




# 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. <b>Not for personal use in this form or concentration.</b>
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

<b>Prevention:</b>	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.
<b>Response in cases of accidental spillage or exposure:</b>	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.
<b>Storage:</b>	
<b>Disposal:</b>	P501 Dispose of contents / container in accordance with government regulations.

#### Hazardous component (s) for labeling:

<u>CAS No:</u>	<u>Chemical name:</u>
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:

<u>CAS No:</u>	<u>Chemical name:</u>
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-ylacetate
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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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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<b>7.2 Conditions for safe storage, including any incompatibilities</b>	
<b>7.2.1 Requirements to be met by storerooms and receptacles:</b>	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.
<b>7.2.2 Information about storage in one common storage facility:</b>	No further relevant information available.
<b>7.2.3 Further information about storage conditions:</b>	Not available
<b>7.3 Specific end use(s)</b>	Perfuming of consumer products

<b>8. EXPOSURE CONTROLS / PERSONAL PROTECTION</b>						
<b>8.1 Control parameters</b>						
Ingredients with limit values that require monitoring at the workplace:						
<b>Ingredient</b>	<b>Value</b>	<b>Short-term value</b>	<b>Long-term value</b>	<b>Base</b>	<b>CAS-No</b>	<b>Publication</b>
	[mg/m <sup>3</sup> ]	[ppm]	[mg/m <sup>3</sup> ]	[ppm]		
<b>(R)-p-Mentha-1,8-diene</b>					<b>5989-27-5</b>	
MAK	220	40	110	20	SuvaPro	2013
Damage to the fetus need not be feared if the MAK value is observed						
<b>Dipropylene glycol</b>					<b>25265-71-8</b>	
<b>Benzyl acetate</b>					<b>140-11-4</b>	
<b>8.2 Exposure controls</b>						
<b>8.2.1 Engineering measures</b>						
Ensure adequate ventilation, especially in confined areas						
<b>Additional information about design of technical facilities:</b> No further data, see item 7						
<b>8.2.2 Personal protective equipment</b>						
<b>Respiratory protection:</b>	Use respiratory protection if ventilation is insufficient					
<b>Protection of hands:</b>	 Use chemically resistant gloves as needed.					
<b>Eye protection:</b>	 Use goggles.					
<b>Body protection:</b>	Protective clothing, gloves and goggles					
<b>Hygienic measures:</b>	Avoid contact with skin and eyes					
<b>8.2.3 Limitation and supervision of exposure into the environment</b>						
Take precautions to prevent the product from entering the sewage system. In case of contamination of water or sewage system, inform the responsible authorities.						

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

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

<b>10. STABILITY AND REACTIVITY</b>		
<b>10.1 Reactivity:</b>	No reaction known with water.	
<b>10.2 Chemical Stability:</b>	Good stability at standard temperature.	
<b>10.3 Possibility of hazardous reactions:</b>	Vapors can form flammable mixtures with air.	
<b>10.4 Conditions to avoid:</b>	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.	
<b>10.5 Incompatible materials:</b>	Not known.	
<b>10.6 Hazardous decompositions products:</b>	Contact with water or storage under recommended conditions for one year should not produce dangerous decomposition products.	

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

<b>12. ECOLOGICAL INFORMATION</b>		
<b>12.1 Toxicity:</b>	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.	
<b>12.2 Persistence and degradability:</b>	No further relevant information available.	
<b>12.3 Bioaccumulative potential:</b>	No further relevant information available.	
<b>12.4 Mobility in soil</b>	No further relevant information available.	

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<b>12.5 Results of PBT and vPvB assessment</b>	This mixture does not contain substances classified as PBT or vPvB.
<b>12.6 Endocrine disrupting properties</b>	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.
<b>12.7 Other adverse effects</b>	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

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

#### UN proper shipping name:

<b>RID/ADR:</b>	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)
<b>IMDG:</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
<b>IATA/ICAO:</b>	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

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



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### 16. OTHER INFORMATION

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

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**16.4 Recommended applications:** Concentrated perfumery raw material.  
Unsuitable for personal use as such.

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.