

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

### 1.1. Product identifier

**Trade name** : Etna Flow Shake n' Vape  
**Formula Code** : ETNA-SV00  
**UFI** : NQR0-G03J-300Y-82HG  
**Brand** : Halo  
**Container Size(s)** : 50ml  
**Product Form** : Mixture

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

#### 1.2.1. Relevant identified uses

##### Intended for general public

Use of the substance/mixture : Flavoring for Electronic Cigarette Liquid (Intended for further processing)

#### 1.2.2. Uses advised against

No additional information available

### 1.3. Details of the supplier of the safety data sheet

#### Manufacturer:

Pure Laboratories, LLC  
DBA Nicopure Labs  
5909 NW 18th Drive  
Gainesville, FL 32653  
United States of America  
Phone: (888) 270-2449  
E-mail: [compliance@purelabs.com](mailto:compliance@purelabs.com)

#### EU Distributor:

Syndicate Distribution B.V.  
Maroestraat 14  
1060LG Amsterdam  
Netherlands  
Phone: 00800 50508080

#### EU Only Representative:

Intertek France  
ZI Ecoparc II  
27400 Heudebouville  
France  
Phone: +33 (0)3 85 99 12 70

### 1.4. Emergency telephone number

#### North America

**USA** : (800) 424 9300      **Canada** : (800) 424 9300

#### Europe

<b>Austria</b> : +43 1 406 43 43	<b>Germany</b> : 030/19240	<b>Poland</b> : 112
<b>Belgium</b> : 070 245 245	<b>Greece</b> : (0030)2107793777	<b>Portugal</b> : 808250143
<b>Bulgaria</b> : +359 2 9154 233	<b>Hungary</b> : (+36-80) 201-199	<b>Romania</b> : 112
<b>Croatia</b> : +358 1 23 48 342	<b>Iceland</b> : 543 2222	<b>Slovenia</b> : 112
<b>Cyprus</b> : +357 22405611 / 609	<b>Ireland</b> : +353 (01) 809 2166	<b>Spain</b> : +34 91 562 04 20
<b>Czech Rep.</b> : +420 224 919 293	<b>Italy</b> : 118	<b>Sweden</b> : 112
<b>Denmark</b> : 82121212	<b>Latvia</b> : 112	<b>UK: (England)</b> : 0845 46 46
<b>Estonia</b> : 16662	<b>Liechtenstein</b> : +423 236 64 00	<b>UK: (Scotland)</b> : 08454 24 24 24
<b>Finland</b> : 09 471977	<b>Lithuania</b> : +370 5 236 20 52	
<b>France</b> : +33 (0)1 45 42 59 59	<b>Luxembourg</b> : 070245 245	

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification

Not classified

#### Adverse physicochemical, human health and environmental effects

No additional information available

### 2.2. Label elements

#### Labelling

Not applicable

### 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substance

Not applicable

### 3.2. Mixture

Not applicable

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	:	Allow victim to breathe fresh air. Allow the victim to rest. In all cases of doubt, or if victim feels unwell seek medical attention.
First-aid measures after skin contact	:	Wash with soap and water. If skin irritation is experienced, consult a doctor
First-aid measures after eye contact	:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

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

Symptoms/injuries after skin contact	:	Not expected to present a significant hazard under anticipated conditions of normal use.
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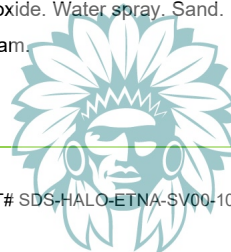
### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	:	Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media	:	Do not use a heavy water stream.



## 5.2. Special hazards arising from the substance or mixture

No additional information available

## 5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

# SECTION 6: Accidental release measures

## 6.1. Personal precautions, protective equipment and emergency procedures

### 6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

### 6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

## 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

## 6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

## 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

# SECTION 7: Handling and storage

## 7.1. Precautions for safe handling

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin.
- Hygiene measures : Use good personal hygiene practices. Wash hands thoroughly after handling.

## 7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of reach of children. Store locked up.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

## 7.3. Specific end use(s)

No additional information available

# SECTION 8: Exposure controls/personal protection

## 8.1. Control parameters

glycerol (56-81-5)		
Ireland	OEL (8 hours ref) (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (mist)
Ireland	OEL (15 min ref) (mg/m <sup>3</sup> )	30 mg/m <sup>3</sup> (calculated-mist)
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (mist)
United Kingdom	WEL STEL (mg/m <sup>3</sup> )	30 mg/m <sup>3</sup> (calculated-mist)

propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m <sup>3</sup> )	470 mg/m <sup>3</sup> (total vapour and particulates) 10 mg/m <sup>3</sup> (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m <sup>3</sup> )	1410 mg/m <sup>3</sup> (calculated-total vapour and particulates) 30 mg/m <sup>3</sup> (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	474 mg/m <sup>3</sup> (total particulates and vapour) 10 mg/m <sup>3</sup> (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m <sup>3</sup> )	30 mg/m <sup>3</sup>
United Kingdom	WEL STEL (ppm)	450 ppm

## 8.2. Exposure controls

- Appropriate engineering controls : Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
- Personal protective equipment : Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.



- Hand protection : Wear protective gloves.
- Eye protection : Chemical goggles or safety glasses.
- Skin and body protection : Wear suitable protective clothing.
- Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.
- Consumer exposure controls : Wash hands after use.

