Material Safety Data Sheet

According to Regulation (EC) No 2015/830

DATE OF ISSUE: 01.02.2022 VERSION: 1.0/EN

Section 1-Chemical Product &Company Identification

1.1 Product identifier

Product Name	Cherry Bomb18mg/ml Nicotine
Mode	WAKA

1.2 Relevant identified uses of the substance or mixture and uses advised against

Recommended Use	liquid for cartridge
Uses advised against	No information available

1.3 Details of the supplier of the safety data sheet

Supplier	Innofly HK Limited
Address	SUITE 603, 6/F LAWS COMM PLAZA 788 CHEUNGSHAWANRD,HK
Contact Person	Sunkie
Phone	+86-755-86721136
Fax	+86-755-86721136
E-mail	None

1.4 Emergency telephone number

+86 4000117100

Section 2-Hazards Identification

2.1 Classification of the substance or mixture

Classification according to Regulation(EC)No.1272/2008【CLP】

Acute Tox.4, H302

2.2 Label elements,including precautionary statements

Symbols/Pictograms

Signal word Warning

Hazard Statements

H302: Harmful if swallowed

EUH208: Contains D-Limonene, Methyl cinnamate, Eugenol and Cinnamic aldehyde. May produce an allergic reaction.

Precautionary Statements

P101: If medical advice is needed, have product container or label at hand.

P102: Keep out of reach of children.

P264: Wash contacting parts thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.
P301 + P312: IF SWALLOWED: Call a POISON CENTRE/doctor if you feel unwell
P330: Rinse mouth.
P501: Dispose of contents/container to designated place in accordance with local/regional/national/international regulations.

Other hazards

No information available

Section 3-Composition/Information on Ingredients

Components:				
Name	CAS/EC number	Index number	Classification acc. to 1272/2008/EC	Concentration(%)
Glycerol	CAS: 56-81-5 EC: 200-289-5	Index NO.: Not available	Substance is not classified as hazardous.	30-40
1,2-Propylene glycol	CAS: 57-55-6 EC: 200-338-0	Index NO.: Not available	Substance is not classified as hazardous.	30-40
Ethanol	CAS:64-17-5 EC:200-578-6	Index NO.: 603-002-00-5	Flam. Liq. 2 (H225)	<8
Benzyl alcohol	CAS: 100-51-6 EC: 202-859-9	Index NO.: 603-057-00-5	Acute Tox. 4* (H302) Acute Tox. 4* (H332)	5.35
Trimethyl isopropyl butanamide	CAS: 51115-67-4 EC: 256-974-4	Index NO.: Not available	Acute Tox. 4 (H302)	2.87
Nicotine	CAS: 54-11-5 EC: 200-193-3	Index NO.: 614-001-00-4	Acute Tox. 2 (H300) Acute Tox. 2 (H310) Acute Tox. 2 (H330) Aquatic Chronic 2(H411)	1.55
Benzoic acid	CAS: 65-85-0 EC: 200-618-2	Index NO.: 607-705-00-8	Skin Irrit. 2 (H315) Eye Dam. 1 (H318) STOT RE 1 (H372)	0.63
Acetic acid	CAS:64-19-7 EC:200-580-7	Index NO.: 607-002-00-6	Flam. Liq. 3 (H226) Skin Corr. 1A (H314)	<0.6
D-Limonene	CAS: 5989-27-5 EC: 227-813-5	Index NO.: 601-029-00-7	Flam. Liq. 3 (H226) Skin Irrit. 2 (H315) Skin Sens. 1 (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	<0.5
Methyl cinnamate	CAS: 103-26-4 EC: 203-093-8	Index NO.: Not available	Skin Sens. 1B (H317)	<0.5
γ-Decalactone	CAS: 706-14-9 EC: 211-892-8	Index NO.: Not available	Substance is not classified as hazardous.	<0.5
Ethyl maltol	CAS: 4940-11-8 EC: 225-582-5	Index NO.: Not available	Acute Tox. 4 (H302)	<0.5

