VELO Orange Spark Intense [•••••] Slim

SECTION 1: Identification of the substance/mixture and of the company/ undertaking

* **1.1. Product identifier**

Trade name/designation:

VELO Orange Spark Intense [•••••] Slim

Other means of identification:

VELO/LYFT Orange Spark x-strong 10.9mg Slim
LYFT Orange Spark x-strong [••••] Slim
VELO Orange Spark x-strong [••••] Slim
VELO/LYFT Orange Spark Intense 10.9mg Slim
LYFT Orange Spark Intense [•••••] Slim

PTN01448 v1

UFI:

A94W-CG7M-4PFD-SXU9

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

Use of the substance/mixture:

The product is intended for consumer use.

1.3. Details of the supplier of the safety data sheet

Manufacturer:

BAT Pécsi Dohánygyár Kft.
Francia utca 2
7630 Pécs
Hungary
Telephone: +36 72 504 100
E-mail: sds-eliquid@bat.com

Manufacturer:

Fiedler & Lundgren AB
Stenåldersgatan 23-25
213 76 Malmö
Sweden
Telephone: +46406359900
E-mail: sds-eliquid@bat.com

1.4. Emergency telephone number

Toxikologické informační středisko,
Klinika pracovního lékařství VFN a 1. LF UK ;
Na Bojišti 1,
120 00 Praha 2, 24h: +420 224 919 293, +420 224 915 402, a jen při poruše tel. +420 725 103 658 ;
Carechem 24 International: +420 228 882 830

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

Hazard classes and hazard categories	Hazard statements	Classification procedure
Acute toxicity (oral) *(Acute Tox. 4)*	H302: Harmful if swallowed.	Calculation method.
Hazardous to the aquatic environment *(Aquatic Chronic 3)*	H412: Harmful to aquatic life with long lasting effects.	Calculation method.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms:

GHS07
Exclamation mark

Signal word: Warning

Hazard components for labelling:
nicotine

Hazard statements for health hazards	
H302	Harmful if swallowed.

Hazard statements for environmental hazards	
H412	Harmful to aquatic life with long lasting effects.

Supplemental hazard information	
EUH208	Contains Orange Oil, Terpeneless. 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.

Precautionary statements Prevention	
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P273	Avoid release to the environment.

Precautionary statements Response	
P301 + P312	IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

Precautionary statements Disposal	
P501	Dispose of contents in accordance with local, regional or national regulations.

2.3. Other hazards

No data available

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients / Hazardous impurities / Stabilisers:

Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 54-11-5 EC No.: 200-193-3 Index No.: 614-001-00-4 REACH No.: 01-2120066934-47-0000	**nicotine** Acute Tox. 2 (H330, H310, H300), Aquatic Chronic 2 (H411)  Danger **Acute Toxicity Estimate** ATE (oral): 5 mg/kg ATE (dermal): 70 mg/kg ATE (inhalation, dust/mist): 0.19 mg/L	0 – < 1.65 weight-%
CAS No.: 68606-94-0 EC No.: 232-433-8	**Orange Oil, Terpeneless** Aquatic Acute 1 (H400), Aquatic Chronic 1 (H410), Asp. Tox. 1 (H304), Eye Irrit. 2 (H319), Flam. Liq. 3 (H226), Skin Irrit. 2 (H315), Skin Sens. 1 (H317)  Danger	0 – < 0.2 weight-%

Full text of H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information:
In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove victim out of the danger area. Remove contaminated, saturated clothing. If unconscious but breathing normally, place in recovery position and seek medical advice. Never give anything by mouth to an unconscious person or a person with cramps. Do not leave affected person unattended.

Following inhalation:
Provide fresh air.

In case of skin contact:
Take off immediately all contaminated clothing.

After eye contact:
Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Following ingestion:
Rinse mouth. Get medical advice/attention if you feel unwell.

