

Safety Data Sheet

SDS Type: GHS / OSHA

DOC ID: 41022.400738.475352

Product: **Musk**
Product#: **114196**
SKU#: **mus**

Page 1 of 8
2014-01-29

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade Name: Musk
Product/Sales No: 114196

1.2 Relevant identified product use

Intended use: Compound used in customer substance/mixture/product

1.3 Details of the manufacturer/supplier of the safety data sheet

Wellington Fragrance
33306 Glendale St.
Livonia, MI 48150 USA
734-261-5531 FAX 734-261-5571
www.wellingtonfragrance.com

1.4 Emergency telephone number

(800) 255-3924 Domestic USA, Canada, Puerto Rico, and US Virgin Islands
+1 813 248-0585 International (CHEMTEL #MIS 0000533)

2. Hazards Identification

2.1 Classification of the substance or mixture

This mixture has not been tested as a whole. The effects, listed below, are based on evaluation of individual components in accordance with the provisions of the regulation(s) noted below.

Classification according to GHS Regulation (EC) No 1272/2008

Aquatic Acute Toxicity, Category 2	:
Flammable Liquids, Category 4	H227: Combustible liquid
Acute Toxicity Oral, Category 5	H303: May be harmful if swallowed
Acute Toxicity Dermal, Category 5	H313: May be harmful in contact with skin
Skin Corrosion/Irritation, Category 2	H315: Causes skin irritation
Sensitization, Skin, Category 1A	H317: May cause an allergic skin reaction
Eye Damage/Eye Irritation, Category 2A	H319: Causes serious eye irritation
Acute Toxicity Inhalation, Category 4	H332: Harmful if inhaled
Carcinogenicity, Category 1B	H350: May cause cancer
Aquatic Chronic Toxicity, Category 2	H411: Toxic to aquatic life with long lasting effects

Classification OSHA (Provisions 1910.1200 of title 29)

Flammability	Class IIIA Combustible Liquid
Acute Dermal/Eye	12 : Causes moderate skin irritation. 16 : Causes eye irritation. 19 : May cause photo-induced skin irritation.
Acute Inhalation	9 : Harmful if absorbed through the skin. 23 : May cause respiratory tract irritation. 25 : Inhalation at high levels may cause: tremors, labored breathing, hypothermia, lethargy, ataxia.
Acute Oral	2 : Harmful if swallowed
Reproductive/Developmental	39 : Causes reproductive/developmental toxicity in animals.
Sensitization/Allergic Response	31 : May cause allergic skin reaction.

Safety Data Sheet

SDS Type: GHS / OSHA

DOC ID: 41022.400738.475352

Product: **Musk**
Product#: **114196**
SKU#: **mus**

Page 2 of 8
2014-01-29

Target Organ Effects

26 : Prolonged or repeated ingestion may cause damage to: kidneys, liver, spleen, blood, stomach, brain, bile duct, tongue, mucous membranes, musculo-skeletal system.

Carcinogenicity

28 : Prolonged or repeated Dermal Exposure may cause damage to: kidneys, skin
This mixture contains ingredients identified as carcinogens, at 0.1% or greater, by the following:None [X] ACGIH [] IARC [] NTP [] OSHA []

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms



Signal Word: Danger, Warning

Hazard statements

H227	Combustible liquid
H303	May be harmful if swallowed
H313	May be harmful in contact with skin
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H332	Harmful if inhaled
H350	May cause cancer
H411	Toxic to aquatic life with long lasting effects

Precautionary Statements

Prevention:

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P235	Keep cool
P264	Wash hands thoroughly after handling
P271	Use only outdoors or in a well-ventilated area
P272	Contaminated work clothing should not be allowed out of the workplace
P273	Avoid release to the environment
P281	Use personal protective equipment as required

Response:

P302 + P352	IF ON SKIN: Wash with soap and water
P304 + P312 + P340	IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell Remove victim to fresh air and keep at rest in a position comfortable for breathing
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes Remove contact lenses if present and easy to do. continue rinsing
P308 + P313	IF exposed or concerned: Get medical advice/attention
P312	Call a POISON CENTER or doctor/physician if you feel unwell
P333 + P313	If skin irritation or a rash occurs: Get medical advice/attention
P337 + P313	If eye irritation persists: Get medical advice/attention
P362	Take off contaminated clothing and wash before reuse

