

Date of Issue: 14.01.2020	Version No.: 2	Revision No.: 1
---------------------------	----------------	-----------------

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

1.1 Product Identifier

Product Name:	Heisenberg 20mg - Nicotine Salts (50/50)
Product Code (SDS No.):	V20951

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

Use:	E-Liquid for use in Electronic Cigarettes.
Uses advised against:	Any use other than recommended use.

1.3 Details of the supplier of the Safety Data Sheet:

Name of Supplier:	Flavour Warehouse LTD
Address:	Global Way, Darwen, Lancashire, BB3 ORW
Tel:	+44 1254 460124
E-mail:	tpd@vampirevape.co.uk

1.4 Emergency telephone number

Emergency Phone No.	+44 1254 460124
National Response Centre	National Poisons Information Service (Birmingham Centre)
Address	City Hospital, Dudley Road, Birmingham, United Kingdom,
Emergency Phone No.	+00 448 706 006 266 NHS Direct – 0845 4647 or 111

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Regulation (EC) No. 1272/2008 (CLP)	Acute Tox. 3: Toxic if swallowed.
-------------------------------------	-----------------------------------

2.2 Label elements – According to Regulation (EC) No. 1272/2008 (CLP)

Hazard Pictograms(s)	 GHS06
Signal Word(s)	Danger
Hazard Statement(s)	H301: Toxic if swallowed
Precautionary Statement(s)	P264: Wash contacted areas thoroughly after handling. P270: Do not eat, drink or smoke when using this product. P301+P312: IF SWALLOWED: Immediately call a POISON CENTER/doctor/physician if you feel unwell. P330 in combination with P301: Rinse Mouth P405: Store locked up P501: Dispose of contents/container in accordance with local/regional/national regulations.

2.3 Other hazards

	None Known.
--	-------------

2.4 Additional Information

	For full text of H/P Statements see section 16.
--	---

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS



CALUMETTE

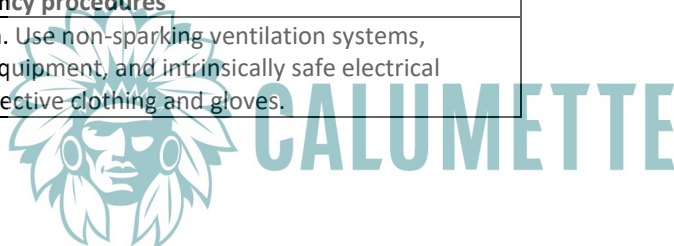
Date of Issue: 14.01.2020	Version No.: 2	Revision No.: 1
---------------------------	----------------	-----------------

3.1 Substances					
Not applicable.					
3.2 Mixtures					
HAZARDOUS INGREDIENT(S)	CAS No.	EC No. REACH Reg. No.	%W/W	HAZARD STATEMENT(S)	HAZARD PICTOGRAM(S)
Propane-1,2-diol	57-55-6	200-338-0	<50	Not Classified	N/A
Propanoic acid, 2-hydroxy-, compd. with 3-[(2S)-1-methyl-2-pyrrolidinyl]pyridine	15197-02-1	N/a	2.0% (w/v)	Acute Tox. 2 H300 Acute Tox 2 H310 Aquatic Chronic 2 H411	GHS06 GHS09

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).
Ingestion	DO NOT induce vomiting. Never give anything to an unconscious person. Rinse mouth with water. Get medical advice/attention should symptoms appear.
Skin Contact	Immediately flush skin with plenty of soap and water whilst removing contaminated clothing. Seek medical attention if irritation persists.
Eye Contact	Immediately flush eyes (holding eyelids apart) with plenty of water for at least 15 minutes. Seek medical attention if irritation persists.
Inhalation	Remove from exposure site to fresh air and keep at rest. If breathing has stopped give artificial respiration. Observe for possible delayed reaction. Get medical advice/attention if concerned.
4.2 Most important symptoms and effects, both acute and delayed	
No information available. Treat symptomatically.	
4.3 Indication of any immediate medical attention and special treatment needed	
Symptoms may not appear immediately. In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).	

