

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 Peach Apple 18mg/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 Linalool, Hex-2-enal, D-Limonene and (E)-2-Hexenol. 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(%)
1,2-Propylene glycol	CAS: 57-55-6 EC: 200-338-0	Index NO.: Not available	Substance is not classified as hazardous.	35-45
Glycerol	CAS: 56-81-5 EC: 200-289-5	Index NO.: Not available	Substance is not classified as hazardous.	35-45
Ethanol	CAS:64-17-5 EC:200-578-6	Index NO.: 603-002-00-5	Flam. Liq. 2 (H225)	<5
Trimethyl isopropyl butanamide	CAS: 51115-67-4 EC: 256-974-4	Index NO.: Not available	Acute Tox. 4 (H302)	2.22
γ -Undecalactone	CAS: 104-67-6 EC: 203-225-4	Index NO.: Not available	Substance is not classified as hazardous.	<2
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
Acetic acid	CAS:64-19-7 EC:200-580-7	Index NO.: 607-002-00-6	Flam. Liq. 3 (H226) Skin Corr. 1A (H314)	<1
Leaf alcohol	CAS: 928-96-1 EC: 213-192-8	Index NO.: Not available	Flam. Liq. 3 (H226) Eye Irrit. 2 (H319)	<1
Linalool	CAS: 78-70-6 EC: 201-134-4	Index NO.: 603-235-00-2	Skin Sens. 1B (H317)	<1
Hexyl acetate	CAS: 142-92-7 EC: 205-572-7	Index NO.: Not available	Flam. Liq. 3 (H226) Aquatic Chronic 2 (H411)	<0.8
3-Hexenylacetate	CAS: 3681-71-8 EC: 222-960-1	Index NO.: Not available	Flam. Liq. 3 (H226)	<0.8
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)	<0.8
γ -Decalactone	CAS: 706-14-9 EC: 211-892-8	Index NO.: Not available	Substance is not classified as hazardous.	<0.5
n-Hexanol	CAS: 111-27-3	Index NO.:	Acute Tox. 4* (H302)	<0.5

	EC: 203-852-3	603-059-00-6		
Hex-2-enal	CAS:505-57-7 EC:208-014-0	Index NO.: Not available	Flam. Liq. 3 (H226) Acute Tox. 4 (H302) Acute Tox. 3 (H311) Skin Sens. 1 (H317) Aquatic Chronic 2 (H411)	<0.5
Benzyl alcohol	CAS: 100-51-6 EC: 202-859-9	Index NO.: 603-057-00-5	Acute Tox. 4* (H302) Acute Tox. 4* (H332)	<0.5
L-menthol	CAS:2216-51-5 EC:218-690-9	Index NO.: Not available	Skin Irrit. 2 (H315)	<0.5
Ethyl butyrate	CAS: 105-54-4 EC: 203-306-4	Index NO.: Not available	Flam. Liq. 3 (H226)	<0.5
Benzyl acetate	CAS: 140-11-4 EC: 205-399-7	Index NO.: Not available	Aquatic Chronic 3(H412)	<0.5
Methyl 2-methylbutyrate	CAS:868-57-5 EC:212-778-0	Index NO.: Not available	Flam. Liq. 2 (H225) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319)	<0.5
5-Decanolide	CAS: 705-86-2 EC: 211-889-1	Index NO.: Not available	Substance is not classified as hazardous.	<0.3
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)	<0.3
Isopentyl acetate	CAS: 123-92-2 EC: 204-662-3	Index NO.: 607-130-00-2	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
Maltol	CAS: 118-71-8 EC: 204-271-8	Index NO.: Not available	Acute Tox. 4 (H302)	<0.3
propyl acetate	CAS:109-60-4 EC: 203-686-1	Index NO.: 607-024-00-6	Flam. Liq. 2 (H225) Eye Irrit. 2 (H319) STOT SE 3 (H336)	<0.2
Citronellyl acetate	CAS:150-84-5 EC: 205-775-0	Index NO.: Not available	Skin Irrit. 2 (H315) Aquatic Chronic 2 (H411)	<0.2
4-methyl-2-pentenyl-1,3-dioxolane	CAS:2568-25-4 EC:219-906-4	Index NO.: Not available	Substance is not classified as hazardous.	<0.2
(E)-2-Hexenol	CAS: 928-95-0 EC: 213-191-2	Index NO.: Not available	Flam. Liq. 3 (H226) Skin Sens. 1B (H317) Eye Irrit. 2 (H319)	<0.2
Nonan-4-olide	CAS: 104-61-0 EC: 203-219-1	Index NO.: Not available	Substance is not classified as hazardous.	<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 fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell
Ingestion	Give water to rinse out, then drink plenty of 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 15 minutes, call a physician if irritation persists
Skin contact	Wash off immediately with soap 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

Section 6 -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/m ³ (8 h)
	Germany	0.5 mg/m ³ (8 h) 1.0 mg/m ³ (15 min)
	Finland, United Kingdom	0.5 mg/m ³ (8 h) 1.5 mg/m ³ (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
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Calculated ATEmix (oral) = 318 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)	LC50-96h = 3 mg/L
Fish (fresh water)	3-29 ppm
Daphnia (Daphnia magna)	EC50-48h = 0.24 mg/L
Alga (Desmodesmus subspicatus)	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	81% biodegradation High concentrations of propylene glycol released into a soil environment can be expected to biodegrade.
Phototransformation in water	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, °C)

12.4 Mobility in soil

1,2-Propylene glycol	
Koc	2.9 (calculated from log Pow = -1.07 using the equation from the TGD (non-hydrophobics)
Henry's Law constant	0.06 atm m ³ /mol (12 °C)
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

Peach Apple Flavor 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.

Section 16-Additional Information

Relevant H phrases on section 3

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.

DISCLAIMER OF LIABILITY

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should be evaluated to determine if additional precautions are required.

The data/information contained herein has been reviewed and approved for general release on the basis that this document contains no export controlled information.