

**1. Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

Trade Name: HAVANA

Product/Sales No: 5252914

**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**

Manufacturer: Saffire Blue inc.  
1444 Bell Mill Side Road  
Tillsonburg, ON  
N4G4G9  
Canada

**1.4 Emergency telephone number****(613)-996-6666 CANUTEC 24 HOUR EMERGENC****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 and (EC) No 1272/2008 (CLP)**

Flammable Liquids, Category 4	H227: Combustible liquid
Acute Toxicity Oral, Category 4	H302: 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 5	H333: May be harmful if inhaled
Aquatic Acute Toxicity, Category 1	H400: Very Toxic to aquatic life
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 15 : May cause
Acute Oral	3 : May be harmful if swallowed or if aspirated into the lungs
Sensitization/Allergic Response	31 : May cause allergic skin reaction.
Target Organ Effects	26 : Prolonged or repeated ingestion may cause damage to: kidneys, liver 28 : Prolonged or repeated Dermal Exposure may cause damage to: kidneys, skin
Carcinogenicity	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: Warning****Hazard statements**

H227	Combustible liquid
H302	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
H333	May be harmful if inhaled
H400	Very Toxic to aquatic life
H411	Toxic to aquatic life with long lasting effects

**Precautionary Statements****Prevention:**

P235	Keep cool
P264	Wash hands thoroughly after handling
P270	Do not eat, drink or smoke when using this product
P272	Contaminated work clothing should not be allowed out of the workplace
P273	Avoid release to the environment

**Response:**

P301 + P312 + P330	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell Rinse mouth
P302 + P352	IF ON SKIN: Wash with soap and water
P304 + P312	IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes Remove contact lenses if present and easy to do. continue rinsing
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
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
<b>120-51-4</b> <i>Benzyl Benzoate</i>	204-402-9	50 - 60 %	H302; H313; H400; H411	28, 3
<b>78-70-6</b> <i>Linalool</i>	201-134-4	5 - 10 %	H227; H303; H315; H319; H402	12, 26
<b>8000-27-9</b> <i>Juniperus Virginiana Oil</i>	285-370-3	2 - 5 %	H304; H316; H400; H401; H410; H411	3
<b>24851-98-7</b> <i>Methyldihydrojasmonate</i>	246-495-9	2 - 5 %	H402	
<b>28219-60-5</b> <i>2-Methyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol</i>	248-907-2	2 - 5 %	H319; H400; H410	
<b>115-95-7</b> <i>Linalyl acetate</i>	204-116-4	2 - 5 %	H227; H315; H319; H401; H402	
<b>121-32-4</b> <i>Ethyl vanillin</i>	204-464-7	2 - 5 %	H303; H320; H402	
<b>1205-17-0</b> <i>a-Methyl-1,3-benzodioxole-5-propionaldehyde</i>	214-881-6	2 - 5 %	H303; H317; H401; H411	
<b>68917-33-9</b> <i>Lemon oil terpenes</i>	284-515-8	2 - 5 %	H226; H304; H315; H400; H410	12, 3, 31
<b>106-22-9</b> <i>Citronellol</i>	203-375-0	1 - 2 %	H303; H313; H315; H317; H319; H401	11, 15
<b>100-86-7</b> <i>Dimethyl benzyl carbinol (alpha,alpha-Dimethylphenethyl alcohol)</i>	202-896-0	1 - 2 %	H227; H302; H316	
<b>10094-34-5</b> <i>a ,a-Dimethylphenethyl butyrate</i>	233-221-8	1 - 2 %	H316; H401; H411	11, 15
<b>105-95-3</b> <i>Ethylene brassylate</i>	203-347-8	1 - 2 %	H401	11, 15
<b>63500-71-0</b> <i>TETRAHYDRO-METHYL-METHYLPROPYL)-PYRAN-4-OL</i>	405-040-6	1 - 2 %	H319	
<b>80-54-6</b> <i>Butylphenyl Methylpropional</i>	201-289-8	0.1 - 1.0 %	H227; H302; H315; H317; H361; H401; H411	11, 15, 26, 28, 3, 31, 39
<b>57378-68-4</b> <i>delta-1-(2,6,6-Trimethyl-3-cyclohexen-1-yl)-2-buten-1-one (delta-Damascone)</i>	260-709-8	0.1 - 1.0 %	H302; H315; H317; H318; H400; H410	11, 15, 31

See Section 16 for full text of GHS classification codes

Total Hydrocarbon Content (% w/w) = 3.12

## 4. First Aid Measures

### 4.1 Description of first aid measures

<b>Inhalation:</b>	Remove from exposure site to fresh air and keep at rest. Obtain medical advice.
<b>Eye Exposure:</b>	Flush immediately with water for at least 15 minutes. Contact physician if symptoms persist.
<b>Skin Exposure:</b>	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 (CO<sub>2</sub>), 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