SECTION 5: FIREFIGHTING MEASURES	
5.1 Extinguishing media	
Suitable Extinguishing media	Carbon dioxide, Alcohol foam, dry chemical or water spray/mist.
Unsuitable extinguishing media	None
5.2 Special hazards arising from the substance or mixture	
During a fire, irritating and toxic gases may be generated by thermal decomposition or combustion.	
5.3 Advice for firefighters	
Wear full protective clothing and self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent).	

SECTION 6: ACCIDENTAL RELEASE MEASURES	
6.1 Personal precautions, protective equipment and emergency procedures	
Ensure adequate ventilation. Use non-sparking ventilation systems, approved explosion-proof equipment, and intrinsically safe electrical systems. Wear suitable protective clothing and gloves.	

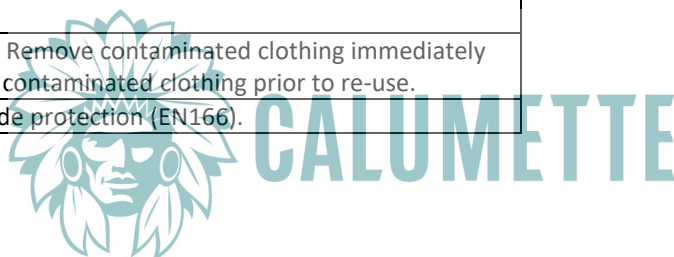


Date of Issue: 14.01.2020	Version No.: 2	Revision No.: 1
---------------------------	----------------	-----------------

6.2 Environmental precautions	
	Do not allow to enter drains, sewers or watercourses.
6.3 Methods and material for containment and cleaning up	
	Adsorb spillages onto sand, earth or any suitable adsorbent material. Use vacuum equipment for collecting spilt materials, where practicable. Containers must not be punctured or destroyed by burning, even when empty. Clean contaminated objects and areas thoroughly observing environmental regulations.
6.4 Reference to other sections	
	See Also Section 8, 13.

SECTION 7: HANDLING AND STORAGE	
7.1 Precautions for safe handling	
	Wear proper protective equipment and avoid contact with skin, eyes, or clothing. Obtain special instructions before use. Avoid inhalation and ingestion. Avoid inhalation of vapour or mist. When using this product do not eat, drink or smoke. Wash hands thoroughly after handling this material. Follow all applicable local regulations for handling and storage.
7.2 Conditions for safe storage, including any incompatibilities	
	Store in a well-ventilated place. Keep cool. Protect against UV radiation/sunlight, heat and moisture.
Storage temperature	Ambient.
Storage life	Stable under normal conditions.
Incompatible materials	None known.
7.3 Specific end use(s)	
	Section 1.2

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION						
8.1 Control parameters						
8.1.1 Occupational Exposure Limits						
SUBSTANCE	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m³)	STEL (ppm)	STEL (mg/m³)	Note
Propane-1,2-diol total vapour and particulates	57-55-6	150	474			
Propane-1,2-diol particulates	57-55-6		10			
Propane-1,2-diol total vapour and particulates	57-55-6	150	474			Comp.
Nicotine	54-11-5	-	0.5	-	1.5	Sk
REGION		SOURCE				
EU		EU Occupational Exposure Limits				
UNITED KINGDOM		Workplace Exposure Limits (WEL)				
Remark		Notes				
IOELV		Indicative Occupational Exposure Limit Value				
8.2 Exposure Controls						
8.2.1 Appropriate engineering controls		Use non-sparking ventilation systems, approved explosion-proof equipment, and intrinsically safe electrical systems. Ensure adequate ventilation.				
8.2.2 Personal protection equipment						
Protective Hygiene Measures		Always close tightly are use. Remove contaminated clothing immediately and dispose of safely. Wash contaminated clothing prior to re-use.				
Eye Protection		Wear eye protection with side protection (EN166).				