Benzaldehyde	CAS: 100-52-7 EC: 202-860-4	Index NO.: 605-012-00-5	Acute Tox. 4* (H302)	<0.5
Eugenol	CAS: 97-53-0 EC: 202-589-1	Index NO.: Not available	Skin Sens. 1 (H317) Eye Irrit. 2 (H319)	<0.5
L-menthol	CAS:2216-51-5 EC:218-690-9	Index NO.: Not available	Skin Irrit. 2 (H315)	<0.3
Ethyl caproate	CAS: 123-66-0 EC: 204-640-3	Index NO.: Not available	Flam. Liq. 3 (H226)	<0.3
Ethyl butyrate	CAS: 105-54-4 EC: 203-306-4	Index NO.: Not available	Flam. Liq. 3 (H226)	<0.3
Ethyl 2-methylbutyrate	CAS: 7452-79-1 EC: 231-225-4	Index NO.: Not available	Flam. Liq. 3 (H226)	<0.3
TOLUALDEHYDES	CAS: 1334-78-7 EC: 215-615-1	Index NO.: Not available	Eye Irrit. 2 (H319)	<0.3
Methyl dihydrojasmonate	CAS: 24851-98-7 EC: 246-495-9	Index NO.: Not available	Substance is not classified as hazardous.	<0.2
Leaf alcohol	CAS: 928-96-1 EC: 213-192-8	Index NO.: Not available	Flam. Liq. 3 (H226) Eye Irrit. 2 (H319)	<0.2
Benzyl acetate	CAS: 140-11-4 EC: 205-399-7	Index NO.: Not available	Aquatic Chronic 3(H412)	<0.2
Cinnamic aldehyde	CAS:104-55-2 EC:203-213-9	Index NO.: Not available	Acute Tox. 4 (H312) Skin Irrit. 2 (H315) Skin Sens. 1 (H317) Eye Irrit. 2 (H319)	<0.2
Isopentyl acetate	CAS: 123-92-2 EC: 204-662-3	Index NO.: 607-130-00-2	Flam. Liq. 3 (H226)	<0.2

Section 4-First Aid Measures

4.1 Description of first aid measures

General advice — In case of accident or unwellness,seek medical advice immediately

Inhalation — If fumes or combustion products are inhaled,remove victim to freshairand keep at restin a position comfortable for breathing. Get medical advice/attention if you feel unwell

Ingestion — Give water to rinse out ,then drink plenty pf water,vomiting,and go to a doctor

Eyes Contact — Keep eyelids apart and away from eye and moving the eyelids by lifting the upper and lower lids occasionally,flush eyes with plenty of water or saline water for at least 15minutes,call a physician if irritation persists

Skin contact — Wash off immediately with saop and plenty of water while removing all contaminated clothes and shoes.Wash contaminated clothing before reuse.if skin irritation persists,call a physician

4.2 Most important symptoms and effects,both acute and delayed

No information available

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically

Section 5-Fire Fighting Measures

5.1 Extinguishing media

Suitable extinguishing media CO_2, Dry powder,water

UnSuitable extinguishing media No information available

5.2 Special hazards arising from the substance or mixture

No information available

5.3 Special protective equipment and precautions for fire-fighters

In case of fire, wear self-contained breathing apparatus. Co-ordinate fire-fighting measures to the fire surroundings. Move undamaged containers from immediate hazard area if it can be done safely. Remove heat to avoid pressure rise. Use caution when applying carbon dioxide in confined spaces.Carbon dioxide can displace oxygen. Wear a self-contained breathing apparatus and chemical protective clothing

Section6 -Accidental Release Measures

6.1 Personal precautions,protective equipment and emergency procedures

Evacuate personnel to safe areas. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation, especially in confined areas. Do not breathe dust/fume/gas/mist/vapors/spray

6.2 Environmental precautions

Prevent product from entering drains

6.3 Methods and material for containment and cleaning up

Pick up and transfer to properly labeled containers. Avoid generation of dust

Section 7-Handling and Storage

7.1 Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Avoid generation of dust. Do not breathe dust/fume/gas/mist/vapors/spray

7.2 Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry,cool and well-ventilated place. Protect from moisture and fire. Store away from Oxidant,acids,halogen. Equipped with corresponding varieties and number of fire equipment and leakage emergency treatment equipment

Section 8-Exposure Controls/Personal Protection

8.1 Control parameters

Substance	Country	OEL value
1,2-Propyleneglycol	United Kingdom	474 mg/m^3 (8 h)-Vapor and particulates 10 mg/m^3 (8 h)-Particulates
	Ireland	470 mg/m^3 (8 h)-Vapor and particulates 10 mg/m^3 (8 h)-Particulates

