VAPE GmbH

An der Autobahn 3a · 27798 Hude-Altmoorhausen Tel. +49-4484-9399010 info@hisvape.net
Ust.ID.Nr.: DE280623862 Steuernr:57/201/00187 Bankverbindung LZO Hude
Konto 90401118 Blz 28050100 IBAN DE66280501000090401118 BIC BRLADE21LZO

SAFETY DATA SHEET

In conformity (EG) Nr. 1907/2006 (REACH)

Product indentifier	Flavouring
Issued on	23.08.2018 17:00:51
Version	v1.03
Revision date	23.08.2018

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product indentifier

Product code: **[34140.1] Indigo Flow OD**

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

Flavouring

Uses advised against:
Do not use for purposes other than those listed.

1.3 Details of the supplier of the safety data sheet:

VAPE GMBH
An der Autobahn 3a
27798 Hude - Germany
Tel.:+49-4484-9399010 - info@hisvape.net

1.3.1 Responsible person:

P.Willemsen / M. Ovie

Email: info@hisvape.net

1.4 Emergency telephone number:

Giftnotruf der Charité Universitätsmedizin Berlin T.:030/19240(Emergency),F: 030/30 686 799

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture (EG) Nr. 1272/2008

: This substance is not classified as dangerous / toxic according to (EG) Nr. 1272/2008.

2.1.1

Classification of the substance or mixture:

Classification according to CLP regulation:

: This substance is not classified as dangerous / toxic according to (EG) Nr. 1272/2008.

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Classification according to Regulation 1999/45/EC:

Nothing to declare

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non applicable.

3.2 Mixture:

Description	CAS Number	CE Number	Conc.(%)	CLP	
benzaldehyde	100-52-7	202-860-4	<=1%	AcuteTox 4 H302	
ethyl n-butyrate	105-54-4	203-306-4	<=1%	FlamLiq 3 H226	
vanillin	121-33-5	204-465-2	<=1%	EyeIrrit 2 H319	
ethyl acetate	141-78-6	205-500-4	<=2%	FlamLiq 2 H225; EyeIrrit 2 H319; STOTSE 3 H336	
ethyl valerate	539-82-2	208-726-1	<=1%	FlamLiq 3 H226	
raspberry ketone	5471-51-2	226-806-4	<=2%	AcuteTox 4 H302	
ethyl 2-methyl butyrate	7452-79-1	231-225-4	<=1%	FlamLiq 3 H226	

Further Information

Product does not contain listed SVHC substances > 0,1 % according to Regulation (EC) No. 1907/2006 Article 59 (REACH)

***Substance classified by the manufacturer or substance which has no obligatory classification according to the EU regulations.**

For the full text of R and H phrase(s), see Section 16.

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SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures:

IN CASE OF INGESTION	: If it is possible, give activated charcoal in water or liquid paraffin medicine.
INHALATION	: Not hazardous
IN CASE OF SKIN CONTACT	: Wash thoroughly with soap and running water.
IN CASE OF EYE CONTACT	: Wash immediately and thoroughly with running water for at least 10 minutes.

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

No data available.

4.3 Indication of any immediate medical attention and special treatment needed

If eye irritation persists: Get medical advice/attention.

SECTION 5. FIREFIGHTING MEASURES

5.1 Extinguishing media:

5.1.1 Suitable extinguishing media:

Water spray, CO2, foam, dry chemical, depending on the materials involved in the fire.

5.1.2 Unsuitable extinguishing media:

Water jets. Use water jets only to cool the surfaces of the containers exposed to fire.

5.2 Special hazards arising from the substance or mixture:

No data available.

5.3 Advice for firefighters:

Use protection for the breathing apparatus
Safety helmet and full protective suit
The spray water can be used to protect the people involved in the extinction
You may also use self-respirator, especially when working in confined and poorly ventilated area and if you use halogenated extinguishers (Halon 1211 fluobrene, Solkan 123, NAF, etc...)
Keep containers cool with water spray

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

6.1.1 For non-emergency personnel:
Keep unprotected people away, allow only well trained experts wearing suitable protective clothing to abide in the field of accident.