Self-protection of the first aider:
Wear personal protection equipment (refer to section 8). No direct artificial respiration to be given by first aider.

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

Allergic reactions
If exposed to large quantities of the product, acute nicotine poisoning might occur causing symptoms such as nausea, excess salivation, abdominal pain, diarrhoea, sweating, headache, dizziness, disturbed hearing and weakness. In extreme cases, these symptoms may be followed by depression of the central nervous system, including confusion, hypotension, rapid or weak or irregular pulse, breathing difficulties, prostration, circulatory collapse and terminal convulsions.

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

ONLY FOR MEDICAL PERSONNEL: In case of severe nicotine poisoning, if airway is secured, administration of activated charcoal should be considered. Do NOT administer antacids; alkaline conditions improve the absorption of nicotine. Monitor breathing patterns and maintain circulation. Cholinergic symptoms may be treated with atropine.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:
Dry extinguishing powder, alcohol resistant foam, Water spray jet

Unsuitable extinguishing media:
Full water jet

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products:
In case of fire: Gases/vapours, toxic

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

5.4. Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Personal precautions:
Do not enter storage, handling and production areas if unauthorized.

Emergency procedures:
Do not walk on the spillage and avoid any kind of contact. Ventilate affected area if safe to do so. Evacuate the danger area immediately and follow the emergency procedures of your workplace.

6.1.2. For emergency responders

Personal protection equipment:
Personal protection equipment: see section 8

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Ensure waste is collected and contained.

6.3. Methods and material for containment and cleaning up

For containment:
Collect spillage. Measures to prevent aerosol and dust generation: Wet clean or vacuum up solids.

For cleaning up:
Water (with cleaning agent)

Other information:
Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

Safe handling: see section 7 Personal protection equipment: see section 8 Disposal: see section 13

6.5. Additional information

Use appropriate container to avoid environmental contamination.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:
It is recommended to design all work processes always so that the following is excluded: Strong acid, Highly oxidising substances. Wear personal protection equipment (refer to section 8). Do not breathe dust.

Fire prevent measures:
Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. To avoid the risk of fire, do not allow this product to dry out.

Measures to prevent aerosol and dust generation:
Dust should be exhausted directly at the point of origin. Additional measures for respiratory protection: High efficiency particulate air filter (HEPA filter)

Environmental precautions:
Shafts and sewers must be protected from entry of the product.

Advices on general occupational hygiene

Wash hands before breaks and after work.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:
Keep container tightly closed in a cool, well-ventilated place.

Requirements for storage rooms and vessels:
Ensure adequate ventilation of the storage area.

Hints on storage assembly:
Keep away from: Strong acid, Highly oxidising substances

Storage class (TRGS 510, Germany): 10 - 13 – Other combustible and non-combustible substances

7.3. Specific end use(s)

Recommendation:
Observe technical data sheet. Observe instructions for use.

SECTION 8: Exposure controls/personal protection

*

8.1. Control parameters

8.1.1. Occupational exposure limit values

Limit value type (country of origin)	Substance name	① Long-term occupational exposure limit value ② Short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
CZ from 1 Mar 2020	**nicotine** CAS No.: 54-11-5 EC No.: 200-193-3	① 0.074 ppm (0.5 mg/m³) ② 0.37 ppm (2.5 mg/m³) ⑤ (může pronikat pokožkou) D
IOELV (EU)	**nicotine** CAS No.: 54-11-5 EC No.: 200-193-3	① 0.5 mg/m³ ⑤ (May be absorbed through the skin.)

