



## SAFETY DATA SHEET

### **SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE**

#### **1.1 Product Identification**

**Product Name:** Karmel Concentrate  
**Trade Name:** Karmel Concentrate  
**Synonyms:** Karmel Flavouring

#### **1.2 Identified Use of Substance/Mixture**

Manufacturing of flavourings of e-liquids for use in electronic cigarettes.

Do not use this product for any other purpose.

#### **1.3 Details of SDS Supplier**

Decadent Vapours Ltd  
Unit 12 Llwyn Y Graig  
Garn Goch Ind Est  
Gorseinon  
Swansea  
SA4 9WG

Tel: 01792 773339  
Email: [info@decadentvapours.com](mailto:info@decadentvapours.com)

### **SECTION 2 - Hazard Identification**

#### **2.1. Classification of the substance or mixture**

2.1.1 Classification according to Directive 1999/45/EEC:  
Classification: Nonhazardous

Nature of special risks attributed: None in particular.

#### **2.2. Label elements**

Labelling according to Directive (EC) No 1999/45:  
Provided symbols: No hazard symbol expected  
Attributed risk: The product does not introduce specific risks.

Precautionary statements: No safety advice provided.





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### 2.3. Other hazards

Substance/mixture meets the criteria for PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII  
No information on other hazards

### Section 3 – Composition/Information of Components

Substance	Concentration	Classification	Index	CAS	EINECS
Fermented Tobacco Absolute	≤1%	N/A	N/A	N/A	N/A
Vanillin	0.1% ≤ 0.2%	N/A	N/A	121-33-5	204-465-2
Ethyl maltol	0.1% ≤ 0.2%	N/A	N/A	4940-11-8	N/A
Tetramethylpyrazine	0.1% ≤ 0.2%	N/A	N/A	1124-11-4	214-391-2
Methylbutyric acid 2	0.1% ≤ 0.2%	N/A	N/A	116-53-0	204-145-2
Damascenone	≤0.1%	N/A	N/A	23696-85-7	245-833-2
Anethole	≤0.01%	N/A	N/A	4180-23-8	224-052-0

This product contains the following identified compounds; Palmitic Acid, Linoleic Acid and Oleic Acid. These compounds are of a concentration, which deems them as unnecessary to be listed.

### Section 4 – First aid measures

#### 4.1. Description of first aid measures

Inhalation: Air the area. Move immediately the contaminated person from the area and keep at rest in a well ventilated area. If you feel unwell seek medical advice.

Skin Contact: Wash thoroughly with soap and running water.

Direct contact with eyes: Wash immediately and thoroughly with running water for at least 10 minutes.

Ingestion: Do not induce vomiting. Give patient plenty of water.

#### 4.2. Most important symptoms and effects, both acute and delayed

No data available.

#### 4.3. Indication of any immediate medical attention and special treatment needed

No data available.





## **Section 5 - Firefighting Measures**

### **5.1. Extinguishing media**

Advised extinguishing agents: Water spray, CO2, foam, dry chemical, depending on the materials involved in the fire.

Extinguishing means to avoid: Water jets. Use water jets only to cool the surfaces of the containers exposed to fire.

### **5.2. Special hazards arising from the substance or mixture**

No data available.

### **5.3. Advice for firefighters**

Use protection for the breathing apparatus  
Safety helmet and full protective suit.

The spray water can be used to protect the people involved in the extinction  
You may also use self respirator, especially when working in confined and poorly ventilated area and if you use halogenated extinguishers (Halon 1211 fluobrene, Solkan 123, NAF, etc...)  
Keep containers cool with water spray.

## **Section 6 - Accidental release measures**

### **6.1. Personal precautions, protective equipment and emergency procedures**

6.1.1 For non-emergency personnel:  
Wear gloves and protective clothing

6.1.2 For emergency responders:  
Wear gloves and protective clothing  
Eliminate all unguarded flames and possible sources of ignition. No smoking.  
Provision of sufficient ventilation.  
Evacuate the danger area and, in case, consult an expert.

### **6.2. Environmental precautions**

Contain spill with earth or sand.  
If the product has entered a watercourse in sewers or has contaminated soil or vegetation, notify it to the local authorities.  
Discharge the remains in compliance with the regulations

### **6.3. Methods and material for containment and cleaning up**

6.3.1 Containment:  
Rapidly recover the product, wear a mask and protective clothing





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Recover the product for removal. Possibly absorb it with inert material. Prevent it from entering the sewer system.

**6.3.2 For cleaning up:**

After wiping up, wash with water the area and materials involved. Dispose of cleaning materials according to local procedures.

**6.3.3 Other information:**

None in particular.