6.1.2 For emergency responders:
Wear gloves and protective clothing. Eliminate all unguarded flames and possible sources of ignition. No smoking
Provision of sufficient ventilation.
Evacuate the danger area and, in case, consult an expert.

6.2 Environmental precautions:

Contain spill with earth or sand.
If the product has entered a watercourse in sewers or has contaminated soil or vegetation, notify it to the authorities.
Discharge the remains in compliance with the regulations.

6.3 Methods and material for containment and cleaning up:

For containment: Recover the product for reuse, if possible, or for removal. Possibly absorb it with inert material.
Prevent it from entering the sewer system
For cleaning up: After wiping up, wash with water the area and materials involved.

6.4 Reference to other sections:

For further and detailed information see section 8 and 13.

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SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling:

Observe conventional hygiene precautions.
Avoid contact and inhalation of vapors. See also Section 8 below.
At work do not eat or drink.
Technical measures:
Ensure adequate ventilation!
Precautions against fire and explosion:
No specific prescription.

7.2 Conditions for safe storage, including any incompatibilities:

Technical measures and storage condition:
Keep in original container closed tightly. Do not store in open or unlabeled containers
Keep containers upright and safe by avoiding the possibility of falls or collisions
Store in a cool place, away from sources of heat and `direct exposure of sunlight
Incompatible materials: none known.
Packaging material: no specific prescription.

7.3 Specific end use(s):

E liquid for electronic cigarettes.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Exposure limit values (2000/39/EC, 2006/15/EC, 2009/161/EU):
Nicotine (CAS number: 54-11-5):
8 hours: 0,5 mg/m3
Short term: -

DNEL				
Worker	Consumer	Routes of exposure	Exposure frequency:	Remarks
n.d.	n.d.		Short term (acute) Long term (repeated)	n.d.
n.d.	n.d.		Short term (acute) Long term (repeated)	n.d.
n.d.	n.d.		Short term (acute) Long term (repeated)	n.d.

PNEC					
Water	Soil	Air	Exposure frequency:	Remarks	
n.d.	n.d.	n.d.	Short term (acute) Long term (repeated)	n.d.	
n.d.	n.d.	n.d.	Short term (acute) Long term (repeated)	n.d.	
n.d.	n.d.	n.d.	Short term (acute) Long term (repeated)	n.d.	

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8.2 Exposure controls:

In case of a hazardous material with no controlled concentration limit it is the employers duty to keep concentration levels down to a minimum achievable by existing scientific and technological means, where the hazardous substance poses no harm to workers.

8.2.1 Appropriate engineering controls

In pursuance of work is proper foresight needed to avoid spilling onto clothes and floors and to avoid contact with eyes and skin. Ensure adequate ventilation.

8.2.2 Individual protection measures, such as personal protective equipment:

1.Eye/face protection:not needed for normal use.

2.Skin protection:

a.Hand protection: not needed for normal use.

b.Other: wear normal work clothing

3.Respiratory protection: not needed for normal use.

4.Thermal hazard: none known.

8.2.3 Environmental exposure controls:

Use according to good working practices to avoid pollution into the environment.

The requirements detailed in Section 8 assume skilled work under normal conditions and usage of the product for appropriate aims. If conditions differ from normal or work is carried out under extreme conditions an experts advice should be sought out before deciding upon further protective measures.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES:

9.1 Information on basic physical and chemical properties:

Parameter	Test method	Remarks
Aspect	liquid	
Odour		
Odour threshold	irrelevant	
pH	n.d.	
Melting point/ freezing point	irrelevant	
Initial boiling point/boiling range	irrelevant	
Flash point	n.d.	
Evaporation rate	irrelevant	
Flammability	irrelevant	
Upper/lower flammability or explosive limits	irrelevant	
Vapour pressure	irrelevant	
Relative density	irrelevant	
Solubility(ies)	irrelevant	
Partition coefficient: n-octanol/water	irrelevant	
Self-ignition temperature	irrelevant	

