

Safety data sheet according to 29 CFR 1910.1200

6052 - MUSK AND OUD

Date of compilation: 5/17/2023

Revised: 7/13/2023 Version

Version: 2 (Replaced 1)

SECTION 1: IDENTIFICATION

1.1 GHU Product identifier: 6052 - MUSK AND OUD

SECTION 2: HAZARD(S) IDENTIFICATION

2.1 Classification of the substance or mixture:

29 CFR 1910.1200:

Classification of this product has been carried out in accordance with paragraph (d) of § 1910.1200. Skin Sens. 1B: Sensitisation, skin, Category 1B, H317

2.2 Label elements:

29 CFR 1910.1200:

29 CFR 1910.1 Warning



Hazard statements:

Skin Sens. 1B: H317 - May cause an allergic skin reaction.

Precautionary statements:

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

P272: Contaminated work clothing should not be allowed out of the workplace.

- P280: Wear protective gloves/protective clothing/respiratory protection/eye protection/protective footwear.
- P302+P352: IF ON SKIN: Wash with plenty of soap and water.
- P333+P313: If skin irritation or rash occurs: Get medical advice/attention.

P501: Dispose of contents and / or containers in accordance with regulations on hazardous waste or packaging and packaging waste respectively.

Substances that contribute to the classification

4-tert-butylcyclohexyl acetate; 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one; Hexyl cinnam-aldehyde; Cedarwood oil, Texas

2.3 Hazards not otherwise classified (HNOC):

Not applicable (N/A)

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances:

Non-applicable

3.2 Mixtures:

Chemical description: Aromatising mixture based on natural and/or synthetic ingredients

Components:





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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

Remaining components are non-hazardous and/or present at amounts below reportable limits. The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.Therefore, in accordance with Appendix D to § 1910.1200, the product contains:

	Identification	Chemical name/Classification		Concentratio
	22240.22.4	4-tert-butylcyclohexyl acetate		25 400
CAS:	32210-23-4	Skin Sens. 1B: H317 - Warning	$\langle \mathbf{i} \rangle$	2.5 - <10 %
		1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one		
CAS:	54464-57-2	Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Warning	$\langle i \rangle$	2.5 - <10 9
	101.05.0	Hexyl cinnam-aldehyde		25 400
CAS:	101-86-0	Skin Sens. 1B: H317 - Warning	$\langle \hat{\mathbf{I}} \rangle$	2.5 - <10 %
		Patchoulí, oil		
CAS:	84238-39-1	Asp. Tox. 1: H304 - Danger	۵	1 - <2.5 %
	1506.00.1	1-(5,6,7,8-tetrahydro-3,5,5,6,8,8-hexamethyl-2-naphthyl)ethan-1-one	()	1 - <2.5 %
CAS:	1506-02-1	Acute Tox. 4: H302 - Warning		
		Cedarwood oil, Texas		1 -2 5 0
CAS:	68990-83-0	Asp. Tox. 1: H304; Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Danger	(!)	1 - <2.5 %
		1,3,4,6,7,8a-hexahydro-1,1,5,5-tetramethyl-2h-2,4a-methanonaphthalen-8(5h)-one		1 2 5 0
CAS:	23787-90-8	Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Warning	()	1 - <2.5 %
		Cinnamal		.4.0/
CAS:	104-55-2	Acute Tox. 4: H312; Eye Irrit. 2A: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Warning	$\langle i \rangle$	<1 %
	4707 47 5	Methyl 2,4-dihydroxy-3,6-dimethylbenzoate		.4.0/
CAS:	4707-47-5	Skin Sens. 1B: H317 - Warning	$\langle \hat{\mathbf{b}} \rangle$	<1 %
646	0016 26 2	Frankincense oil		.1.0/
CAS:	8016-36-2	Asp. Tox. 1: H304; Flam. Liq. 3: H226; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Danger	1 🚯 🚯	<1 %

SECTION 4: FIRST-AID MEASURES

4.1 Description of necessary measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product does not contain substances classified as hazardous for inhalation, however, in case of symptoms of intoxication remove the person affected from the exposure area and provide with fresh air. Seek medical attention if the symptoms get worse or persist.