Safety Data Sheet

SDS Type: GHS / OSHA

DOC ID: 41022.400738.475352

Product: **Musk**
Product#: **114196**
SKU#: **mus**

Page 3 of 8
2014-01-29

P363 Wash contaminated clothing before reuse
P370 + P378 In case of fire: Use Carbon dioxide (CO₂), Dry chemical, or Foam for extinction. Do not use a direct water jet on burning material
P391 Collect Spillage

2.3 Other Hazards

no data available

3. Composition/Information on Ingredients

3.1 Mixtures

This product is a complex mixture of ingredients, which contains among others the following substance(s), presenting a health or environmental hazard within the meaning of the UN Globally Harmonized System of Classification and Labeling of Chemicals (GHS):

CAS# Ingredient	EC#	Conc. Range	GHS Classification	OSHA Classification
84-66-2 <i>Diethyl phthalate</i>	201-550-6	20 - 30 %	H316	
60-12-8 <i>phenethyl alcohol</i>	200-456-2	10 - 20 %	H302; H313; H316; H319	11, 15, 3
32210-23-4 <i>4-tert-Butylcyclohexyl acetate</i>	250-954-9	5 - 10 %	H303; H316; H317; H411	11, 15
1222-05-5 <i>Hexamethylindanopyran</i>	214-946-9	5 - 10 %	H316; H410	11, 15
140-11-4 <i>Benzyl acetate</i>	205-399-7	5 - 10 %	H227; H303; H316	15, 25, 26, 31, 39
106-22-9 <i>Citronellol</i>	203-375-0	5 - 10 %	H303; H313; H315; H317; H319	11, 15
81-14-1 <i>Musk ketone</i>	201-328-9	2 - 5 %	H316; H351; H410	11, 15
78-70-6 <i>Linalool</i>	201-134-4	2 - 5 %	H227; H303; H315; H319	12, 26
115-95-7 <i>Linalyl acetate</i>	204-116-4	2 - 5 %	H227; H315; H319	
32388-55-9 <i>Acetyl cedrene</i>	251-020-3	2 - 5 %	H316; H317; H410	16, 19
68647-72-3 <i>Citrus aurantium var. dulcis</i>	232-433-8	2 - 5 %	H226; H304; H315; H317; H410	12, 3, 31
120-51-4 <i>Benzyl Benzoate</i>	204-402-9	2 - 5 %	H302; H313; H411	28, 3
98-55-5 <i>alpha-Terpineol</i>	202-680-6	2 - 5 %	H227; H303; H315; H319	11, 15, 23
106-21-8 <i>3,7-Dimethyl-1-octanol</i>	203-374-5	1 - 2 %	H303; H315; H319; H411	11, 15
8050-15-5 <i>Methyl ester of rosin (partially hydrogenated)</i>	232-476-2	1 - 2 %	H412	31

Safety Data Sheet

SDS Type: GHS / OSHA

DOC ID: 41022.400738.475352

Product: **Musk**
Product#: **114196**
SKU#: **mus**

Page 4 of 8
2014-01-29

CAS# Ingredient	EC#	Conc. Range	GHS Classification	OSHA Classification
122-40-7 <i>Amyl Cinnamal</i>	204-541-5	1 - 2 %	H303; H316; H317; H411	11, 15
91-64-5 <i>Coumarin</i>	202-086-7	1 - 2 %	H302; H317	12, 15, 2, 26, 31, 9
105-95-3 <i>Ethylene brassylate</i>	203-347-8	1 - 2 %	H411	11, 15
104-55-2 <i>Cinnamal</i>	203-213-9	0.1 - 1.0 %	H303; H312; H315; H317; H319	10, 12, 16, 26, 31, 36
8015-91-6 <i>Cinnamomum Zeylanicum (Cinnamon Leaf Oil), ext.</i>	283-479-0	0.1 - 1.0 %	H227; H303; H313; H316; H319; H341; H350; H412	11, 15, 31

See Section 16 for full text of GHS classification codes

Total Hydrocarbon Content (% w/w) = 2.54

4. First Aid Measures

4.1 Description of first aid measures

Inhalation: Remove from exposure site to fresh air and keep at rest. Obtain medical advice.

