

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

1.1. Product identifier

Trade name : Muffin Roll Concentrate
Formula Code : MUFN-EX00
UFI : 14S0-00JH-N00E-KSET
Brand : Halo
Container Size(s) : 30ml
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

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

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

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/m³)	10 mg/m³ (mist)
Ireland	OEL (15 min ref) (mg/m³)	30 mg/m³ (calculated-mist)
United Kingdom	WEL TWA (mg/m³)	10 mg/m³ (mist)
United Kingdom	WEL STEL (mg/m³)	30 mg/m³ (calculated-mist)

propane-1,2-diol (57-55-6)		
Ireland	OEL (8 hours ref) (mg/m³)	470 mg/m³ (total vapour and particulates) 10 mg/m³ (particulate)
Ireland	OEL (8 hours ref) (ppm)	150 ppm (total vapour and particulates)
Ireland	OEL (15 min ref) (mg/m³)	1410 mg/m³ (calculated-total vapour and particulates) 30 mg/m³ (calculated-particulate)
Ireland	OEL (15 min ref) (ppm)	450 ppm (calculated-total vapour and particulates)
United Kingdom	WEL TWA (mg/m³)	474 mg/m³ (total particulates and vapour) 10 mg/m³ (particulates)
United Kingdom	WEL TWA (ppm)	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (mg/m³)	30 mg/m³
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 : Brown to Dark Brown
- Odour : Characteristic, Pastry, Cinnamon
- 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 ³ (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

glycerol (56-81-5)	
LC50 fishes 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
propane-1,2-diol (57-55-6)	
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

Muffin Roll Concentrate	
Persistence and degradability	Not established.

12.3. Bioaccumulative potential

Muffin Roll Concentrate	
Bioaccumulative potential	Not established.
glycerol (56-81-5)	
BCF fish 1	(no bioaccumulation)
Log Pow	-1.76
propane-1,2-diol (57-55-6)	
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