By skin contact:

May cause an allergic skin reaction. In case of contact it is recommended to clean the affected area thoroughly with water and neutral soap. In case of changes on the skin (stinging, redness, rashes, blisters,...), seek medical advice with this Safety Data Sheet

By eye contact:

Rinse eyes thoroughly with water for at least 15 minutes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, as this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms/effects, acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of immediate medical attention and special treatment needed, if necessary:

Not applicable (N/A)

SECTION 5: FIRE-FIGHTING MEASURES





Date of compilation: 5/17/2023 Revised: 7/13/2023

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SECTION 5: FIRE-FIGHTING MEASURES (continued)

5.1 Suitable (and unsuitable) extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems. **Unsuitable extinguishing media:**

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Specific hazards arising from the chemical:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Special protective equipment and precautions for fire-fighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and individual respiratory equipment. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...)

Additional provisions:

As in any fire, prevent human exposure to fire, smoke, fumes or products of combustion. Only properly trained personnel should be involved in firefighting. Evacuate nonessential personnel from the fire area. Destroy any source of ignition. In case of fire, refrigerate the storage containers and tanks for products susceptible to inflammation. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inert medium. Remove any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

This product is not classified as hazardous to the environment. Keep product away from drains, surface and underground water.

6.3 Methods and materials for containment and cleaning up:

For accidental releases in excess of reportables quantities (RQ) (Table 302.4), refer to 40 CFR 302 for detailed instructions concerning reporting requirements and notify the National Response Center (800) 424-8802. Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Avoid the evaporation of the product as it contains flammable substances, which could form flammable vapour/air mixtures in the presence of sources of ignition. Control sources of ignition (mobile phones, sparks,...) and transfer at slow speeds to avoid the creation of electrostatic charges. Consult section 10 for conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.



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SECTION 7: HANDLING AND STORAGE (continued)

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities:

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A.- Technical measures for storage

Maximum time: 12 Months

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace:

There are no applicable occupational exposure limits for the substances contained in the product

8.2 Appropriate engineering controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protection Equipment. For more information on Personal Protection Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation, the information on clothing performance must be combined with professional judgment, and a clear understanding of the clothing application, to provide the best protection to the worker. All chemical protective clothing use must be based on a hazard assessment to determine the risks for exposure to chemicals and other hazards. Conduct hazard assessments in accordance with 29 CFR 1910.132.

B.- Respiratory protection

Pictogram	PPE	Remarks
Mandatory respiratory tract protection	Filter mask for gases and vapours	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment. Use respirator in accordance with manufacturer's use limitations and OSHA standard 1910.134 (29CFR)

C.- Specific protection for the hands

Pictogram	PPE	Remarks
Mandatory hand protection	Chemical protective gloves (Material: Nitrile, Breakthrough time: > 120 min, Thickness: 0.2 mm)	The Breakthrough Time indicated by the manufacturer must exceed the period during which the product is being used. Do not use protective creams after the product has come into contact with skin. Use gloves in accordance with manufacturer's use limitations and OSHA standard 1910.138 (29CFR)

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

	Pictogram	PPE	Remarks
	Mandatory face protection	Panoramic glasses against splash/projections.	Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing. Use this PPE in accordance with manufacturer's use limitations and OSHA standard 1910.133 (29CFR)
E	Bodily protection		





