sens. 1B, Aquatic Acute 1, Aquatic Chronic 3 H226, H304, H315, H317, H400, H412
<1%	117933-89-8 413-720-9 01-0000016085-74	2-(2,4-Dimethyl-3-cyclohexene-1-yl)-5-methyl-5-(1-methylpropyl)-1,3-dioxane	M-factor: 1	Aquatic Acute 1, Aquatic Chronic 1 H400, H410
<1%	18479-58-8 242-362-4 01-2119457274-37	2,6-Dimethyloct-7-en-2-ol		Skin Irrit. 2, Eye Irrit. 2 H315, H319
<1%	25265-71-8 246-770-3 01-2119456811-38	Dipropylene glycol		- Nicht eingestuft -
<1%	140-11-4 205-399-7 01-2119638272-42	Benzyl acetate		- Aquatic Chronic 3 H412

See section 16 for the full text of the H statements declared above.

4. FIRST AID MEASURES	
4.1 Description of first aid measures	
General advice:	Seek medical advice immediately and show this safety data sheet. Take off all contaminated clothing.
Inhalation:	In case of excessive inhalation remove the person to fresh air and keep at rest in a comfortable position. Obtain medical advice immediately.
Skin contact:	Remove contaminated clothing. (N.B. - wash before re-use). Wash off skin immediately with plenty of water, using soap if available.
Eye contact:	Immediately rinse the eyes with plenty of water (15 minutes). If any sign of tissue damage or persistent irritation is apparent, obtain medical advice immediately.
Ingestion:	Rinse mouth with water. Give a glass / cup of milk / water to drink. Do not induce vomiting. Obtain medical advice immediately.
4.2 Most important symptoms and effects, both acute and delayed	
	No further relevant information available.
4.3 Indication of immediate medical attention and special treatment needed	

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No further relevant information available.

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing agents:

- Dry extinguishing agent
- Alcohol resistant foam
- Carbon dioxide
- Water spray

5.2 Special hazard arising from the substance or mixture

No specific hazard known.

5.3 Advice for fire-fighters

No specific advice.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel:

Adequate protective gloves should be worn when handling spillages. No smoking. Avoid naked flames or other potential sources of ignition (eg. electrical equipment). Avoid skin contamination and inhalation of vapour. Individual washing routines should be followed after any potential contact. Ensure adequate ventilation in working areas following accidental releases.

6.1.2 For emergency personnel:

Apply the same recommendations as section 6.1.1

6.2 Environmental precautions

Do not allow to enter sewers / surface or ground water.

6.3 Methods and material for containment and cleaning up

6.3.1 For containment

Any absorbent used for cleaning up spillage should be disposed promptly, accordingly to local regulation. Gross spillages should be contained by any means, and disposal of this should be in accordance with governmental Regulations

6.3.2 For cleaning-up

Spillages should be disposed of in accordance with Governmental Regulations.

6.4 Reference to other sections

See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Wear appropriate protective gloves and goggles / face shield.

Do not smoke.

Avoid all sources of ignition.

Avoid excessive temperature during processing.

Do not ingest or apply directly to skin.

Good ventilation of storage and work place.

7.1.1 Protective measures:

Keep strict control of dust accumulation to a minimum. Maintain adequate local and general ventilation where product is handled. Avoid any sources of ignition.

7.1.2 Advice on general occupational hygiene:

Good personal washing routines should be followed.

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7.2	Conditions for safe storage, including any incompatibilities	
7.2.1	Requirements to be met by storerooms and receptacles:	It is good general practice to store in closed, preferably full, containers away from heat sources, and protected from extremes of temperature. Do not store below 20 °C Protect from light. Do not re-use the empty container.
7.2.2	Information about storage in one common storage facility:	No further relevant information available.
7.2.3	Further information about storage conditions:	Not available
7.3	Specific end use(s)	
		Perfuming of consumer products