8.1.2. Biological limit values

No data available

8.1.3. DNEL-/PNEC-values

Substance name	DNEL value	① DNEL type ② Exposure route
nicotine CAS No.: 54-11-5 EC No.: 200-193-3	0.0313 mg/m³	① DNEL worker ② Long-term – inhalation, systemic effects
nicotine CAS No.: 54-11-5 EC No.: 200-193-3	8.6 mg/m³	① DNEL worker ② Acute - inhalation, systemic effects
nicotine CAS No.: 54-11-5 EC No.: 200-193-3	0.00443 mg/kg bw/day	① DNEL worker ② Long-term - dermal, systemic effects
nicotine CAS No.: 54-11-5 EC No.: 200-193-3	0.84 mg/kg bw/day	① DNEL worker ② Acute – dermal, systemic effects
nicotine CAS No.: 54-11-5 EC No.: 200-193-3	0.2 mg/cm²	① DNEL worker ② Acute - dermal, local effects
Orange Oil, Terpeneless CAS No.: 68606-94-0 EC No.: 232-433-8	31.1 mg/m³	① DNEL worker ② Long-term – inhalation, systemic effects
Orange Oil, Terpeneless CAS No.: 68606-94-0 EC No.: 232-433-8	8.89 mg/kg bw/day	① DNEL worker ② Long-term - dermal, systemic effects
Orange Oil, Terpeneless CAS No.: 68606-94-0 EC No.: 232-433-8	0.1858 mg/cm²	① DNEL worker ② Acute - dermal, local effects

Substance name	PNEC Value	① PNEC type
nicotine CAS No.: 54-11-5 EC No.: 200-193-3	0.4 µg/L	① PNEC aquatic, freshwater
nicotine CAS No.: 54-11-5 EC No.: 200-193-3	0.04 µg/L	① PNEC aquatic, marine water
nicotine CAS No.: 54-11-5 EC No.: 200-193-3	2.7 mg/L	① PNEC sewage treatment plant

Substance name	PNEC Value	① PNEC type
nicotine CAS No.: 54-11-5 EC No.: 200-193-3	0.00065 mg/kg	① PNEC sediment, freshwater
nicotine CAS No.: 54-11-5 EC No.: 200-193-3	0.000065 mg/kg	① PNEC sediment, marine water
nicotine CAS No.: 54-11-5 EC No.: 200-193-3	0.000321 mg/kg	① PNEC soil
nicotine CAS No.: 54-11-5 EC No.: 200-193-3	3 µg/L	① PNEC aquatic, intermittent release
Orange Oil, Terpeneless CAS No.: 68606-94-0 EC No.: 232-433-8	5.4 µg/L	① PNEC aquatic, freshwater
Orange Oil, Terpeneless CAS No.: 68606-94-0 EC No.: 232-433-8	0.54 µg/L	① PNEC aquatic, marine water
Orange Oil, Terpeneless CAS No.: 68606-94-0 EC No.: 232-433-8	2.1 mg/L	① PNEC sewage treatment plant
Orange Oil, Terpeneless CAS No.: 68606-94-0 EC No.: 232-433-8	1.3 mg/kg	① PNEC sediment, freshwater
Orange Oil, Terpeneless CAS No.: 68606-94-0 EC No.: 232-433-8	0.13 mg/kg	① PNEC sediment, marine water
Orange Oil, Terpeneless CAS No.: 68606-94-0 EC No.: 232-433-8	0.261 mg/kg	① PNEC soil, freshwater

8.2. Exposure controls

8.2.1. Appropriate engineering controls

The exposure frequency, duration and number of exposed persons shall be minimised.

8.2.2. Personal protection equipment

Eye/face protection:

Eye glasses with side protection EN 166

Skin protection:

Tested protective gloves must be worn EN ISO 374 Suitable material: NBR (Nitrile rubber), Butyl caoutchouc (butyl rubber). In the case of wanting to use the gloves again, clean them before taking off and air them well. Breakthrough times and swelling properties of the material must be taken into consideration.

