

## MUFFIN MAN 3MG/ML - 1HW 5

## SAFETY DATA SHEET

(REACH regulation (EC) n° 1907/2006 - n° 2015/830)

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

## 1.1. Product identifier

Product name : MUFFIN MAN 3MG/ML

Product code : 1HW 5.

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

e-liquid for electronic cigarette

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

Registered company name : V.F.P FRANCE SAS.

Address : 1-11 rue Henri Becquerel.77290.Mitry-Mory.France.

Telephone : +33 (0)1 83 61 01 58. Fax : .

contact@nova-liquides.com

www.nova-liquides.com

## 1.4. Emergency telephone number : +33 (0)1 45 42 59 59.

Association/Organisation : INRS / ORFILA <http://www.centres-antipoison.net>.

## SECTION 2 : HAZARDS IDENTIFICATION

## 2.1. Classification of the substance or mixture

## In compliance with EC regulation No. 1272/2008 and its amendments.

May produce an allergic reaction (EUH208).

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

## 2.2. Label elements

## In compliance with EC regulation No. 1272/2008 and its amendments.

Additional labeling :

EUH208

Contains CINNAMALDEHYDE. May produce an allergic reaction.

## 2.3. Other hazards

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC)  $\geq$  0.1% published by the European Chemicals Agency (ECHA) under article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table>

The mixture satisfies neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

## SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

## 3.2. Mixtures

## Composition :

Identification	(EC) 1272/2008	Note	%
CAS: 56-81-5 EC: 200-289-5  GLYCEROL		[1]	50 $\leq$ x % < 100
CAS: 57-55-6 EC: 200-338-0 REACH: 01-2119456809-23		[1]	2.5 $\leq$ x % < 10
PROPYLENE GLYCOL INDEX: 614-001-00-4 CAS: 54-11-5 EC: 200-193-3	GHS06, GHS09 Dgr Acute Tox. 1, H310 Acute Tox. 3, H301 Aquatic Chronic 2, H411	[1]	0 $\leq$ x % < 1
NICOTINE (ISO) INDEX: 607-130-00-2 CAS: 624-41-9 EC: 210-843-8	GHS02 Wng Flam. Liq. 3, H226 EUH:066	C [1]	0 $\leq$ x % < 1
2-METHYLBUTYL ACETAT			

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CAS: 104-55-2 EC: 203-213-9  CINNAMALDEHYDE	GHS07 Wng Acute Tox. 4, H312 Eye Irrit. 2, H319 Skin Irrit. 2, H315 Skin Sens. 1A, H317		0 <= x % < 1
INDEX: 603-108-00-1 CAS: 78-83-1 EC: 201-148-0  2-METHYLPROPAN-1-OL	GHS02, GHS05, GHS07 Dgr Flam. Liq. 3, H226 STOT SE 3, H335 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H336	[1]	0 <= x % < 1
CAS: 590-86-3 EC: 209-691-5  3-METHYLBUTYRALDEHYDE	GHS02, GHS07 Dgr Eye Irrit. 2, H319 Flam. Liq. 2, H225 Skin Sens. 1, H317 STOT SE 3, H335	[1]	0 <= x % < 1
INDEX: 607-022-00-5 CAS: 141-78-6 EC: 205-500-4  ETHYL ACETATE	GHS02, GHS07 Dgr Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 EUH:066	[1]	0 <= x % < 1
INDEX: 607-025-00-1 CAS: 123-86-4 EC: 204-658-1  N-BUTYL ACETATE	GHS02, GHS07 Wng Flam. Liq. 3, H226 STOT SE 3, H336 EUH:066	[1]	0 <= x % < 1
INDEX: 607-002-00-6 CAS: 64-19-7 EC: 200-580-7  ACETIC ACID	GHS02, GHS05 Dgr Flam. Liq. 3, H226 Skin Corr. 1A, H314	B [1]	0 <= x % < 1
CAS: 140-11-4 EC: 205-399-7  BENZYL ACETATE	Aquatic Chronic 3, H412	[1]	0 <= x % < 1
INDEX: 603-059-00-6 CAS: 111-27-3 EC: 203-852-3  HEXAN-1-OL	GHS07 Wng Acute Tox. 4, H302	[1]	0 <= x % < 1
CAS: 98-01-1 EC: 202-627-7  FURFURAL	GHS06, GHS08, GHS07 Dgr Acute Tox. 4, H312 Acute Tox. 2, H330 Acute Tox. 3, H301 Carc. 2, H351 Eye Irrit. 2, H319 Skin Irrit. 2, H315 STOT SE 3, H335	[1] [2]	0 <= x % < 1
CAS: 80-56-8 EC: 201-291-9  ALPHA-PINENE	GHS08, GHS02, GHS07, GHS09 Dgr Asp. Tox. 1, H304 Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Acute 1, H400 M Acute = 1 Aquatic Chronic 1, H410 M Chronic = 1	[1]	0 <= x % < 1
CAS: 127-91-3 EC: 204-872-5  BETA-PINENE	GHS08, GHS02, GHS07, GHS09 Dgr Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Acute 1, H400 M Acute = 1 Aquatic Chronic 1, H410 M Chronic = 1	[1]	0 <= x % < 1

## Information on ingredients :

- [1] Substance for which maximum workplace exposure limits are available.  
[2] Carcinogenic, mutagenic or reprotoxic (CMR) substance.

## SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.  
NEVER induce swallowing by an unconscious person.

### 4.1. Description of first aid measures

#### In the event of exposure by inhalation :

In the event of an allergic reaction, seek medical attention.

#### In the event of splashes or contact with skin :

In the event of an allergic reaction, seek medical attention.

#### In the event of swallowing :

Seek medical attention, showing the label.

### 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

No data available.

## SECTION 5 : FIREFIGHTING MEASURES

Non-flammable.

### 5.1. Extinguishing media

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

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed :

- carbon monoxide (CO)
- carbon dioxide (CO<sub>2</sub>)

### 5.3. Advice for firefighters

No data available.

## SECTION 6 : ACCIDENTAL RELEASE MEASURES

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

Consult the safety measures listed under headings 7 and 8.

#### For first aid worker

First aid workers will be equipped with suitable personal protective equipment (See section 8).

### 6.2. Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

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

Clean preferably with a detergent, do not use solvents.

### 6.4. Reference to other sections

No data available.

## SECTION 7 : HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

### 7.1. Precautions for safe handling

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.

#### Fire prevention :

Prevent access by unauthorised personnel.

#### Recommended equipment and procedures :

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

#### Prohibited equipment and procedures :

No smoking, eating or drinking in areas where the mixture is used.

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

No data available.

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**Storage**

Keep out of reach of children.

**Packaging**

Always keep in packaging made of an identical material to the original.

**7.3. Specific end use(s)**

No data available.

**SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1. Control parameters****Occupational exposure limits :**

- European Union (2009/161/EU, 2006/15/EC, 2000/39/EC, 98/24/EC)

CAS	VME-mg/m3 :	VME-ppm :	VLE-mg/m3 :	VLE-ppm :	Notes :
54-11-5	0.5	-	-	-	Peau

- ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
56-81-5	10 mg/m3	-	-	-	-
54-11-5	0.5 mg/m3	-	-	-	-
624-41-9	50 ppm	100 ppm	-	-	-
78-83-1	50 ppm	-	-	-	-
141-78-6	400 ppm	-	-	-	-
123-86-4	150 ppm	200 ppm	-	-	-
64-19-7	10 ppm	15 ppm	-	-	-
140-11-4	10 ppm	-	-	-	-
98-01-1	2 ppm	-	-	-	-
80-56-8	20 ppm	-	-	-	-
127-91-3	20 ppm	-	-	-	-

- Germany - AGW (BAuA - TRGS 900, 21/06/2010) :

CAS	VME :	VME :	Excess	Notes
624-41-9	50 ml/m3	270 mg/m3	1(l)	DFG, Y
78-83-1	100 ml/m3	310 mg/m3	1(l)	DFG, Y
590-86-3	10 ml/m3	39 mg/m3	1(l)	AGS
141-78-6	400 ml/m3	1500 mg/m3	2(l)	DFG, Y
111-27-3	50 ml/m3	210 mg/m3	1(l)	AGS

- France (INRS - ED984 :2012) :

CAS	VME-ppm :	VME-mg/m3 :	VLE-ppm :	VLE-mg/m3 :	Notes :	TMP No :
56-81-5	-	10	-	-	-	-
54-11-5	-	0.5	-	-	-	-
78-83-1	50	150	-	-	-	84
141-78-6	400	1400	-	-	-	84
123-86-4	150	710	200	940	-	84
64-19-7	-	-	10	25	-	-
98-01-1	-	-	2	8	C3	74.84

- UK / WEL (Workplace exposure limits, EH40/2005, 2007) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
56-81-5	10 mg/m3	-	-	-	-
57-55-6	150 ppm	-	-	-	-
54-11-5	0.5 mg/m3	1.5 mg/m3	-	-	-
78-83-1	50 ppm	75 ppm	-	-	-
141-78-6	200 ppm	400 ppm	-	-	-
123-86-4	150 ppm	200 ppm	-	-	-
98-01-1	2 ppm	5 ppm	-	-	-

**8.2. Exposure controls****Personal protection measures, such as personal protective equipment**

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE) :



Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

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**- Eye / face protection**

Avoid contact with eyes.  
Use eye protectors designed to protect against liquid splashes  
Before handling, wear safety goggles in accordance with standard EN166.