**6.4. Reference to other sections**

Refer to paragraphs 8 and 13 for more information

**Section 7 – Handling and storage**

**7.1. Precautions for safe handling**

Avoid contact and inhalation of vapours. See also paragraph 8 below.  
Do not eat or drink while handling this product.

**7.2. Conditions for safe storage, including any incompatibilities**

Keep in original container closed tightly. Do not store in open or unlabeled containers. Keep containers upright and safe by avoiding the possibility of falls or collisions. Store in a cool place, away from sources of heat and direct exposure of sunlight. Immediately removed contaminated work clothing.

**Section 8 – Exposure Controls/Personal Protection**

Personal Protection Measures:

a) Eye/Face Protection – Safety Glasses

b) Skin Protection

i) Hand Protection – Wear chemical resistant gloves. Product may stain hands.

ii) Other Protection – Wear protective laboratory clothing.

c) Respiratory Protection – No protection required during use.

Environmental exposure controls:

Use according to good working practices to avoid pollution into the environment.





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## **Section 9 – Physical and Chemical Properties**

### **9.1. Information on basic physical and chemical properties**

<b><u>Physical/Chemical Property</u></b>	<b><u>Result</u></b>
Appearance	Pale Brown clear liquid
Odour	Tobacco like
pH	Not determined
Melting/Freezing Point	Not determined
Boiling Point	Not determined
Boiling Range	Not determined
Flammability	Not determined
Flash Point	Not determined
Explosive Limits	Not determined
Auto-ignition Limit	Not determined
Vapour Pressure	Not determined
Vapour Density	Not determined
Relative Density	Undefined
Solubility	Water, Propylene Glycol, Glycerol
Water Solubility	Yes
Partition Coefficient: Octanol/Water	Not determined
Decomposition Temperature	Not determined
Viscosity	Not determined
Explosive Properties	Not determined
Oxidising Properties	Not determined

### **9.1 Other Information**

No data available

## **Section 10 – Stability and Reactivity**

### **10.1. Reactivity**

No reactivity hazards

### **10.2. Chemical stability**

No hazardous reaction when handled and stored according to provisions.

### **10.3. Possibility of hazardous reactions**

There are no hazardous reactions

### **10.4. Conditions to avoid**

Nothing to report





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#### **10.5. Incompatible materials**

It can generate inflammable gases to contact with elementary metals, nitrides, inorganic sulphide, strong reducing agents. It can generate toxic gases to contact with inorganic sulphide, strong reducing agents.

#### **10.6. Hazardous decomposition products**

Does not decompose when used for intended uses.

### **Section 11- Toxicological Information**

#### **11.1. Information on toxicological effects**

- (a) acute toxicity: not applicable
- (b) irritation: not applicable
- (c) corrosivity: not applicable
- (d) sensitisation: The product, if brought into contact with skin can cause skin sensitization.
- (e) repeated dose toxicity;: not applicable
- (f) carcinogenicity: not applicable
- (g) mutagenicity: not applicable
- (h) toxicity for reproduction: not applicable

### **SECTION12 – Ecological Information**

#### **12.1. Toxicity**

No data is available for this mixture as a whole. None of the major components is acutely toxic to aquatic organisms.

#### **12.2. Persistence and degradability**

Material is readily biodegradable. Biodegradation may occur under aerobic and/or anaerobic conditions (in the presence and/or absence of oxygen).

#### **12.3. Bioaccumulative potential**

No data suggests that bioaccumulation is likely.

#### **12.4. Mobility in soil**

The components are all miscible with water and will remain in the water phase.

#### **12.5. Other adverse effects**

No adverse effects

### **Section 13 – Disposal Considerations**

#### **13.1. Waste treatment methods**

Do not reuse empty containers. Dispose of them in accordance with the regulations in force. Any remaining product should be disposed of according to applicable regulations





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by addressing to authorized companies. Recover if possible. Send to authorized discharge plants or for incineration under controlled conditions. Operate according to local and National rules in force.

## **Section 14 - Transport Information**

### **14.1. UN number**

Not applicable.

### **14.2. UN proper shipping name**

None.

### **14.3. Transport hazard class(es)**

Not included in the scope of application regulations concerning the transport of dangerous goods: by road (ADR); by rail (RID); by air (ICAO / IATA); by sea (IMDG).

### **14.4. Packing group**

Not applicable.

### **14.5. Environmental hazards**

Not applicable.

### **14.6. Special precautions for user**

No data available.

### **14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

This product is not intended for bulk transportation.

## **SECTION15. Regulatory information**

### **15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

No data available.

### **15.2. Chemical safety assessment**

COSHH Assessment carried out Decadent Vapours determines this product is of Low risk providing Section 7 and 8 of this SDS are followed.

## **Section 16 - Other Information**

Classification based on data of all mixture components.