Respiratory protection:

Usually no personal respirative protection necessary. If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. Half-face mask (EN 149 / EN 140-EN 143). The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

8.2.3. Environmental exposure controls

No data available

SECTION 9: Physical and chemical properties

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

Appearance

Physical state: Powder **Colour:** white

Odour: fruity

Safety relevant basis data

Parameter	Value	① Method ② Remark
pH	= 8.8	① in aqueous solution 5%
Melting point	*No data available*	
Freezing point	*No data available*	
Initial boiling point and boiling range	*No data available*	
Evaporation rate	*No data available*	
Vapour pressure	*No data available*	
Density	*No data available*	
Bulk density	*No data available*	
Water solubility	*No data available*	

particle characteristics:

No data available

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

This material is considered to be non-reactive under normal use conditions.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4. Conditions to avoid

Avoid high temperatures or direct sunlight. Do not dry up the product.

10.5. Incompatible materials

Strong acid, Highly oxidising substances.

10.6. Hazardous decomposition products

Decomposition products in case of fire: see section 5.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

nicotine CAS No.: 54-11-5 EC No.: 200-193-3
ATE (oral)[1]: 5 mg/kg
ATE (dermal)[1]: 70 mg/kg
ATE (inhalation, dust/mist)[1]: 0.19 mg/L

[1]: Acute Toxicity Estimate. Harmonised (legal) classification.

Acute oral toxicity:

Harmful if swallowed.

Acute dermal toxicity:

Based on available data, the classification criteria are not met.

Acute inhalation toxicity:

Based on available data, the classification criteria are not met.

Skin corrosion/irritation:
Based on available data, the classification criteria are not met.

Serious eye damage/irritation:
Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation:
Contains Orange Oil, Terpeneless. May produce an allergic reaction.

Germ cell mutagenicity:
Based on available data, the classification criteria are not met.

Carcinogenicity:
Based on available data, the classification criteria are not met.

Reproductive toxicity:
Based on available data, the classification criteria are not met.

STOT-single exposure:
Based on available data, the classification criteria are not met.

STOT-repeated exposure:
Based on available data, the classification criteria are not met.

Aspiration hazard:
Based on available data, the classification criteria are not met.

Additional information:
No data available

11.2. Information on other hazards
No data available

SECTION 12: Ecological information

12.1. Toxicity

nicotine CAS No.: 54-11-5 EC No.: 200-193-3	
LC_{50}: 4 mg/L 4 d (fish, Oncorhynchus mykiss (Rainbow trout))	
EC_{50}: 11 mg/L 3 d (Algae/water plant)	
EC_{50}: 0.24 mg/L 2 d (crustaceans, Daphnia magna (Big water flea))	
Orange Oil, Terpeneless CAS No.: 68606-94-0 EC No.: 232-433-8	
LC_{50}: 5.65 mg/L 4 d (fish, Danio rerio (zebrafish)) OECD 203	
EC_{50}: 1.1 mg/L 2 d (crustaceans, Daphnia magna (Big water flea)) OECD 202	
NOEC: 50 mg/L 3 d (Algae/water plant, Desmodesmus subspicatus) OECD 201	
ErC_{50}: 4.3 mg/L 3 d (Algae/water plant, Desmodesmus subspicatus) EpiSuite QSAR tool	

Aquatic toxicity:
Harmful to aquatic life with long lasting effects.

12.2. Persistence and degradability

nicotine CAS No.: 54-11-5 EC No.: 200-193-3
Biodegradation: Yes, rapidly
Orange Oil, Terpeneless CAS No.: 68606-94-0 EC No.: 232-433-8
Biodegradation: Yes, rapidly

12.3. Bioaccumulative potential

Orange Oil, Terpeneless CAS No.: 68606-94-0 EC No.: 232-433-8
Log K_{OW}: 4.38
Bioconcentration factor (BCF): 361

12.4. Mobility in soil
No data available

12.5. Results of PBT and vPvB assessment

nicotine	CAS No.: 54-11-5 EC No.: 200-193-3
Results of PBT and vPvB assessment:	This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.
Orange Oil, Terpeneless	CAS No.: 68606-94-0 EC No.: 232-433-8
Results of PBT and vPvB assessment:	This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

12.6. Endocrine disrupting properties
No data available

12.7. Other adverse effects
No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Hazardous waste according to Directive 2008/98/EC (waste framework directive). Do not allow to enter into surface water or drains. Avoid release to the environment.