8. EXPOSURE CONTROLS / PERSONAL PROTECTION						
8.1	Control parameters					
Ingredients with limit values that require monitoring at the workplace:						
Ingredient		Short-term value		Long-term value		CAS-No
Value		[mg/m³]	[ppm]		Base	Publication
				[mg/m³]	[ppm]	
(R)-p-Mentha-1,8-diene						5989-27-5
MAK	220	40		110	20	SuvaPro 2013
Damage to the fetus need not be feared if the MAK value is observed						
Dipropylene glycol						25265-71-8
Benzyl acetate						140-11-4
8.2	Exposure controls					
8.2.1	Engineering measures					
Ensure adequate ventilation, especially in confined areas						
Additional information about design of technical facilities:		No further data, see item 7				
8.2.2	Personal protective equipment					
Respiratory protection:		Use respiratory protection if ventilation is insufficient				
Protection of hands:		 Use chemically resistant gloves as needed.				
Eye protection:		 Use goggles.				
Body protection:		Protective clothing, gloves and goggles				
Hygienic measures:		Avoid contact with skin and eyes				
8.2.3	Limitation and supervision of exposure into the environment					
Take precautions to prevent the product from entering the sewage system. In case of contamination of water or sewage system, inform the responsible authorities.						

9. PHYSICAL AND CHEMICAL PROPERTIES	
9.1	Information on basic physical and chemical properties
Appearance:	liquid
Colour:	slightly yellow

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Odour:	balsamic-flowery-musky	
Odour threshold:	not determined	
Flashpoint (°C):	123.0	Method: Pensky-Martens, closed cup
Relative density (d 20/4 °C):	0.962	
PH-value:	not applicable	
Boiling point (°C):	not determined	
Melting point (°C):	not determined	
Auto flammability (°C):	not determined	
Explosive prop. (°C):	not determined	
Oxidizing properties:	none expected	
Vapour pressure:	not determined	
Water solubility:	not determined	
Solvent Content:	51%	
VOC:	0.620%	
9.2 Other information		
	no data available	

10. STABILITY AND REACTIVITY		
10.1 Reactivity:	No reaction known with water.	
10.2 Chemical Stability:	Good stability at standard temperature.	
10.3 Possibility of hazardous reactions:	Vapors can form flammable mixtures with air.	
10.4 Conditions to avoid:	Avoid temperatures above or at least 5 °C below flash point for any flammable liquids. Do not heat closed containers. Avoid contact with oxidizing agents.	
10.5 Incompatible materials:	Not known.	
10.6 Hazardous decompositions products:	Contact with water or storage under recommended conditions for one year should not produce dangerous decomposition products.	

11. TOXICOLOGICAL INFORMATION		
11.1 Information on hazard classes according to Regulation (EC) No 1272/2008		
Acute toxicity:	No data available	
Skin corrosion/irritation	No data available	
Serious eye damage / irritation	No data available	
Respiratory or skin sensitisation	No data available	
CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)	No data available	
STOT – single exposure	No data available	
STOT – repeated exposure	No data available	
Aspiration hazard	No data available	
11.2 Information on other hazards		
Endocrine disrupting properties:	No data available	
Other information:	No data available	

12. ECOLOGICAL INFORMATION		
12.1 Toxicity:	No further relevant information available. (Product is a mixture). The product must be labeled according to Regulation (EC) No. 1272/2008 (CLP) in the currently valid version.	
12.2 Persistence and degradability:	No further relevant information available.	
12.3 Bioaccumulative potential:	No further relevant information available.	
12.4 Mobility in soil	No further relevant information available.	

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12.5 Results of PBT and vPvB assessment	This mixture does not contain substances classified as PBT or vPvB.
12.6 Endocrine disrupting properties	This mixture does not contain any substances with endocrine-disrupting properties according to the evaluation criteria set out in (EC) No 1907/2006, (EU) 2017/2100, (EU) 2018/605.
12.7 Other adverse effects	No further relevant information available.

13. DISPOSAL CONDITIONS

Residual quantities of the product should be treated according to the instructions given under points 6, 7 and 8 above. Wastes should be eliminated according to national or regional regulatory requirements currently in force. Minimize release to the environment.