Date of Issue: 14.01.2020	Version No.: 2	Revision No.: 1
---------------------------	----------------	-----------------

Skin Protection	Wear suitable gloves if prolonged skin contact is likely. (EN374)
Respiratory Protection	Handling of larger amounts a suitable mask with filter type A (EN14387 or EN405) may be appropriate.
Thermal Hazards	None known.
8.2.3 Environmental Exposure Controls	Do not allow to enter drains, sewers or watercourses.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

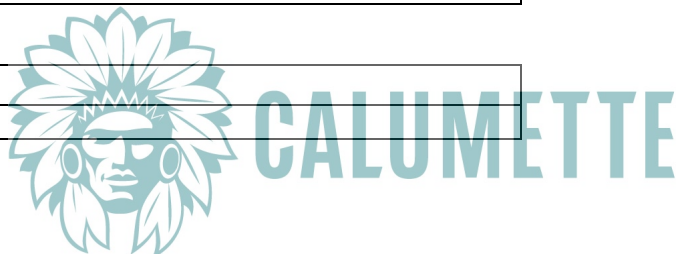
Appearance	Liquid
Colour	Blue
Odour	Characteristic
Odour threshold	Not known.
pH	Not known.
Melting point/freezing point	Not known.
Initial boiling point and boiling range	Not known.
Flash Point	Not known.
Evaporation rate	Not known.
Flammability (solid, gas)	Not known.
Upper/lower flammability or explosive limits	Not known.
Vapour pressure	Not known.
Vapour density	Not known.
Density (g/ml)	Not known.
Relative density	Not known.
Solubility(ies)	Solubility (Water): Not known. Solubility (other): Not known.
Partition coefficient: n-octanol/water	Not known.
Auto-ignition temperature	Not known.
Decomposition Temperature (°C)	Not known.
Viscosity	Not known.
Explosive properties	Not known.
Oxidising properties	Not known.
9.2 Other Information	
	None.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	None anticipated.
10.2 Chemical Stability	Stable under normal conditions.
10.3 Possibility of hazardous reactions	No hazardous reactions known is used for its intended purpose
10.4 Conditions to avoid	Avoid friction, sparks, or other means of ignition.
10.5 Incompatible materials	Not known.
10.6 Hazardous decomposition products	May include, and are not limited to, oxides of carbon.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects



Date of Issue: 14.01.2020	Version No.: 2	Revision No.: 1
---------------------------	----------------	-----------------

Acute toxicity – Ingestion	Calculation method: Acute Tox. 3, H301
Acute toxicity – Skin Contact	Not classified.
Acute toxicity – Inhalation	Not classified.
Skin corrosion/irritation	Not classified.
Serious eye damage/irritation	Not classified.
Skin sensitization data	Not classified.
Respiratory sensitization data	Not classified.
Germ cell mutagenicity	Not classified.
Carcinogenicity	Not classified.
Reproductive toxicity	Not classified.
Lactation	Not classified.
STOT – single exposure	Not classified.
STOT – repeated exposure	Not classified.
Aspiration hazard	Not classified.
11.2 Other information	
	Not known.

SECTION 12: ECOLOGICAL INFORMATION**12.1 Toxicity**

RAINBOW TROUT (<i>Oncorhynchus mykiss</i>)	96H LC50	4	mg/L
WATER FLEA (<i>Daphnia magna</i>)	48H EC50	0.24	mg/L

12.2 Persistence and Degradation

	Not known.
--	------------

12.3 Bio accumulative potential

	Not known.
--	------------

12.4 Mobility in soil

	Not known.
--	------------

12.5 Results of PBT and vPvB assessment

	Not known.
--	------------

12.6 Other adverse effects

	Not known.
--	------------

SECTION 13: DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods**

	Dispose of contents in accordance with local, state or national legislation. Recycle only completely emptied packaging. This combustible material may be burned in a chemical incinerator equipped with afterburner and scrubber. Do not allow to enter drains, sewers or watercourses. Do NOT landfill. Normal disposal is via incineration operated by an accredited disposal contractor.
--	---