**- Hand protection**

Wear suitable protective gloves in the event of prolonged or repeated skin contact.  
Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.  
Gloves must be selected according to the application and duration of use at the workstation.  
Protective gloves need to be selected according to their suitability for the workstation in question : other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.  
Recommended properties :  
- Impervious gloves in accordance with standard EN374

**- Body protection**

Work clothing worn by personnel shall be laundered regularly.  
After contact with the product, all parts of the body that have been soiled must be washed.

**SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES****9.1. Information on basic physical and chemical properties****General information :**

Physical state : Fluid liquid.

**Important health, safety and environmental information**

pH : Not relevant.  
Boiling point/boiling range : Not relevant.  
Flash Point Interval : PE > 100°C.  
Vapour pressure (50°C) : Below 110 kPa (1.10 bar).  
Density : = 1  
Water solubility : Insoluble.  
Melting point/melting range : Not relevant.  
Self-ignition temperature : Not relevant.  
Decomposition point/decomposition range : Not relevant.

**9.2. Other information**

No data available.

**SECTION 10 : STABILITY AND REACTIVITY****10.1. Reactivity**

No data available.

**10.2. Chemical stability**

This mixture is stable under the recommended handling and storage conditions in section 7.

**10.3. Possibility of hazardous reactions**

No data available.

**10.4. Conditions to avoid****10.5. Incompatible materials****10.6. Hazardous decomposition products**

The thermal decomposition may release/form :

- carbon monoxide (CO)
- carbon dioxide (CO<sub>2</sub>)

**SECTION 11 : TOXICOLOGICAL INFORMATION****11.1. Information on toxicological effects**

No data available.

**11.1.1. Substances****Acute toxicity :**

FURFURAL (CAS: 98-01-1)  
Inhalation route (Vapours) : LC50 = 1 mg/l

ALPHA-PINENE (CAS: 80-56-8)  
Oral route : LD50 = 3500 mg/kg

BENZYL ACETATE (CAS: 140-11-4)

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Oral route : LD50 = 2490 mg/kg

3-METHYLBUTYRALDEHYDE (CAS: 590-86-3)  
Oral route : LD50 = 2730 mg/kg

CINNAMALDEHYDE (CAS: 104-55-2)  
Oral route : LD50 = 2500 mg/kg

**11.1.2. Mixture**

**Respiratory or skin sensitisation :**

Contains at least one sensitising substance. May cause an allergic reaction.

**SECTION 12 : ECOLOGICAL INFORMATION**

**12.1. Toxicity**

**12.1.2. Mixtures**

No aquatic toxicity data available for the mixture.

**12.2. Persistence and degradability**

No data available.

**12.3. Bioaccumulative potential**

No data available.

**12.4. Mobility in soil**

No data available.

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

No data available.

**12.6. Other adverse effects**

No data available.

**SECTION 13 : DISPOSAL CONSIDERATIONS**

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

**13.1. Waste treatment methods**

Do not pour into drains or waterways.

**Waste :**

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

**Soiled packaging :**

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

**SECTION 14 : TRANSPORT INFORMATION**

Exempt from transport classification and labelling.

**14.1. UN number**

-

**14.2. UN proper shipping name**

-

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

-

**14.4. Packing group**

-

**14.5. Environmental hazards**

-

**14.6. Special precautions for user**

-

## SECTION 15 : REGULATORY INFORMATION

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

#### - Classification and labelling information included in section 2:

The following regulations have been used:

- EU Regulation No. 1272/2008 amended by EU Regulation No. 487/2013.
- EU Regulation No. 1272/2008 amended by EU Regulation No. 758/2013.
- EU Regulation No. 1272/2008 amended by EU Regulation No. 944/2013.
- EU Regulation No. 1272/2008 amended by EU Regulation No. 605/2014.
- EU Regulation No. 1272/2008 amended by EU Regulation No. 1297/2014.

#### - Container information:

The mixture is contained in packaging that does not exceed 125 ml.

#### - Particular provisions :

No data available.

### 15.2. Chemical safety assessment

No data available.

## SECTION 16 : OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

### Wording of the phrases mentioned in section 3 :

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H310	Fatal in contact with skin.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer .
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.
H412	Harmful to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.

### Abbreviations :

CMR: Carcinogenic, mutagenic or reprotoxic.

ADR : European agreement concerning the international carriage of dangerous goods by Road.

IMDG : International Maritime Dangerous Goods.

IATA : International Air Transport Association.

ICAO : International Civil Aviation Organisation

RID : Regulations concerning the International carriage of Dangerous goods by rail.

WGK : Wassergefährdungsklasse (Water Hazard Class).

PBT: Persistent, bioaccumulable and toxic.

vPvB : Very persistent, very bioaccumulable.

SVHC : Substances of very high concern.