## SECTION 9: Physical and chemical properties

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

- Physical state : Liquid
- Colour : Colorless to Orange-Yellow
- Odour : Characteristic, Fruity, Sweet
- Odour threshold : No data available
- pH : No data available
- Relative evaporation rate (butyl acetate=1) : No data available
- Melting point : No data available
- Freezing point : No data available
- Boiling point : No data available
- Flash point : No data available
- Auto-ignition temperature : No data available



Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Stable under normal conditions of use.

### 10.2. Chemical stability

Stable under normal conditions of use.

### 10.3. Possibility of hazardous reactions

Not established.

### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

### 10.5. Incompatible materials

Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

## SECTION 11: Toxicological information

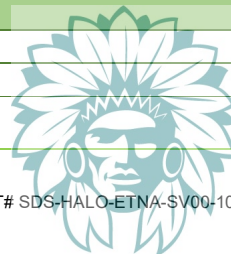
### 11.1. Information on toxicological effects

#### glycerol (56-81-5)

LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m <sup>3</sup> (Exposure time: 1 h)

#### propane-1,2-diol (57-55-6)

LD50 oral rat	20000 mg/kg
LD50 dermal rabbit	20800 mg/kg



CALUMETTE

Skin corrosion/irritation	:	Not classified Based on available data, the classification criteria are not met
Serious eye damage/irritation	:	Not classified Based on available data, the classification criteria are not met
Respiratory or skin sensitisation	:	Not classified Based on available data, the classification criteria are not met
Germ cell mutagenicity	:	Not classified Based on available data, the classification criteria are not met
Carcinogenicity	:	Not classified Based on available data, the classification criteria are not met
Reproductive toxicity	:	Not classified Based on available data, the classification criteria are not met
Specific target organ toxicity (single exposure)	:	Not classified Based on available data, the classification criteria are not met
Specific target organ toxicity (repeated exposure)	:	Not classified Based on available data, the classification criteria are not met
Aspiration hazard	:	Not classified Based on available data, the classification criteria are not met
Potential Adverse human health effects and symptoms	:	Based on available data, the classification criteria are not met.

## SECTION 12: Ecological information

### 12.1. Toxicity

<b>glycerol (56-81-5)</b>	
LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
<b>propane-1,2-diol (57-55-6)</b>	
LC50 fishes 1	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

### 12.2. Persistence and degradability

<b>Etna Flow Shake n' Vape</b>	
Persistence and degradability	Not established.

### 12.3. Bioaccumulative potential

<b>Etna Flow Shake n' Vape</b>	
Bioaccumulative potential	Not established.
<b>glycerol (56-81-5)</b>	
BCF fish 1	(no bioaccumulation)
Log Pow	-1.76
<b>propane-1,2-diol (57-55-6)</b>	
BCF fish 1	< 1

### 12.4. Mobility in soil

No additional information available

#### 12.5. Results of PBT and vPvB assessment

No additional information available

#### 12.6. Other adverse effects

Avoid release to the environment

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.  
Ecology - waste materials : Avoid release to the environment.

### SECTION 14: Transport information

In accordance with DOT / IATA / ADR / IMDG / RID

#### 14.1. UN number

UN Number (DOT) : Not Applicable  
UN Number (IATA) : Not Applicable  
UN Number (ADR) : Not Applicable  
UN Number (IMDG) : Not Applicable  
UN Number (RID) : Not Applicable

#### 14.2. UN proper shipping name

Proper Shipping Name (DOT) : Not Applicable  
Proper Shipping Name (IATA) : Not Applicable  
Proper Shipping Name (ADR) : Not Applicable  
Proper Shipping Name (IMDG) : Not Applicable  
Proper Shipping Name (RID) : Not Applicable

#### 14.3. Transport hazard class(es)

Transport hazard class(es) (DOT) : Not Applicable  
Transport hazard class(es) (IATA) : Not Applicable  
Transport hazard class(es) (ADR) : Not Applicable  
Transport hazard class(es) (IMDG) : Not Applicable  
Transport hazard class(es) (RID) : Not Applicable

#### 14.4. Packing group

Packing group (DOT) : Not Applicable  
Packing group (IATA) : Not Applicable  
Packing group (ADR) : Not Applicable  
Packing group (IMDG) : Not Applicable  
Packing group (RID) : Not Applicable

#### 14.5. Environmental hazards

Dangerous for the environment : No



Marine pollutant : No  
Other information : No supplementary information available

#### 14.6. Special precautions for user

##### 14.6.1. Overland transport

No additional information available

##### 14.6.2. Transport by sea

No additional information available

##### 14.6.3. Air transport

No additional information available

##### 14.6.4. Inland waterway transport

Not subject to ADN : No

##### 14.6.5. Rail transport

Carriage prohibited (RID) : No

#### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

### SECTION 15: Regulatory information

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

##### 15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

Other information, restriction and prohibition regulations : Compliance with following regulations: Directive 1999/45/EC as amended. Directive 67/548/EEC as amended. Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

##### 15.1.2. National Regulations

No additional information available

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

### SECTION 16: Other information

Sources of Key data : 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.

Abbreviations and acronyms : ATE - acute toxicity estimate. CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. GHS - Globally Harmonised System. PBT - Persistent, Bioaccumulative and Toxic substance. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL- Short-Term Exposure Limit . TWA- Time Weighted Average. vPvB - Very Persistent and Very Bioaccumulative.

Other information : None.

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*