Eye Exposure: Flush immediately with water for at least 15 minutes. Contact physician if symptoms persist.

Skin Exposure: Remove contaminated clothes. Wash thoroughly with water (and soap). Contact physician if symptoms persist.

Ingestion: Rinse mouth with water and obtain medical advice.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms: no data available

Risks: Refer to Section 2.2 "Hazard Statements"

4.3 Indication of any immediate medical attention and special treatment needed

Treatment: Refer to Section 2.2 "Response"

5. Fire-Fighting measures

5.1 Extinguishing media

Suitable: Carbon dioxide (CO₂), Dry chemical, Foam

Unsuitable: Do not use a direct water jet on burning material

5.2 Special hazards arising from the substance or mixture

During fire fighting: Water may be ineffective

5.3 Advice for firefighters

Further information: Standard procedure for chemical fires

Safety Data Sheet

SDS Type: GHS / OSHA

DOC ID: 41022.400738.475352

Product: **Musk**
Product#: **114196**
SKU#: **mus**

Page 5 of 8
2014-01-29

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid inhalation and contact with skin and eyes. A self-contained breathing apparatus is recommended in case of a major spill.

6.2 Environmental precautions

Keep away from drains, soil, and surface and groundwater.

6.3 Methods and materials for containment and cleaning up

Clean up spillage promptly. Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapors. Gross spillages should be contained by use of sand or inert powder and disposed of according to the local regulations.

6.4 Reference to other sections

Not Applicable

7. Handling and Storage

7.1 Precautions for safe handling

Apply according to good manufacturing and industrial hygiene practices with proper ventilation. Do not drink, eat or smoke while handling. Respect good personal hygiene.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, dry and ventilated area away from heat sources and protected from light in tightly closed original container. Avoid plastic and uncoated metal container. Keep air contact to a minimum.

7.3 Specific end uses

No information available

8. Exposure Controls/Personal Protection

8.1 Control parameters

Exposure Limits:

Component	ACGIH TWA ppm	ACGIH STEL ppm	OSHA TWA ppm	OSHA STEL ppm
84-66-2 <i>Diethyl phthalate</i>			5	
140-11-4 <i>Benzyl acetate</i>			10	

Engineering Controls: Use local exhaust as needed.

8.2 Exposure controls - Personal protective equipment

Eye protection: Tightly sealed goggles, face shield, or safety glasses with brow guards and side shields, etc. as may be appropriate for the exposure

Respiratory protection: Avoid excessive inhalation of concentrated vapors. Apply local ventilation where appropriate.

Skin protection: Avoid Skin contact. Use chemically resistant gloves as needed.

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance: Conforms to Standard
Odor: Conforms to Standard
Color: Yellow

Safety Data Sheet

SDS Type: GHS / OSHA

DOC ID: 41022.400738.475352

Product: **Musk**
Product#: **114196**
SKU#: **mus**

Page 6 of 8
2014-01-29

Viscosity:	Liquid
Freezing Point:	Not determined
Boiling Point:	Not determined
Melting Point:	Not determined
Flashpoint:	190 F (87.78 C)
Auto flammability:	Not determined
Explosive Properties:	None Expected
Oxidizing properties:	None Expected
Vapor Pressure (mmHg@20 C):	0.0722
%VOC:	9.78
Specific Gravity @ 25 C:	1.0025
Density @ 25 C:	0.9995
Refractive Index @ 25 C:	1.4975
Soluble in:	Oil

10. Stability and Reactivity

10.1 Reactivity	None
10.2 Chemical stability	Stable
10.3 Possibility of hazardous reactions	None known
10.4 Conditions to avoid	None known
10.5 Incompatible materials	Strong oxidizing agents, strong acids, and alkalis
10.6 Hazardous decomposition products	None known