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CTION 8: EXPOSURE CONTR	ROLS/PERSONAL PROTECTIO	DN (continued)		
Pictogram	PPE	Remarks		
	Work clothing	Replace before any evidence of deterioration. Replace before any evidence of deterioration.		
	Anti-slip work shoes			
F Additional emergency me	asures			
Emergency measure	Standards	Emergency measure	Standards	
Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:201	1 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011	
Environmental exposure of			•	
Environmental exposule (controls:			
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In accordance with the comn spillage of both the product a 40 CFR Part 59 (VOC):	nunity legislation for the protectic and its container. For additional ir	formation see subsection 7.1.		
In accordance with the comm spillage of both the product a 40 CFR Part 59 (VOC): V.O.C.(weight-percent):	nunity legislation for the protectic and its container. For additional ir 11.75 % weight	formation see subsection 7.1.		
In accordance with the comm spillage of both the product a 40 CFR Part 59 (VOC): V.O.C.(weight-percent): V.O.C. at 77 °F: Components:	nunity legislation for the protectic and its container. For additional ir 11.75 % weight 103.44 kg/m³ (103.4	formation see subsection 7.1. 14 g/L)		
In accordance with the comm spillage of both the product a 40 CFR Part 59 (VOC): V.O.C.(weight-percent): V.O.C. at 77 °F: Components:	nunity legislation for the protectic and its container. For additional in 11.75 % weight 103.44 kg/m ³ (103.4 Not applicable (N/A)	formation see subsection 7.1. 14 g/L)		
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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties: For complete information see the product datasheet. Appearance: Physical state at 68 °F: Liquid Appearance: Translucent

Color:	Yellowish
Odor:	Energy drink
Odour threshold:	Not applicable (N/A) *
Volatility:	
Boiling point at atmospheric pressure:	580 °F
Vapour pressure at 77 °F:	9.849E-1 Pa
Vapour pressure at 122 °F:	7.4 Pa (0.01 kPa)
Evaporation rate at 77 °F:	Not applicable (N/A) $*$
*Not relevant due to the nature of the product, not providing inform	ation property of its hazards.





SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued) Product description:	
Density at 77 °F: 880 kg/m ³	
Relative density at 77 °F: 0.88	
Dynamic viscosity at 77 °F: Not applicable (N/A) *	
Kinematic viscosity at 77 °F: Not applicable (N/A) *	
Kinematic viscosity at 104 °F: Not applicable (N/A) *	
Concentration: Not applicable (N/A) *	
pH: Not applicable (N/A) *	
Vapour density at 77 °F: Not applicable (N/A) *	
Partition coefficient n-octanol/water 77 °F: Not applicable (N/A) *	
Solubility in water at 77 °F: Not applicable (N/A) *	
Solubility properties: Not applicable (N/A) *	
Decomposition temperature: Not applicable (N/A) *	
Melting point/freezing point: Not applicable (N/A) *	
Flammability:	
Flash Point: 287 °F	
Flammability (solid, gas): Not applicable (N/A) *	
Autoignition temperature: 536 °F	
Lower flammability limit: Not applicable (N/A) *	
Upper flammability limit: Not applicable (N/A) *	
Particle characteristics:	
Median equivalent diameter: Non-applicable	
9.2 Other information:	
Information with regard to physical hazard classes:	
Explosive properties: Not applicable (N/A) *	
Oxidising properties: Not applicable (N/A) *	
Corrosive to metals: Not applicable (N/A) *	
Heat of combustion: Not applicable (N/A) *	
Aerosols-total percentage (by mass) of flammable Not applicable (N/A) * components: Other safety characteristics:	
Surface tension at 77 °F: Not applicable (N/A) *	
Refraction index: Not applicable (N/A) *	
*Not relevant due to the nature of the product, not providing information property of its hazards.	

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:





Date of compilation: 5/17/2023 Revised: 7/13/2023 Version: 2 (Replaced 1)

SECTION 10: STABILITY AND REACTIVITY (continued)
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Shock and friction Contact with air Increase in temperature Sunlight Humidity Not applicable Not applicable Precaution Precaution Not applicable									
10.5	Incompatible materials: Incompatible materials:								
	Acids Water Oxidising materials Combustible materials Other								
	Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases				

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than recommended by the occupational exposure limits, it may result in adverse effects on health depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity: Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.

- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for inhalation. For more information see section 3.