14. TRANSPORTATION INFORMATION

UN-Nr.	3082		IMDG-Code	9	Packing group: III
RID/ADR	9		IATA/DGR	9	

UN proper shipping name:

RID/ADR: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran, Mixture)

IMDG: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

IATA/ICAO: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Marine pollutant: 1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran

Additional information: In case of accidental spillage or fire during transport please refer to instructions under the above mentioned headings 5, 6, 7 and 8.

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
15.1.1 Regulation (EC) No 1907/2006 (REACH)
Annex XIV - List of substances subject to authorization
Substances of very high concern 2-(2,4-Dimethyl-3-cyclohexene-1-yl)-5-methyl-5-(1-methylpropyl)-1,3-dioxane
Annex XVII - Restriction on the manufacture and use of certain dangerous substances, mixtures and articles
Not applicable
15.1.2 National Regulations (Germany)
Classification according VwVwS, Annexe 4
Water hazard class 2
15.2 Chemical safety assessment
No data available at this time.

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16. OTHER INFORMATION

16.1 Full text of abbreviated H-phrases	-	Void
	H226	Flammable liquid and vapour.
	H302	Harmful if swallowed.
	H304	May be fatal if swallowed and enters airways.
	H314	Causes severe skin burns and eye damage.
	H315	Causes skin irritation.
	H317	May cause an allergic skin reaction.
	H318	Causes serious eye damage.
	H319	Causes serious eye irritation.
	H400	Very toxic to aquatic life.
	H410	Very toxic to aquatic life with long lasting effects.
	H411	Toxic to aquatic life with long lasting effects.
	H412	Harmful to aquatic life with long lasting effects.
16.2 Full text of abbreviated classifications (GHS)	Acute Tox. 4 oral	Acute Toxicity, Oral Category 4
	Aquatic Acute 1	Acute Aquatic Toxicity Category 1
	Aquatic Chronic 1	Chronic Aquatic Toxicity Category 1
	Aquatic Chronic 2	Chronic Aquatic Toxicity Category 2
	Aquatic Chronic 3	Chronic Aquatic Toxicity Category 3
	Asp. Tox. 1	Aspiration Toxicity Category 1
	Eye Dam. 1	Serious eye damage Category 1
	Eye Irrit. 2	Eye irritation Category 2
	Flam. Liq. 3	Flammable Liquids Category 3
	Nicht eingestuft	PRODUCT NOT CLASSIFIED AS DANGEROUS ACCORDING TO EUROPEAN DIRECTIVE 1272/2008 AND ITS ADAPTATIONS. -
	Skin Corr. 1B	Skin corrosion Category 1B
	Skin Irrit. 2	Skin irritation Category 2
	Skin Sens. 1	Skin Sensitisers Category 1
	Skin Sens. 1A	Skin Sensitisers Category 1A
16.3 Abbreviations and acronyms	ADR	Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
	AFS	Arbetsmiljöverkets författningssamling (Se)
	AGS	Ausschuss für Gefahrstoffe (D)
	AT	Arbejdspladsbrugsanvisning for stoffer og materiale (Dk)
	BS	Belgisch Staatsblad (B)
	EINECS	European Inventory of Existing Commercial Chemical Substances
	GHS	Globally Harmonized System of Classification and Labelling of Chemicals
	IATA	International Air Transport Association
	IMDG	International Maritime Code for Dangerous Goods
	INSHT	Límites de Exposición Profesional para Agentes Químicos en España (E)
	MAK	Maximale Arbeitsplatzkonzentration
	REACH	Registration, Evaluation, Authorisation and Restriction of Chemical substances, European Community Regulation on chemicals and their safe use (EC 1907/2006)
	SuvaPro	Suva: Grenzwerte am Arbeitsplatz (CH)
	VOC	Volatile Organic Compounds (USA, EU)

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16.4 Recommended applications:	Concentrated perfumery raw material. Unsuitable for personal use as such.
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The recommendations in this safety data sheet reflect the knowledge available to us on the date of going to print. They are intended to give you hints for the safe handling of the product mentioned in this safety data sheet during storage, processing, transport and waste disposal. This information cannot be transferred to other products. In those cases where the product mentioned in this safety data sheet is blended, mixed or processed with other materials or processed in any other way, the information contained in this safety data sheet cannot be related to the new material obtained in this way.