Waste treatment options
Appropriate disposal / Product:
Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste. Consult the appropriate authorities about waste disposal.

Appropriate disposal / Package:
Handle contaminated packages in the same way as the substance itself.

Other disposal recommendations:
Delivery to an approved waste disposal company.

SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1. UN number or ID number			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.2. UN proper shipping name			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.3. Transport hazard class(es)			
not relevant	not relevant	not relevant	not relevant
14.4. Packing group			
not relevant	not relevant	not relevant	not relevant
14.5. Environmental hazards			
not relevant	not relevant	not relevant	not relevant
14.6. Special precautions for user			
not relevant	not relevant	not relevant	not relevant

14.7. Maritime transport in bulk according to IMO instruments
No data available

SECTION 15: Regulatory information

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

15.1.1. EU legislation

Other regulations (EU):

Regulation (EU) 2016/425 of the European Parliament and of the Council of 9 March 2016 on personal protective equipment and repealing Council Directive 89/686/EEC (Text with EEA relevance)

EUROPEAN PARLIAMENT AND COUNCIL DIRECTIVE 94/62/EC of 20 December 1994 on packaging and packaging waste

15.1.2. National regulations

No data available

15.2. Chemical Safety Assessment

Chemical safety assessments are not required for mixtures.

SECTION 16: Other information

* **16.1. Indication of changes**

1.1.	Product identifier
8.1.	Control parameters
9.1.	Information on basic physical and chemical properties
15.1.	Safety, health and environmental regulations/legislation specific for the substance or mixture
16.1.	Indication of changes
16.5.	List of relevant hazard statements and/or precautionary statements from sections 2 to 15

16.2. Abbreviations and acronyms

ACGIH	American Conference of Governmental Industrial Hygienists
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
BCF	Bioconcentration Factor
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging
DNEL	derived no-effect level
EC_{50}	Effective Concentration 50%
ECHA	European Chemicals Agency
EN	European Standard
ES	Exposure scenario
HEPA	High Efficiency Particulate Air
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
ISO	International Standards Organisation
LC_{50}	Lethal (fatal) Concentration 50%
MAK	Maximum concentration in the workplace air (CH)
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety & Health
NOEC	No Observed Effect Concentration
OECD	Organisation for Economic Cooperation and Development
OSHA	Occupational Safety & Health Administration
PBT	persistent and bioaccumulative and toxic
PNEC	Predicted No Effect Concentration
QSAR	Quantitative Structure-Activity Relationship
REACH	Registration, Evaluation and Authorization of Chemicals
RID	Dangerous goods regulations for transport by rail
TRGS	Technische Regeln für Gefahrstoffe

UN United Nations
ZNS central nervous system
For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

16.3. Key literature references and sources for data
European Chemicals Agency, http://echa.europa.eu/
Umweltbundesamt, http://webrigoletto.uba.de/rigoletto

16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

Hazard classes and hazard categories	Hazard statements	Classification procedure
Acute toxicity (oral) *(Acute Tox. 4)*	H302: Harmful if swallowed.	Calculation method.
Hazardous to the aquatic environment *(Aquatic Chronic 3)*	H412: Harmful to aquatic life with long lasting effects.	Calculation method.

* 16.5. List of relevant hazard statements and/or precautionary statements from sections 2 to 15

Hazard statements	
H226	Flammable liquid and vapour.
H300	Fatal if swallowed.
H304	May be fatal if swallowed and enters airways.
H310	Fatal in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
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.

16.6. Training advice
Make sure that employees are aware of the intoxication risk. People wearing breathing apparatus must be appropriately trained.

16.7. Additional information
No data available

* Data changed compared with the previous version.