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Degradation temperature	irrelevant	
Viscosity	irrelevant	
Explosive properties	irrelevant	
Oxidizing properties	irrelevant	

9.2 Other information
No data available.

SECTION 10. STABILITY AND REACTIVIT

10.1 Reactivity
No reactivity hazards.

10.2 Chemical stability
No hazardous reaction when handled and stored according to provisions.

10.3 Possibility of hazardous reactions
There are no hazardous reactions

10.4 Conditions to avoid
Nothing to report

10.5 Incompatible materials
It can generate toxic gases to contact with acids, amide, aliphatic and aromatic amines, carbamate, halogenated substances isocyanetic, organic sulfide, nitrile, organic phosphates, inorganic sulfide, polymerizable compounds.
It can be easy ignite in contact with other substances.

10.6 Hazardous decomposition products:
Does not decompose when used for intended uses.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects
Toxicocinetics, metabolism and distribution
No information available.
Acute toxicity
Harmful if swallowed, in contact with skin or if inhaled.
literature information:
*Committee for Risk Assessment RAC Opinion proposing harmonised classification and labelling at EU level of Nicotine (ISO); 3-[(2S)-1-methylpyrrolidin-2-yl]pyridine, 09/2015
****ACUTE ORAL TOXICITY STUDY (ACUTE TOXIC CLASS METHOD) OF TEST ITEM 5 % NICOTINE DILUTED IN MICE**

ATEmix tested

Dose	Species	Source
LD50, oral >300-2000 mg/kg	Mouse	(OECD 423) VAPE GMBH**

ATEmix calculated
ATE (dermal) 1002,0 mg/kg; ATE (inhalative vapour) 10,02 mg/l; ATE (inhalative aerosol) 3,808 mg/l

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CAS NO	CHEMICAL NAME				
	Exposure route	Dose	Species	Source	
54-11-5	3-(N-methyl-2-pyrrolidinyl)pyridine, nicotine (ISO)				
	oral	LD50 [3,34 - 24] mg/kg	Mouse.	ECHA*	
	dermal	LD50 [50 - 140] mg/kg	Rabbit	ECHA*	
	inhalative vapour	ATE 0,5 mg/l			
	inhalative (4 h) aerosol	LC50 0,19 mg/l	Rat	ECHA*	

Irritation and corrosivity

Based on available data, the classification criteria are not met.
3-(N-methyl-2-pyrrolidinyl)pyridine, nicotine (ISO):
Irritant effect on the respiratory tract: slightly irritant but not relevant for classification.
Irritant effect on the eye:
Method: OECD Guideline 437 (Bovine Corneal Opacity and Permeability Test Method for Identifying Ocular Corrosives and Severe Irritants)
Species: in vitro
Result: negative.
literature infomation: ECHA Dossier
Irritant effect on the skin: slightly irritant but not relevant for classification.

Sensitising effects

Based on available data, the classification criteria are not met.
3-(N-methyl-2-pyrrolidinyl)pyridine, nicotine (ISO):
Skin sensitisation:
Method: OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay)
Species: Mouse
Result: negative.
literature infomation: ECHA Dossier

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.
3-(N-methyl-2-pyrrolidinyl)pyridine, nicotine (ISO):
In-vitro mutagenicity: Ames test negative. (Salmonella typhimurium)
[BRAMS,A, BUCHET,JP, CRUTZEN-FAYT,MC, DE MEESTER,C, LAUWERYS,R AND LEONARD,A; A COMPARATIVE STUDY, WITH 40 CHEMICALS, OF THE EFFICIENCY OF THE SALMONELLA ASSAY AND THE SOS CHROMOTEST (KIT PROCEDURE); TOXICOL. LETT. 38(1-2):123-133, 1987]

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.
3-(N-methyl-2-pyrrolidinyl)pyridine, nicotine (ISO):
NOAEL: 1,25 mg/kg (EFSA, 2009)

Aspiration hazard

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

Additional information on tests

This product was classified as result of a study (OECD 423) with mice for acute oral toxicity in accordance with (EC) No 1272/2008 3.1.3.4. and 3.1.3.5.1. and 3.1.3.5.2.. The test of acute oral toxicity was carried out with a 5% nicotine solution and identical solvents. The study is valid according to the german BfR and BauA

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SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity:
Harmful to aquatic life with long lasting effects.
Use according to good working practices to avoid pollution into the environment.