- Corrosivity/Irritability: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- C- Contact with the skin and the eyes (acute effect):
 - Contact with the skin: Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for skin contact. For more information see section 3.
 - Contact with the eyes: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):
 - Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
 - IARC: Not applicable (N/A)

- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- E- Sensitizing effects:
 - Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
 - Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.
- F- Specific target organ toxicity (STOT) single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

- G- Specific target organ toxicity (STOT)-repeated exposure:
 - Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
 - Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- H- Aspiration hazard:





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ON 11: TOXICOLOGICAL INFORMATION (continued)			
Based on available data, the classification criteria are not met. Howe for this effect. For more information see section 3. Other information:	ever, it does contai	n substances classified a	as hazaro
Not applicable (N/A)			
Specific toxicology information on the substances:			
- Identification		cute toxicity	Gei
1-(5,6,7,8-tetrahydro-3,5,5,6,8,8-hexamethyl-2-naphthyl)ethan-1-one	LD50 oral	920 mg/kg	R
CAS: 1506-02-1	LD50 dermal	7940 mg/kg	Rat
	LC50 inhalation	>5 mg/L	
Hexyl cinnam-aldehyde	LD50 oral	3100 mg/kg	R
CAS: 101-86-0	LD50 dermal	3000 mg/kg	Ra
	LC50 inhalation	>20 mg/L	
Cedarwood oil, Texas	LD50 oral	>5000 mg/kg	
CAS: 68990-83-0	LD50 dermal	>5000 mg/kg	
	LC50 inhalation	Not applicable (N/A)	
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	LD50 oral	>5000 mg/kg	
CAS: 54464-57-2	LD50 dermal	>5000 mg/kg	
	LC50 inhalation	>20 mg/L	
1,3,4,6,7,8a-hexahydro-1,1,5,5-tetramethyl-2h-2,4a-methanonaphthalen-8(5h)-one	LD50 oral	>5000 mg/kg	
CAS: 23787-90-8	LD50 dermal	>5000 mg/kg	
	LC50 inhalation	>20 mg/L	
4-tert-butylcyclohexyl acetate	LD50 oral	3370 mg/kg	
CAS: 32210-23-4	LD50 dermal	>5000 mg/kg	
	LC50 inhalation	>20 mg/L	
Patchoulí, oil	LD50 oral	>5000 mg/kg	
CAS: 84238-39-1	LD50 dermal	>5000 mg/kg	
	LC50 inhalation	>20 mg/L	
Cinnamal	LD50 oral	2100 mg/kg	R
CAS: 104-55-2	LD50 dermal	1100 mg/kg	R
	LC50 inhalation	>20 mg/L	
Methyl 2,4-dihydroxy-3,6-dimethylbenzoate	LD50 oral	>5000 mg/kg	R
CAS: 4707-47-5	LD50 dermal	>5000 mg/kg	R
	LC50 inhalation	>5 mg/L	
Frankincense oil	LD50 oral	>5000 mg/kg	
CAS: 8016-36-2	LD50 dermal	>5000 mg/kg	
	LC50 inhalation	>20 mg/L	

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Ecotoxicity (aquatic and terrestrial, where available):

Chronic toxicity:

Identification		Concentration	Species	Genus
Cinnamal	NOEC	15.159 mg/L	N/A	Fish
CAS: 104-55-2	NOEC	Not applicable (N/A)		

12.2 Persistence and degradability:

Substance-specific information:





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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	De	gradability	Biodegradability	
Methyl 2,4-dihydroxy-3,6-dimethylbenzoate	BOD5	Not applicable (N/A)	Concentration	100 mg/L
CAS: 4707-47-5	COD	Not applicable (N/A)	Period	28 days
	BOD5/COD	Not applicable (N/A)	% Biodegradable	59 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	В	Bioaccumulation potential			
Hexyl cinnam-aldehyde	BCF	17			
CAS: 101-86-0	Pow Log				
	Potential	Low			
1-(5,6,7,8-tetrahydro-3,5,5,6,8,8-hexamethyl-2-naphthyl)ethan-1-one	BCF				
CAS: 1506-02-1	Pow Log	5.7			
	Potential				
Cinnamal	BCF	8			
CAS: 104-55-2	Pow Log	1.9			
	Potential	Low			
Methyl 2,4-dihydroxy-3,6-dimethylbenzoate	BCF	232			
CAS: 4707-47-5	Pow Log				
	Potential	High			

