

Safety Data Sheet

Printing date 28.10.2009

Revision: 28.10.2009

1 Identification of the substance/preparation and of the company/undertaking· **Product details**· **Trade name:** EIGARETTE FLAVOR ESSENCE· **Article number:** EIGARETTE-090618· **Registration number:** Not available· **Application of the substance / the preparation:** EIGARETTE(E CIGARETTE) CARTRIDGES· **Manufacturer/Supplier:**

SHENZHEN MICROCIG INNOVATION TECHNOLOGY CO., LTD

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· **Email:** TJH20062008@126.COM· **Reference Number:** GZHGR2009030052; GZ0910097971/CHEM**2 Hazards identification**· **Hazard description:** Not Applicable· **Information concerning particular hazards for human and environment:**

The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

· **Classification system:**









The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

3 Composition/information on ingredients· **Chemical characterization**· **Description:**

Mixture of the substances listed below with nonhazardous additions.

For the wording of listed risk phrases refer to section 16.

· **Dangerous components:**

CAS: 123-32-0 EINECS: 204-618-3	2,5-dimethylpyrazine	 Xn; R 22	≤0,5%
CAS: 22047-25-2 EINECS: 244-753-5	pyrazin-1-ylethan-1-one	 Xi; R 36/37/38	≤0,5%
CAS: 4940-11-8 EINECS: 225-582-5	2-ethyl-3-hydroxy-4-pyrone	 Xn; R 22	≤0,1%
CAS: 138-86-3 EINECS: 205-341-0 EU number: 601-029-00-7	dipentene	 Xi,  N; R 10-38-43-50/53	≤0,1%
CAS: 89-78-1 EINECS: 201-939-0	menthol	 Xn; R 22	≤0,1%
CAS: 99-49-0 EINECS: 202-759-5	d-p-mentha-1(6),8-dien-2-one	 Xn; R 22	≤0,1%
CAS: 16957-70-3 EINECS: 241-026-4	(E)-2-methylpent-2-en-1-oic acid	 C; R 34	≤0,1%

· **Non-dangerous components:**

CAS: 56-81-5 EINECS: 200-289-5	glycerol	98,3%
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CAS: 555-10-2 EINECS: 209-081-9	3-methylene-6-(1-methylethyl)cyclohexene	≤0,1%
CAS: 89-48-5 EINECS: 201-911-8	menthyl acetate	≤0,1%

4 First aid measures

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.

5 Fire-fighting measures

- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
- **Protective equipment:** Wear fully protective suit.

6 Accidental release measures

- **Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:** Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **Additional information:** See Section 7 for information on safe handling.

7 Handling and storage

- **Handling**
- **Information for safe handling:** Prevent formation of aerosols.
- **Information about fire - and explosion protection:** Keep ignition sources away - Do not smoke.
- **Storage**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:** Store away from oxidizing agents.
- **Further information about storage conditions:** Protect from heat and direct sunlight.

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.

- **Ingredients with limit values that require monitoring at the workplace:**

56-81-5 glycerol

PEL (USA)	15* 5** mg/m ³ *total dust **respirable fraction
TLV (USA)	10* ppm *Mist
MAK (Germany)	50E mg/m ³

- **DNELs:** Not available
- **PNECs:** Not available
- **Additional information:** The lists valid during the making were used as basis.

- **Personal protective equipment**

- **General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

- **Respiratory protection:** Suitable respiratory protective device recommended.

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· Protection of hands:

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· Penetration time of glove material:

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· Eye protection: Goggles recommended during refilling

9 Physical and chemical properties

· General Information

Form:	Viscous Liquid
Colour:	Lt. Yellow to Lt. Brown
Odour:	Fruits/sweet

· Change in condition

Melting point/Melting range:	-27°C
Boiling point/Boiling range:	210-211°C

· Flash point:	79°C
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· Flammability (solid, gaseous):	Not available
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· Ignition temperature:	400°C
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· Self-igniting:	Product is not selfigniting.
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· Danger of explosion:	Product is not explosive. However, formation of explosive air/ vapour mixtures are possible.
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· Explosion limits:

Lower: Not available

Upper: Not available

· Oxidizing properties	Not available
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· Vapour pressure:	Not available
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· Density:	Not available
· Relative density	1,0350-1,4010 g/cm ³
· Vapour density	26 g/cm ³
· Evaporation rate	Not available

· Solubility in / Miscibility with water:	Soluble.
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· pH-value:	6-7
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· Segregation coefficient (n-octanol/water):	Not available
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· Viscosity:	
Dynamic:	Not available

10 Stability and reactivity

· Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

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- **Dangerous reactions:** No dangerous reactions known.
- **Dangerous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Acute toxicity**

- **LD/LC50 values relevant for classification:**

4940-11-8 2-ethyl-3-hydroxy-4-pyrone

Oral	LD50	780 mg/kg (mouse)
		1150 mg/kg (rat)

89-78-1 menthol

Oral	LD50	3180 mg/kg (rat)
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56-81-5 glycerol

Oral	LD50	12600 mg/kg (rat)
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- **Primary irritant effect**
- **on the skin:** Irritating effect possible.
- **on the eye:** Irritating effect possible.
- **Sensitization:** Sensitization possible.
- **Additional toxicological information:**
The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.
When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.
- **Toxicokinetics, metabolism and distribution:** Not available
- **Acute effects (acute toxicity, irritation and corrosivity):** Not available
- **Repeated dose toxicity:** Not available
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):** Not available

12 Ecological information

- **Information about elimination (persistence and degradability):** Not available
- **Behaviour in environmental systems**
- **Mobility and bioaccumulation potential:** Not available
- **Ecotoxicological effects**
- **Aquatic toxicity:** Not available
- **General notes:**
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **PBT assessments:** Not available

13 Disposal considerations

- **Product**
- **Recommendation:** Smaller quantities can be disposed of with household waste.
- **Uncleaned packaging**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **Land transport ADR/RID (cross-border)**
- **ADR/RID class:** -

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· **Danger code (Kemler):** -
 · **UN-Number:** -
 · **Packaging group:** -
 · **Hazard label:** -
 · **Special marking:** -
 · **Description of goods:** -
 · **Limited quantities (LQ):** -
 · **Transport category:** -
 · **Tunnel restriction code:** -

· **Maritime transport IMDG**
 · **IMDG Class:** -
 · **UN Number:** -
 · **Label:** -
 · **Packaging group:** -
 · **EMS Number:** -
 · **Marine pollutant:** Yes
 · **Proper shipping name:** -

· **Air transport ICAO-TI and IATA-DGR**
 · **ICAO/IATA Class:** -
 · **UN/ID Number:** -
 · **Label:** -
 · **Special marking:** -
 · **Packaging group:** -
 · **Proper shipping name:** -

15 Regulatory information

· **Sara**

· **Section 335(extremely hazardous substances):**

None of the ingredients is listed.

· **Section 313(specific toxic chemical listings):**

None of the ingredients is listed.

· **TSCA(Toxic Substances Control Act):**

All ingredients are listed.

· **Proposition 65**

· **Chemical known to cause cancer:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **Carcinogen categories**

· **EPA(Environmental Protection Agency)**

None of the ingredients is listed.

· **IARC(International Agency for Research on Cancer)**

None of the ingredients is listed.

· **NTP(National toxicology Program)**

None of the ingredients is listed.

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· TLV(Threshold Limit Value established by ACGIH)

None of the ingredients is listed.

· NIOSH-Ca(National Institution for Occupational Safety & Health)

None of the ingredients is listed.

· OSHA-Ca(Occupational Safety & Health Administration)

None of the ingredients is listed.

· Labelling according to EU guidelines:

Observe the general safety regulations when handling chemicals.

The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials

· Special labelling of certain preparations:

Contains dipentene. May produce an allergic reaction.

Safety data sheet available for professional user on request.

16 Other information

· Relevant R-phrases

10 Flammable.

22 Harmful if swallowed.

34 Causes burns.

36/37/38 Irritating to eyes, respiratory system and skin.

38 Irritating to skin.

43 May cause sensitization by skin contact.

50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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The contents and format of this MSDS/SDS are in according with REGULATION(EC) No. 1907/2006, EU Commission Directive 1999/45/EC, 67/548/EEC.

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