11. Toxicological Information

11.1 Toxicological Effects

Acute toxicity - Oral	(LD50: 3,546.10) May be harmful if swallowed
Acute toxicity - Dermal	(LD50: 2,393.89) May be harmful in contact with skin
Acute toxicity - Inhalation	(LC50: 13.95) Harmful if inhaled
Skin corrosion / irritation	Causes skin irritation
Serious eye damage / irritation	Causes serious eye irritation
Respiratory sensitization	Not classified - the classification criteria are not met
Skin sensitization	May cause an allergic skin reaction
Germ cell mutagenicity	Not classified - the classification criteria are not met
Carcinogenicity	May cause cancer
Reproductive toxicity	Not classified - the classification criteria are not met
Specific target organ toxicity - single exposure	Not classified - the classification criteria are not met
Specific target organ toxicity - repeated exposure	Not classified - the classification criteria are not met
Aspiration hazard	Not classified - the classification criteria are not met

Safety Data Sheet

SDS Type: GHS / OSHA

DOC ID: 41022.400738.475352

Product: **Musk**
Product#: **114196**
SKU#: **mus**

Page 7 of 8
2014-01-29

12. Ecological Information

12.1 Toxicity

Acute aquatic toxicity	
Chronic aquatic toxicity	Toxic to aquatic life with long lasting effects
Toxicity Data on soil	no data available
Toxicity on other organisms	no data available
12.2 Persistence and degradability	no data available
12.3 Bioaccumulative potential	no data available
12.4 Mobility in soil	no data available
12.5 Other adverse effects	no data available

13. Disposal Conditions

13.1 Waste treatment methods

Do not allow product to reach sewage systems. Dispose of in accordance with all local and national regulations. Send to a licensed waste management company. The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container.

14. Transport Information

Regulator	Class	Pack Group	Sub Risk	UN-nr.
U.S. DOT (Non-Bulk) Chemicals NOI	Not Regulated - Not Dangerous Goods			
ADR/RID (International Road/Rail) Environmentally Hazardous Liquid, n.o.s.	Substance, 9	III		UN3082
IATA (Air Cargo) Environmentally Hazardous Liquid, n.o.s.	Substance, 9	III		UN3082
IMDG (Sea) Environmentally Hazardous Liquid, n.o.s.	Substance, 9	III		UN3082

15. Regulatory Information

U.S. Federal Regulations:

TSCA (Toxic Substance Control Act):	All components of the substance/mixture are listed or exempt
40 CFR(EPCRA, SARA, CERCLA and CAA) 84-66-2 201-550-6 20 - 30 %	This product contains the following components: Diethyl phthalate

U.S. State Regulations:

California Proposition 65 Warning 94-59-7 202-345-4 <= 16 ppm	This product contains the following components: Safrole (NFS)
---	--

Safety Data Sheet

SDS Type: GHS / OSHA

DOC ID: 41022.400738.475352

Product: **Musk**
Product#: **114196**
SKU#: **mus**

Page 8 of 8
2014-01-29

93-15-2 202-223-0 <= 7 ppm Methyl eugenol (NFS)

Canadian Regulations:

DSL / NDSL 100.00% of the components are listed or exempt.

16. Other Information

GHS H-Statements referred to under section 3

H226 : Flammable liquid and vapour	H227 : Combustible liquid
H302 : Harmful if swallowed	H303 : May be harmful if swallowed
H304 : May be fatal if swallowed and enters airways	H312 : Harmful in contact with skin
H313 : May be harmful in contact with skin	H315 : Causes skin irritation
H316 : Causes mild skin irritation	H317 : May cause an allergic skin reaction
H319 : Causes serious eye irritation	H341 : Suspected of causing genetic defects
H350 : May cause cancer	H351 : Suspected of causing cancer
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	

Total Fractional Values

(TFV) Risk	(TFV) Risk
(9.05) Aquatic Acute Toxicity, Category 2	(2.27) Skin Corrosion/Irritation, Category 2
(8.50) Sensitization, Skin, Category 1A	(4.54) Eye Damage/Eye Irritation, Category 2A
(1.36) Carcinogenicity, Category 1B	(7.29) Aquatic Chronic Toxicity, Category 2

Department issuing data sheet:

Department E-mail address:

Remarks

This safety data sheet is based on the properties of the material known to Wellington Fragrance at the time the data sheet was issued. The safety data sheet is intended to provide information for a health and safety assessment of the material and the circumstances, under which it is packaged, stored or applied in the workplace. For such a safety assessment Wellington Fragrance holds no responsibility. This document is not intended for quality assurance purposes.