Glycerol	Germany	10 mg/m^3 (8 h) 400 mg/m^3 (15 min)
	France, United Kingdom, Belgium, Spain, Ireland	10 mg/m^3 (8 h)
Nicotine	France, Belgium, Spain, Ireland, Italy	0.5 mg/m3 (8 h)
	Germany	0.5 mg/m3 (8 h) 1.0 mg/m3 (15 min)
	Finland, United Kingdom	0.5 mg/m3 (8 h) 1.5 mg/m3 (15 min)
Benzoic acid	Germany	0.5 mg/m^3 (8 h) 2 mg/m^3 (15 min)

8.2 Exposure controls

Engineering Controls: Strictly abide the operation procedures, wear protective clothing and rubber gloves. Install ventilation devices in workplaces

8.3 Personal protective equipment

Respiratory Protection: Special protection is generally not required, but if exposed to dust, it is recommended to wear self absorption filter dust masks

Skin Protection: Wear suitable protective clothing and gloves

Eye Protection: Not necessary under normal conditions. Wearing chemical safety protective glasses if necessary

Hygiene Measures: Wash hands or take shower after working

8.4 Environment exposure controls

Avoid release to the environment

Section 9-Physical and Chemical Properties

Physical State	Form: Yellow liquid at room temperature Odor: Peach Apple
Odor threshold	No data
pH	No data
Melting/freezing point	No data
Boiling Point/initial boiling	No data
Point and Boiling range	No data
Flash Point	No data
Evaporation rate	No data
Flammability(soil,gas)	No data
Upper/lower flammability	No data
Vaper pressure	No data
Vapor Density(Air=1)	No data
Density/relative density	No data
Solubility in Water	No data
Partition coefficient	No data
Autoignition temperature	No data

Decomposition temperature	No data
Kinematic viscosity	No data
Dynamic viscosity	No data
Explosive properties	No data
Oxidizing properties	No data

Section 10-Stability and Reactivity

10.1 Reactivity

Stable under normal

10.2 Chemical stability

Stable under recommended storage conditions

10.3 Possibility of hazardous reactions

None under normal processing

10.4 Condition to avoid

No information available

10.5 Incompatible materials

No information available

10.6 Hazardous decomposition products

No information available

Section 11-Toxicological Information

11.1 Information on toxicological effects

Acute toxicity

LD/LC50 values relevant for classification:		
CAS:54-11-5 Nicotine		
Oral	LD50	5 mg/kg bw
Dermal	LD50	70 mg/kg bw
Inhalation	LC50	0.19 mg/L (dusts/mists)
CAS:51115-67-4 Trimethyl isopropyl butanamide		
Oral	LD50	490 mg/kg bw
CAS:100-51-6 Benzyl alcohol		
Oral	LD50	1620 mg/kg bw

Calculated ATEmix (oral) = 317 mg/kg bw

According to Regulation (EC) No 1272/2008, this product does not meet the criteria of classification of dermal acute toxicity.

According to Regulation (EC) No 1272/2008, this product does not meet the criteria of classification of inhalation acute toxicity.

Skin corrosion/irritation	Not classified
Serious eye damage/eye irritation	Not classified
Sensitization	Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
STOT-single exposure	Not classified

STOT-repeated exposure	Not classified
Aspiration hazard	Not classified

Section 12-Ecological Information

12.1 Toxicity

Nicotine	
Fish (Onchorhynchus mykiss) Fish (fresh water) Daphnia (Daphnia magna) Alga (Desmodesmus subspicatus)	LC50-96h = 3 mg/L 3-29 ppm EC50-48h = 0.24 mg/L EC50-72h = 37 mg/L

According to Regulation (EC) No 1272/2008, this product does not meet the criteria of classification of environmental hazard.

12.2 Persistence and degradability

Nicotine	
OECD 301B	71% degradation
1,2-Propylene glycol	
OECD Method 301F Biodegradation in soil Phototransformation in water	81% biodegradation High concentrations of propylene glycol released into a soil environment can be expected to biodegrade. DT50 = 1.3 year
Glycerol	
Ready biodegradability	Readily biodegradable

12.3 Bioaccumulative potential

Nicotine	
Log Pow	1.17 (pH=12.17)
1,2-Propylene glycol	
BCF	0.09
Glycerol	
Log Pow	-1.75 (pH=7.4, ℃)

12.4 Mobility in soil

1,2-Propylene glycol	
Koc Henry's Law conatant	2.9 (calculated from log Pow = -1.07 using the equation from the TGD (non-hydrophobics) 0.06 atm m^3/mol (12 ℃)
Glycerol	
Henry's Law Constant (H):	0 atm m^3/mol

12.5 Other adverse effects

No information available

Section 13-Disposal Considerations

Waste treatment methods

Product disposal recommendation:Observe local, state and federal laws and regulations.

