**** MATERIAL SAFETY DATA SHEET ****

DIHYDROMYRCENOL

Section 1 - Chemical Product and Company Identification

MSDS Name : Dihydromyrcenol

Synonyms : 2,6-dimethyloct-7-en-2-ol

Company Identification THE AROMAVERSE-FZCO
A6-3648479202, Premises No. A6-003-B ,
IFZA Business Park, DDP. DUBAI,UNITED ARAB EMIRATES.
Email: info@aromaverse.net

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	%	EINECS#	
18479-58-8	Dihydromyrcenol	99%Min	242-362-4	

2.1. Classification of the substance

Classification according to Regulation (EC) No 1272/2008 (CLP):

Eye Irritation, Category 2; H319
Skin Irritation, Category 2; H315
STOT Single Exp.
Category 3; H336

Additional Information:

For full text of H-phrases: see sub-section 2.2

2.2. Label elements

Labeling according to Regulation (EC) No 1272/2008 (CLP):

Hazard pictogram:

Signal : Warning!

Hazard statements:

H315: Causes skin irritation

H319: Causes serious eye irritation

H336: May cause drowsiness or dizziness.

Precautionary statements:

P264 Wash hands thoroughly after handling

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P302 + P352 IF ON SKIN: Wash with soap and water.

P305 + P351 + P338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

P332 + P313 If skin irritation occurs: Get medical advice/attention.

P337 + P313 If eye irritation persists: Get medical advice/attention. P362 Take off contaminated clothing and wash before reuse.

2.3. Other hazards

Not known

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

POTENTIAL HEALTH EFFECTS

Eye	May cause irritation in the eyes
Skin	May cause irritation on the skin
Ingestion	Not Available
Inhalation	Not Available
Chronic	Not Known

Section 4 - First aid Measures

Eyes	Rinse immediately with plenty of water for 10 minutes at least.
Skin	Wash thoroughly with soap and water; flush with plenty of water.
Ingestion	Wash the mouth with water; seek medical advice immediately.
Inhalation	Move from exposure site to fresh air and keep at rest.

Notes to Physician Treat symptomatically.

Section 5 - Fire Fighting Measures

General Information Closed containers may build up pressure at elevated temperatures. If possible, containers should be cooled with a water spray.

Extinguishing Media CO2, foam, dry chemicals.

Section 6 - Accidental Release Measures

General Information Prevent any contact with hot surfaces. Do not approach facing the wind.

Spills/Leaks Contain spilled material. Cover with an inert, non-combustible, inorganic absorbent material.

Section 7 - Handling and Storage

Handling Apply according to good manufacturing and industrial hygiene practices with proper ventilation.

Storage Store in cool, dry and ventilated area away from heat sources and protected from light in tightly closed original container.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls Ensure good ventilation of the work station.

PERSONAL PROTECTIVE EQUIPMENT

Eyes Use safety glasses.

Skin Avoid skin contact. Use chemical resistant gloves as needed.

Respirators Wear a NIOSH/MSHA or European Standard EN 149 approved full-facepiece airline respirator in the positive pressure mode with emergency escape provisions

Section 9 - Physical and Chemical Properties

9.1 . Information on basic physical and chemical properties

Appearance	colorless liquid
Odour	Floral, citrus, lime, sweet, herbal, orange note in end
Odour threshold	No data available
pH	No data available
Melting point/freezing point	<-20 °C at 1013 hPa (Method: EC Method A1/OECD 102)
Boiling point	193 °C at 100.9 kPa (Method: EC Method A2/OECD 103)
Flash point	76-86 °C at 1013 hPa (Method: equilibrium method closed cup EU Method A.9 (Flash-Point)
Evaporation rate	No data available
Flammability (solid, gas)	Not applicable as the physical state of the material is liquid
Vapour pressure	0.1 kPa (@ 20 °C) (Method: EC Method A4)
Vapour Density	No data available
Relative density	0.832 at 20°C (Method: EC Method A3/OECD 109)
Solubility(ies)	Water solubility: 0.939 g/L at 20 °C Method: (EC Method A6/OECD 105)
Partition coefficient: noctanol/water	Log Kow (Pow): 3.25 at 40 °C (Method: EC Method A8/OECD 117)
Auto-ignition temperature	306 °C at 99.71-99.85 kPa (Method: EC Method A15)
Decomposition temperature	No data available
Viscosity	Viscosity at 20°C: 12.2 mm^2/s (static) (Method: OECD 114)

Explosive properties	Non-explosive
Oxidising properties	Non-oxidising

9.2. Other information Not available

Section 10 - Stability and Reactivity

Chemical Stability	Stable under normal temp and pressure.
Conditions to Avoid	Avoid contact with strong acids, alkali or oxidizing agents.
Incompatibilities with Other Materials	strong acids, alkali or oxidizing agents.
Hazardous Decomposition Products	Carbon Monoxide and carbon Dioxide
Hazardous Polymerization	Not Known.