13.2 Additional Information

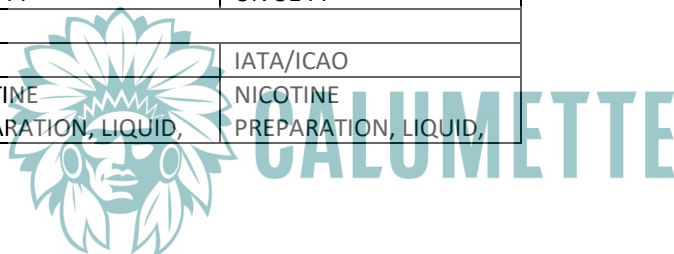
	Disposal should be in accordance with local, state or national legislation.
--	---

SECTION 14: TRANSPORT INFORMATION**14.1 UN Number**

	ADR/RID	IMDG	IATA/ICAO
UN Number:	UN 3144	UN 3144	UN 3144

14.2 UN Proper Shipping Name

	ADR/RID	IMDG	IATA/ICAO
UN Proper Shipping Name:	NICOTINE PREPARATION, LIQUID,	NICOTINE PREPARATION, LIQUID,	NICOTINE PREPARATION, LIQUID,



Date of Issue: 14.01.2020	Version No.: 2	Revision No.: 1
---------------------------	----------------	-----------------

	N.O.S. (3-(N-methyl-2-pyrrolidinyl)pyridine, nicotine (ISO))	N.O.S. (3-(N-methyl-2-pyrrolidinyl)pyridine, nicotine (ISO))	N.O.S. (3-(N-methyl-2-pyrrolidinyl)pyridine, nicotine (ISO))
14.3 Transport Hazard Class(es)			
	ADR/RID	IMDG	IATA/ICAO
Transport Class	6.1	6.1	6.1
14.4 Packing Group			
	ADR/RID	IMDG	IATA/ICAO
Packing Group:	III	III	III
14.5 Environment Hazards			
	ADR/RID	IMDG	IATA/ICAO
Environmental Hazards:	Unknown	Unknown	Unknown
14.6 Special Precautions For User			
See Section 2			
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code			
	ADR/RID	IMDG	IATA/ICAO
Transport In Bulk:	Unknown	Unknown	Unknown
SECTION 15: REGULATORY INFORMATION			
15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture			
Specific Regulations	This product contains nicotine which is a highly addictive substance as stated in the Tobacco Products Directive (2014/40/EU).		
15.2 Chemical Safety Assessment			
	A REACH chemical safety assessment has not been carried out.		

SECTION 16: OTHER INFORMATION	
The following sections contain revisions or new statements:	
LEGEND	
Hazard Pictogram(s)	GHS06 GHS09 (Aquatic)
Hazard classification	Acute Tox. 3: Toxic if swallowed.
Hazard Statement(s)	H301: Toxic if swallowed H300: Fatal if swallowed H310: Fatal in contact with skin. H411: Toxic to aquatic life with long lasting effects.
Precautionary Statement(s)	P264: Wash contacted areas thoroughly after handling. P270: Do not eat, drink or smoke when using this product. P301+P312: IF SWALLOWED: Immediately call a POISON CENTER/doctor/physician if you feel unwell. P330 in combination with P301: Rinse Mouth P405: Store locked up P501: Dispose of contents/container in accordance with local/regional/national regulations
Acronyms	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 CAS: Chemical Abstracts Service CLP: Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures DNEL: Derived No Effect Level EC: European Community EINECS: European Inventory of Existing Commercial Chemical Substances IATA: International Air Transport Association



CALUMETTE

Date of Issue: 14.01.2020	Version No.: 2	Revision No.: 1
	IBC: Intermediate Bulk Container ICAO: International Civil Aviation Organization IMDG: International Maritime Dangerous Goods LTEL: Long term exposure limit PBT: Persistent, Bioaccumulative and Toxic PNEC: Predicted No Effect Concentration REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals RID: Regulations concerning the International Carriage of Dangerous Goods by Rail STEL: Short term exposure limit STOT: Specific Target Organ Toxicity UN: United Nations vPvB: very Persistent and very Bioaccumulative	
Disclaimers	Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose. Flavour Warehouse LTD gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that exclusion is prevented by law. Flavour Warehouse LTD accepts no liability for loss or damage (other than that arising from death or personal injury caused by defective product, if proved), resulting from reliance on this information. Freedom under Patents, Copyright and Designs cannot be assumed.	