Packaging disposal recommendation:Containers may be recycled or re-used. Observe local,state

and federal laws and regulations.
The potential effects on the environment and human health of the substances used in material; the desirability of not disposing of waste material as unsorted municipal waste and of participating in their separate collection so as to facilitate treatment and recycling.

Section 14-Transport Information

14.1 UN Number

ADR:	Not regulated
IMDG:	Not regulated
IATA/ICAO:	Not regulated

14.2 Proper shipping name

Cherry BombFlavor E-Liquid 18 mg/ml nicotine

14.3 Hazard Class

ADR:	Not regulated
IMDG:	Not regulated
IATA/ICAO:	Not regulated

14.4 Transport pictograms on the label

ADR:	Not regulated
IMDG:	Not regulated
IATA/ICAO:	Not regulated

14.5 Packing Group

ADR:	Not regulated
IMDG:	Not regulated
IATA/ICAO:	Not regulated

14.6 Environmental hazards

ADR:	Not regulated
IMDG:	Not regulated
IATA/ICAO:	Not regulated

14.7 Special precautions

ADR:	No information available
IMDG:	No information available
IATA/ICAO:	No information available

14.8 Transport in bulk according to Annex II of MARPOL 73/78 and The IBC Code

ADR:	Non-applicable
IMDG:	Non-applicable
IATA/ICAO:	Non-applicable

Section 15-Regulatory Information

Safe,health and environment regulations/legislation specific for the substance or mixture

International laws/regulations

Commission Regulation (EU) No 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) (Text with EEA relevance)

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December

2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (Text with EEA relevance).

Economic commission for Europe Committee on Inland Transport ECE/TRANS/242(Vol.I) of available as from 1 January 2015 European Agreement concerning the International Carriage of Dangerous (ADR)

Convention concerning International Carriage by Rail (COTIF): Appendix C – Regulations concerning the International Carriage of Dangerous Goods by Rail (RID) with effect from 1 January 2011.

Section16-Additional Information

Relevant H phrases on section3

H225 Highly flammable liquid and vapour
H226 Flammable liquid and vapour
H300 Fatal if swallowed
H301 Toxic if swallowed
H302 Harmful if swallowed
H304 May be fatal if swallowed and enters airways
H310 Fatal in contact with skin
H314 Causes severe skin burns and eye damage
H315 Causes skin irritation
H317 May cause an allergic skin reaction
H318 Causes serious eye damage
H319 Causes serious eye irritation
H330 Fatal if inhaled
H336 May cause drowsiness or dizziness
H372 Causes damage to lungs through prolonged or repeated inhalation exposure
H400 Very toxic to aquatic life
H410 Very toxic to aquatic life with long lasting effects
H411 Toxic to aquatic life with long lasting effects
H412 Harmful to aquatic life with long lasting effects

Abbreviations and acronyms:

Flam. Liq. 2: Flammable liquid, Category 2
Flam. Liq. 3: Flammable liquid, Category 3
Acute Tox. 2: Acute toxicity, Category 2
Acute Tox. 3: Acute toxicity, Category 3
Acute Tox. 4: Acute toxicity, Category 4
Aquatic Acute 1: Hazardous to the aquatic environment, acute Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment, chronic Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment, chronic Category 2
Skin Irrit. 2: Skin corrosion/irritation, Category 2
Skin Corr. 1A: Skin corrosion/irritation, Category 1A
Eye Irrit. 2: Serious eye damage/eye irritation, Category 2
Eye Dam. 1: Serious eye damage/eye irritation Category 1
STOT RE 1:Specific target organ toxicity-repeated exposure Category 1
STOT RE 3:Specific target organ toxicity-repeated exposure Category 3
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
ATEmix: Acute Toxicity Estimate of mixture
bw: body weight
GCL: Generic Concentration Limit

Key literature references and sources for data

Acute oral median lethal dose (LD50) of WS-23 in the rat comes from ECHA
https://echa.europa.eu/registration-dossier/-/registered-dossier/22742/7/3/1

Methods of evaluating information which was used for the purpose of classification

Classification according to Regulation (EC) Nr. 1272/2008: calculation method.

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