Safety Data Sheet

Guidechem Chemical Network - Chemical Manufacturers,suppliers, B2B Marketplace (guidechem.com)

Printing date 01.04.2008 Revision: 01.04.2008

1 Identification of the substance/preparation and of the company/undertaking

· **Product details**

· **Trade name: Cherry Flavor Essence**
· **Registration number** Not available
· **Application of the substance / the preparation** Accessories to Electronic Atomized Cartridge

· **Manufacturer/Supplier:**
Changning DeKang Biotechnology Co., Ltd.
Level 2, LinJie Building, Shilichang Street, XiShan District, Kunming City, PRC
Tel: 0871-4570889
Fax: 0871-4578499

· **Further information obtainable from:** Changning DeKang Biotechnology Co., Ltd.
· **Information in case of emergency:**
Jide Yao
MP: 15889526318
· **Email:** yndk_168@yahoo.com.cn
· **Reference Number:** SHD2804057(GLHGR080302595CM); SH8040394/CHEM

2 Hazards identification

· **Hazard description:**

F Highly flammable

· **Information concerning particular hazards for human and environment:**
The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
R 11 Highly flammable.
· **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 substances listed below with nonhazardous additions.
For the wording of the listed risk phrases refer to section 16.

· **Dangerous components:**

CAS: 64-17-5 EINECS: 200-578-6 EU Number: 603-002-00-5	ethanol	Xi, F; R 11-36	10,0%
CAS: 6915-15-7 EINECS: 230-022-8	malic acid	Xi; R 36/38	3,0%
CAS: 80-71-7 EINECS: 201-303-2	2-hydroxy-3-methylcyclopent-2-enone	Xn; R 22	2,5%
CAS: 121-33-5 EINECS: 204-465-2	vanillin	Xn; R 22	2,5%
CAS: 1124-11-4 EINECS: 214-391-2	2,3,5,6-tetramethylpyrazine	Xn; R 22	1,5%
CAS: 89-78-1 EINECS: 201-939-0	menthol	Xn; R 22	1,0%
CAS: 1122-62-9 EINECS: 214-355-6	methyl 2-pyridyl ketone	Xi; R 38	0,2%

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· **Non-dangerous component:**		
CAS: 57-55-6 EINECS: 200-338-0	propane-1,2-diol	77,0%
CAS: 22047-25-2 EINECS: 244-753-5	pyrazin-1-ylethan-1-one	1,5%
CAS: 14667-55-1 EINECS: 238-712-0	2,3,5-trimethylpyrazine	0,3%
CAS: 6812-78-8 EINECS: 229-887-4	Rhodinol	0,3%
CAS: 23696-85-7 EINECS: 245-833-2	1-(2,6,6-trimethyl-1,3-cyclohexadien-1-yl)-2-buten-1-one	0,2%

· **Remark:**
2-hydroxy-3-methylcyclopent-2-enone (CAS No. 80-71-7)
Synonym: 3-Methylcyclopentan-1,2-dione

methyl 2-pyridyl ketone (CAS No. 1122-62-9)
Synonym: 2-Acetylpyridine

propane-1,2-diol (CAS No. 57-55-6)
Synonym: propylene glycol

pyrazin-1-ylethan-1-one (CAS No. 22047-25-2)
Synonym: Acetylpyrazine

1-(2,6,6-trimethyl-1,3-cyclohexadien-1-yl)-2-buten-1-one (CAS No. 23696-85-7)
Synonym: beta-Damascenone

4 First aid measures

· **After inhalation:** Supply fresh air; consult doctor in case of complaints.
· **After skin contact:** Generally the product does not irritate the skin.
· **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:** CO2, sand, extinguishing powder. Do not use water.
· **For safety reasons unsuitable extinguishing agents:** Water with full jet
· **Protective equipment:**
Wear fully protective suit.
Wear self-contained respiratory protective device.
Do not inhale explosion gases or combustion gases.

6 Accidental release measures

· **Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.
· **Measures for environmental protection:**
Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
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).
Ensure adequate ventilation.
Do not flush with water or aqueous cleansing agents

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7 Handling and storage

· **Handling:**
· **Information for safe handling:**
Open and handle receptacle with care.
Keep away from heat and direct sunlight.
· **Information about fire - and explosion protection:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.

· **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 flammable substances.
Store away from foodstuffs.
· **Further information about storage conditions:**
Keep container tightly sealed.
Store in cool, dry conditions in well sealed receptacles.