Section 11 - Toxicological Information

11.1. Information on toxicological effects

Acute toxicity:

Rat Oral LD50: 3.6 g/kg bwt (Remarks: read-across from analogue substance: myrcenol, dihydro derivative) Rabbit Dermal LD50: > 5 g/kg bwt ((Remarks: read-across from analogue substance: myrcenol, dihydro derivative)
Dihydromyrcenol does not meet the criteria for classification as a acute toxic in accordance with Directive 67/548/EEC & EU CLP (Regulation (EC) No. 1272/2008.

Skin corrosion/irritation:

Based on skin irritation testing with dimyrcetol (group mean erythema irritation score of 2 or greater), dihydromyrcenol would be rated a primary dermal irritant under the EU Directive 67/548/EEC. It would be assigned a rating of Xi:R38 (Irritating to skin). Dihydromyrcenol would not be classified for skin irritation under the EU CLP criteria, given that no mean scores for erythema/eschar or for edema were in excess of 2. However, according to the harmonized translation table in

Annex VII of EU CLP (Regulation (EC) No. 1272/2008), dihydromyrcenol would be rated a Skin Irritant, Category 2.

Serious eye damage/irritation:

Dihydromyrcenol would not be rated an eye irritant under the EU Directive 67/548/EEC. This is based on mean corneal opacity scores of less than 2; mean scores for iris lesions of less than 1; mean conjunctival redness scores of less than 2.5; and mean conjunctival chemosis scores of less than 2 under draize test.. Dihydromyrcenol would be classified for eye irritation (Category 2) under the EU CLP criteria (Regulation (EC) No. 1272/2008) based on a mean corneal opacity score of >1. **Respiratory or skin sensitization:**

Dihydromyrcenol does not meet the criteria for classification as a respiratory or skin sensitizer in accordance with Directive 67/548/EEC & EU CLP (Regulation (EC) No. 1272/2008. **Germ cell mutagenicity:**

Dihydromyrcenol does not meet the criteria for classification as a mutagen in accordance with Directive 67/548/EEC & EU CLP (Regulation (EC) No. 1272/2008.
Carcinogenicity:

Dihydromyrcenol does not meet the criteria for classification as a carcinogen in accordance with Directive 67/548/EEC & EU CLP (Regulation (EC) No. 1272/2008.
Reproductive toxicity:

Dihydromyrcenol does not meet the criteria for classification as a reproductive or developmental toxic in accordance with Directive 67/548/EEC & EU CLP (Regulation (EC) No. 1272/2008.

STOT-single exposure: Dihydromyrcenol is estimated to be of low toxicity following single exposures based on testing results with analogue chemicals in rats (oral) or rabbits (dermal). The available information is considered inadequate for classification for acute effects.

STOT-repeated exposure: Based on generally minimal toxicological effects noted in repeated dose studies at dose levels below 500 mg/kg bwt/day, and in accordance with Directive 67/548/EEC & EU CLP (Regulation (EC) No. 1272/2008), dihydromyrcenol is not classified for Specific Target Organ Toxicity following repeated exposure.

Aspiration Hazard: In accordance with Directive 67/548/EEC and EU CLP Regulation (EC) No. 1272/2008, dihydromyrcenol does not meet the criteria for classification as an aspiration hazard.

Section 12 - Ecological Information

Other .None Available.

Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

Section 14 - Transport Information

	IATA	IMO	RID/ADR
Shipping Name:	Not Regulated	Not Regulated	Not Regulated
Hazard Class:			
UN Number:			

Section 15 - Regulatory Information

European/International Regulations:

European Labeling in Accordance with EC Directives

Hazard Symbols:

Risk Phrases: R20/21/22

R36/37/38

Safety Phrases: Not Available.

United Kingdom Occupational Exposure Limits: Not Known.

Canada : Product is on the DSL list.

Exposure Limits

US FEDERAL

TSCA : Product is listed on the TSCA list.

Section 16 - Additional Information

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages. ----------