12.4 Mobility in soil:

Identification	Absorp	tion/desorption	Volatility		
Cinnamal	Кос	37	Henry	3.546E-1 Pa·m ³ /mol	
CAS: 104-55-2	Conclusion	Very High	Dry soil	Yes	
	Surface tension	Not applicable (N/A)	Moist soil	Yes	
Methyl 2,4-dihydroxy-3,6-dimethylbenzoate	Кос	235	Henry	1.1E-2 Pa·m ³ /mol	
CAS: 4707-47-5	Conclusion	Moderate	Dry soil	Not applicable (N/A)	
	Surface tension	Not applicable (N/A)	Moist soil	Not applicable (N/A)	

12.5 Results of PBT and vPvB assessment:

Non-applicable

12.6 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Disposal methods:

IT IS THE RESPONSIBILITY OF THE WASTE GENERATOR TO EVALUATE WHETHER HIS WASTES ARE HAZARDOUS BY CHARACTERISTICS OR LISTING.

Waste management (disposal and evaluation):

Follow RCRA framework and EPA regulation for to ensure that hazardous waste is managed safely and properly. Waste should not be disposed of to drains. Remind, It is the responsibility of the waste generator to evaluate whether his wastes are hazardous by characteristics or listing. See section 6 for further information about Accidental release measures.

Regulations related to waste management:

Legislation related to waste management:

40 CFR Solid Wastes - Part 239 through 282.

State regulatory requirements for generators may be more stringent than those in the federal program. Be sure to check the state's policies.

SECTION 14: TRANSPORT INFORMATION

Transport of dangerous goods by land:



Safety data sheet according to 29 CFR 1910.1200

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ate of compilation: 5/17/2023	Revised: 7/13/2023 V	/ersion: 2 (Replaced 1)
SECTION 14: TRANSPORT	INFORMATION (continued)	
	on the Transport of Dangerous Go	ode:
A A	UN number:	UN3082
	UN proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one)
14.3	Transport hazard class(es): Labels:	9
14.4	Packing group, if applicable:	-
	Marine pollutant:	Yes
14.6		user needs to be aware of, or needs to comply with, in conveyance either within or outside their premises
	Physico-Chemical properties:	see section 9
	Limited quantities:	5 L
		en transporting aboard a vessel, the requirements of this subchapter not apply to non-bulk packagings transported by motor vehicles, rail
14.7	Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code):	Not applicable (N/A)
Transport of danger		
With regard to IMDG 4		
U U	UN number:	UN3082
	UN proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1-
		(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one)
¥ V 14.3	Transport hazard class(es): Labels:	9 9
14.4	Packing group, if applicable:	
	Marine pollutant:	Yes
	Special precautions which a u	user needs to be aware of, or needs to comply with, in
	connection with transport or Special regulations:	conveyance either within or outside their premises 335, 969, 274
	EmS Codes:	F-A, S-F
	Physico-Chemical properties: Limited quantities:	see section 9 5 L
	Segregation group:	Not applicable (N/A)
14.7	 Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code): 	Not applicable (N/A)
Transport of danger		
With regard to IATA/IC	AO 2023:	
14.1	UN number:	UN3082
14.2	2 UN proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1- (1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1- one)
14.3	Transport hazard class(es): Labels:	9 9
14.4	Packing group, if applicable:	III
	Marine pollutant:	Yes
14.6		user needs to be aware of, or needs to comply with, in conveyance either within or outside their premises
	Physico-Chemical properties:	see section 9
14.7	7 Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code):	Not applicable (N/A)





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SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations specific for the product in question:

- CALIFORNIA LABOR CODE - The Hazardous Substances List: Not applicable (N/A)

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- California Proposition 65 (the Safe Drinking Water and Toxic Enforcement Act of 1986) - Birth defects or other reproductive harm: Not applicable (N/A)

- California Proposition 65 (the Safe Drinking Water and Toxic Enforcement Act of 1986) - Cancer: Not applicable (N/A)

- CANADA-Domestic Substances List (DSL): 4-tert-butylcyclohexyl acetate (32210-23-4);