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:**	
57-55-6 propane-1,2-diol	
WEL (Great Britain)	474* 10** mg/m³, 150* ppm *total vapour and particulates **particulates
WEEL (USA)	10 mg/m³
64-17-5 ethanol	
WEL (Great Britain)	1920 mg/m³, 1000 ppm
PEL (USA)	1900 mg/m³, 1000 ppm
REL (USA)	1900 mg/m³, 1000 ppm
TLV (USA)	1880 mg/m³, 1000 ppm

· **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:** Wash hands before breaks and at the end of work.
· **Respiratory protection:**
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
· **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 trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

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· **Eye protection:**

Tightly sealed goggles

9 Physical and chemical properties

· **General Information**	
Form:	Liquid
Colour:	Light yellow
Odour:	Fruit-like
· **Change in condition**	
Melting point/Melting range:	27°C
Boiling point/Boiling range:	210-212°C
· **Flash point:**	79°C
· **Flammability (solid, gaseous):**	Not available
· **Ignition temperature:**	400°C
· **Self-igniting:**	Product is not selfigniting.
· **Danger of explosion:**	Product is not explosive. However, formation of explosive air/ vapour mixtures are possible.
· **Explosion limits:**	
Lower:	2,6 Vol %
Upper:	12,6 Vol %
· **Oxidizing properties**	Not available
· **Vapour pressure:**	Not available
· **Density at 22,5°C:**	1,0305-1,4010 g/cm³
· **Relative density**	Not available
· **Vapour density**	2,62 g/cm³
· **Evaporation rate**	Not available
· **Solubility in / Miscibility with water:**	Insoluble.
· **pH-value:**	6-7
· **Segregation coefficient (n-octanol/water):**	Not available
· **Viscosity:**	
Dynamic at 20°C:	60,5 mPas

10 Stability and reactivity

· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
· **Dangerous reactions** No dangerous reactions known.
· **Dangerous decomposition products:** No dangerous decomposition products known.

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11 Toxicological information

· **Acute toxicity:**

· **LD/LC50 values relevant for classification:**		
14667-55-1 2,3,5-trimethylpyrazine		
Oral	LD50	806 mg/kg (rat)
1122-62-9 methyl 2-pyridyl ketone		
Oral	LD50	2280 mg/kg (rat)
64-17-5 ethanol		
Oral	LD50	7060 mg/kg (rat)
Inhalative	LC50/4 h	20000 mg/l (rat)
6812-78-8 Rhodinol		
Dermal	LD50	3600 mg/kg (rabbit)
121-33-5 vanillin		
Oral	LD50	1580 mg/kg (rat)
57-55-6 propane-1,2-diol		
Oral	LD50	2000 mg/kg (rat)
Dermal	LD50	20800 mg/kg (rabbit)

· **Primary irritant effect:**
· **on the skin:** Irritating effect possible.
· **on the eye:** Irritating effect possible.
· **Sensitization:** Sensitization possible.
· **Toxicokinetics, metabolism and distribution** Not available
· **Acute effects (acute toxicity, irritation and corrosivity)** Not available
· **Repeated dose toxicity** Not available
· **CMR effects (carcinogenity, 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
· **Ecotoxical effects:**
· **Acquatic 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**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· **Uncleaned packaging:**
· **Recommendation:** Disposal must be made according to official regulations.

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14 Transport information

· **Land transport ADR/RID (cross-border)**

· **ADR/RID class:** 3 Flammable liquids.
· **Danger code (Kemler):** 33
· **UN-Number:** 1993
· **Packaging group:** II
· **Hazard label:** 3
· **Description of goods:** 1993 FLAMMABLE LIQUID, N.O.S. (ETHANOL (ETHYL ALCOHOL))
· **Limited quantities (LQ)** LQ4
· **Transport category** 2
· **Tunnel restriction code** D1E

· **Maritime transport IMDG:**

· **IMDG Class:** 3
· **UN Number:** 1993
· **Label** 3
· **Packaging group:** II
· **EMS Number:** F-E,S-E
· **Marine pollutant:** Yes
· **Proper shipping name:** FLAMMABLE LIQUID, N.O.S. (ETHANOL (ETHYL ALCOHOL))

· **Air transport ICAO-TI and IATA-DGR:**

· **ICAO/IATA Class:** 3
· **UN/ID Number:** 1993
· **Label** 3
· **Packaging group:** II
· **Proper shipping name:** FLAMMABLE LIQUID, N.O.S. (ETHANOL)

15 Regulatory information

· **Sara**

· **Section 355(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):**

57-55-6	propane-1,2-diol
64-17-5	ethanol
6915-15-7	malic acid
80-71-7	2-hydroxy-3-methylcyclopent-2-enone
121-33-5	vanillin
1124-11-4	2,3,5,6-tetramethylpyrazine
22047-25-2	pyrazin-1-ylethan-1-one

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89-78-1	menthol
1122-62-9	methyl 2-pyridyl ketone

· **Proposition 65**

· **Chemicals 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:**

64-17-5	ethanol

· **Cancerogenity 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.

· **TLV(Threshold Limit Value established by ACGIH)**

64-17-5	ethanol	A4

· **NIOSH-Ca(National Institute for Occupational Safety and Health)**
None of the ingredients is listed.

· **OSHA-Ca(Occupational Safety & Health Administration)**
None of the ingredients is listed.

· **Labelling according to EU guidelines:**
The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

· **Code letter and hazard designation of product:**
F Highly flammable

· **Risk phrases:**
11 Highly flammable.

· **Safety phrases:**
2 Keep out of the reach of children.
7/9 Keep container tightly closed and in a well-ventilated place.
29/56 Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.
46 If swallowed, seek medical advice immediately and show this container or label.

16 Other information

· **Relevant R-phrases**
11 Highly flammable.
22 Harmful if swallowed.
36 Irritating to eyes.
36/38 Irritating to eyes and skin.
38 Irritating to skin.
· **********

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

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