### **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:** Contains no substances with occupational exposure limit values

**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**

<b>Appearance:</b>	Conforms to Standard
<b>Odor:</b>	Conforms to Standard
<b>Color:</b>	Nearly Colorless to Yellow Tint
<b>Viscosity:</b>	Liquid
<b>Freezing Point:</b>	Not determined
<b>Boiling Point:</b>	Not determined
<b>Melting Point:</b>	Not determined
<b>Flashpoint (CCCFP):</b>	199 F (92.78 C)
<b>Auto flammability:</b>	Not determined
<b>Explosive Properties:</b>	None Expected
<b>Oxidizing properties:</b>	None Expected
<b>Vapor Pressure (mmHg@20 C):</b>	-1
<b>%VOC:</b>	-1
<b>Specific Gravity @ 25 C:</b>	1.0370
<b>Density @ 25 C:</b>	1.0340
<b>Refractive Index @ 20 C:</b>	1.5270
<b>Soluble in:</b>	Oil

**10. Stability and Reactivity**

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

**11. Toxicological Information****11.1 Toxicological Effects**

Acute Toxicity Estimates (ATEs) based on the individual Ingredient Toxicity Data utilizing the "Additivity Formula"

<b>Acute toxicity - Oral - (Rat) mg/kg</b>	(LD50: 1,922.11) Harmful if swallowed
<b>Acute toxicity - Dermal - (Rabbit) mg/kg</b>	(LD50: 3,890.28) May be harmful in contact with skin
<b>Acute toxicity - Inhalation - (Rat) mg/L/4hr</b>	(LC50: 69.47) May be harmful if inhaled
<b>Skin corrosion / irritation</b>	Causes skin irritation
<b>Serious eye damage / irritation</b>	Causes serious eye irritation
<b>Respiratory sensitization</b>	Not classified - the classification criteria are not met
<b>Skin sensitization</b>	May cause an allergic skin reaction
<b>Germ cell mutagenicity</b>	Not classified - the classification criteria are not met
<b>Carcinogenicity</b>	Not classified - the classification criteria are not met
<b>Reproductive toxicity</b>	Not classified - the classification criteria are not met
<b>Specific target organ toxicity - single exposure</b>	Not classified - the classification criteria are not met
<b>Specific target organ toxicity - repeated exposure</b>	Not classified - the classification criteria are not met
<b>Aspiration hazard</b>	Not classified - the classification criteria are not met

**12. Ecological Information****12.1 Toxicity**

<b>Acute aquatic toxicity</b>	Very Toxic to aquatic life
<b>Chronic aquatic toxicity</b>	Toxic to aquatic life with long lasting effects
<b>Toxicity Data on soil</b>	no data available
<b>Toxicity on other organisms</b>	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

U.S. DOT (Non-Bulk)

Class

Not Regulated - Not Dangerous Goods

Pack Group

Sub Risk

UN-nr.



Chemicals NOI

**ADR/RID (International Road/Rail)**

Environmentally Hazardous Substance, 9 III UN3082  
Liquid, n.o.s.

**IATA (Air Cargo)**

Environmentally Hazardous Substance, 9 III UN3082  
Liquid, n.o.s.

**IMDG (Sea)**

Environmentally Hazardous Substance, 9 III UN3082  
Liquid, n.o.s.

**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)** This product contains NO components of concern.

**U.S. State Regulations:**

**California Proposition 65 Warning** This product contains the following components:  
123-35-3(NF 204-622-5 0.01 - 0.1% beta-Myrcene (NFS)

**Canadian Regulations:**

**DSL / NDSL** 99.95% of the components are listed or exempt.  
67801-20-1 267-140-4 0.01 - 0.1% 3-Methyl-5-(2,2,3-trimethyl-3-cyclopenten-1-yl)pent-4-en-2-ol

**16. Other Information**

**GHS H-Statements referred to under section 3**

**Total Fractional Values**

(TFV) Risk (TFV) Risk  
(1.77) Skin Corrosion/Irritation, Category 2 (2.00) Sensitization, Skin, Category 1A  
(2.77) Eye Damage/Eye Irritation, Category 2A (2.67) Aquatic Acute Toxicity, Category 1  
(6.98) Aquatic Chronic Toxicity, Category 2

**Department issuing data sheet:** Regulatory Affairs Group

Remarks

This safety data sheet is based on the properties of the material known to Saffire Blue inc. 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 Saffire Blue inc. holds no responsibility. This document is not intended for quality assurance purposes.



SAFFIRE BLUE *inc.*

# Safety Data Sheet

Product: **Havana**

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