12.2 Persistence and degradability:
No data available.

12.2 Bioaccumulation potential
No data available.

12.3 Mobility in soil:

12.4 Results of PBT and vPvB assessment:
Substance/mixture meets the criteria for PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII

12.5 Other adverse effects
No adverse effects.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods
Disposal according to the local regulations.

13.1.1 Information regarding the disposal of the product
Any remaining product should be disposed of according to applicable regulations by addressing to authorized companies.
Recover if possible. Operate according to local or national regulations.
During the disposal of the product, its residue and its packaging the national and local prescriptions should be observed. The EWC codes indicated below are only recommendations, but they may have to be changed due to special circumstances, in such cases new classification may be needed

13.1.2 Information regarding the disposal of the packaging:
Do not reuse empty containers. Dispose of them in accordance with the regulations in force.

13.1.3 Physical/chemical properties that may affect waste treatment options shall be specified:
None known.

13.1.4 Sewage disposal:
None known.

13.1.5 Special precautions for any recommended waste treatment.
No data available.

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SECTION 14. TRANSPORT INFORMATION

14.1 UN Number:
n.d.

14.2 UN proper shipping name:
n.d.

14.3 Transport hazard class(es):
n.d.

14.4 Packaging group:
n.d.

14.5 Environmental hazard:
n.d.

14.6 Special precautions for user:
No information.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:
It is not intended to carry bulk.

SECTION 15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:
REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation 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
COMMISSION REGULATION (EC) No 790/2009 of 10 August 2009 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures
DIRECTIVE 1999/45/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 May 1999 concerning the approximation of the laws, regulations and administrative provisions of the Member States relating to the classification, packaging and labelling of dangerous preparations
REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006
COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

15.2 Chemical safety assessment:
the supplier has made an assessment of chemical safety

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SECTION 16. OTHER INFORMATION

16.1 Information regarding the revision of the safety data sheet: none.

Full text of the abbreviations in the safety data sheet
DNEL: Derived no effect level. PNEC: Predicted no effect concentration. CMR effects: Carcinogenity, Mutagenicity and reproduction toxicity. PBT: Persistent, bioaccumulative and toxic. vPvB: very persistent and very bioaccumulative. n.d.: not defined. n.a.: not applicable
Data sources: n.d.
Relevant R-Phrases (number and full text) of Section 2 and 3:

R22 = Harmful if swallowed.
R24 = Toxic in contact with skin.
R25 = Toxic if swallowed.
R27 = Very toxic in contact with skin.
R51/53 = Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R52/53 = Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Relevant H-Phrases (number and full text) of Section 2 and 3:
H301 = Toxic if swallowed.
H303 = Harmful if swallowed
H310 = Fatal in contact with skin
H311 = Toxic in contact with skin.
H411 = Toxic to aquatic life with long lasting effects.
H412 = Harmful to aquatic life with long lasting effects.

Training instructions: n.d.
This safety data sheet had been prepared on the basis of information provided by the manufacturer/supplier and conform to the relevant regulations. The information, data and recommendations contained herein are provided in good faith, obtained from reliable sources and believed to be true and accurate as of the date issued; however, no representation is made as to the comprehensiveness of the information. The SDS shall be used only as a guide for handling the product; in the course of handling and using the product other considerations may arise or be required. Users are cautioned to determine the appropriateness and applicability of the above information to their particular circumstances and purposes and assume all risk associated with the use of this product. It is the responsibility of the user to fully comply with local, national and international regulations concerning the use of this product