1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one (54464-57-2); Hexyl cinnam-aldehyde (101-86-0); Patchoulí, oil (84238-39-1); 1-(5,6,7,8-tetrahydro-3,5,5,6,8,8-hexamethyl-2-naphthyl)ethan-1-one (1506-02-1); Cedarwood oil, Texas (68990-83-0); 1,3,4,6,7,8a-hexahydro-1,1,5,5-tetramethyl-2h-2,4a-methanonaphthalen-8(5h)-one (23787-90-8); Cinnamal (104-55-2); Methyl 2,4-dihydroxy-3,6-dimethylbenzoate (4707-47-5); Frankincense oil (8016-36-2)

- CANADA-Non-Domestic Substances List (NDSL): Not applicable (N/A)

- Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) - Reportable Quantities: Not applicable (N/A)

- Hazardous Air Pollutants (Clean Air Act): Not applicable (N/A)
- Massachusetts RTK Substance List: Not applicable (N/A)
- Minnesota Hazardous substances ERTK: Not applicable (N/A)
- New Jersey Worker and Community Right-to-Know Act: Not applicable (N/A)
- New York RTK Substance list: Not applicable (N/A)
- NTP (National Toxicology Program): Not applicable (N/A)
- OSHA Specifically Regulated Substances (29 CFR 1910.1001-1096): Not applicable (N/A)
- Pennsylvania Worker and Community Right-to-Know Law: Not applicable (N/A)
- Rhode Island Hazardous substances RTK: Not applicable (N/A)
- The Toxic Substances Control Act (TSCA) : 4-tert-buty/cyclohexyl acetate (32210-23-4);
- 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one (54464-57-2); Hexyl cinnam-aldehyde (101-86-0);
- 1-(5,6,7,8-tetrahydro-3,5,5,6,8,8-hexamethyl-2-naphthyl)ethan-1-one (1506-02-1); Cedarwood oil, Texas (68990-83-0);

1,3,4,6,7,8a-hexahydro-1,1,5,5-tetramethyl-2h-2,4a-methanonaphthalen-8(5h)-one (23787-90-8); Cinnamal (104-55-2); Methyl 2,4-dihydroxy-3,6-dimethylbenzoate (4707-47-5); Frankincense oil (8016-36-2)

- Toxic chemical release reporting under EPCRA section 313 (40 CFR Part 372): Not applicable (N/A)

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as data used in a risk evaluation of the local circumstances in order to establish the necessary risk prevention measures for the manipulation, use, storage and disposal of this product.

Other legislation:

Take into consideration other applicable federal, state, and local laws and local regulations.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

This safety data sheet has been designed in accordance with Appendix d to §1910.1200 - Safety data sheets

Texts of the legislative phrases mentioned in section 2:

H317: May cause an allergic skin reaction.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

29 CFR 1910.1200:

Acute Tox. 4: H302 - Harmful if swallowed.

Acute Tox. 4: H312 - Harmful in contact with skin.

Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways.

Eye Irrit. 2A: H319 - Causes serious eye irritation.

Flam. Liq. 3: H226 - Flammable liquid and vapour.

Skin Irrit. 2: H315 - Causes skin irritation.

Skin Sens. 1: H317 - May cause an allergic skin reaction.

Skin Sens. 1B: H317 - May cause an allergic skin reaction.

Advice related to training:

Minimal training is recommended to prevent industrial risks for staff using this product, in order to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

Occupational Safety & Health Administration (OSHA).

Abbreviations and acronyms:



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5	SECTION	16:	OT	HER	INF	ORM/	ATIO	N (contir	nued)

IMDG: International maritime dangerous goods code IATA: International Air Transport Association ICAO: International Civil Aviation Organisation COD: Chemical Oxygen Demand BOD5: 5-day biochemical oxygen demand BCF: Bioconcentration factor LD50: Lethal Dose 50 CL50: Lethal Concentration 50 EC50: Effective concentration 50 Log-POW: Octanol-water partition coefficient Koc: Partition coefficient of organic carbon IARC: International Agency for Research on Cancer Date of compilation: 5/17/2023 Revised: 7/13/2023

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